



# 2014 RBWH Research Report



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**Design and typesetting**

Clinical Multimedia  
Level 8, Block 8  
Royal Brisbane and Women's Hospital  
Butterfield St, Herston, Qld 4029

**Phone:** +61 7 3646 8111  
**Web:** [www.health.qld.gov.au/rbwh](http://www.health.qld.gov.au/rbwh)

**Editors**

Prof. Lawrie Powell AC  
Assoc. Prof. Janet Davies

**Photography**

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RBWH Communications and Engagement  
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CPX Printing & Logistics  
Unit 4, 81 Bishop Street  
Kelvin Grove Q. 4059  
Ph: 07 3221 1221  
Email: [sales@cpx.com.au](mailto:sales@cpx.com.au)

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## Allied Health Professions

Overview and executive and directing staff	
Department of Nutrition and Dietetics	
Department of Occupational Therapy	
Department of Physiotherapy	
Department of Rehabilitation Engineering	
Department of Social Work and Psychology	
Department of Speech Pathology and Audiology	

## Cancer Care Services

Overview and executive and directing staff	
Haematology and Bone Marrow Transplant	
Department of Medical Oncology	
Department of Radiation Oncology	
Queensland Haemophilia Centre	
Nursing (Cancer Care Services)	

## Critical Care and Clinical Support Services

Overview and executive and directing staff	
Department of Emergency Medicine	
Department of Intensive Care Medicine	
Department of Hyperbaric Medicine Service	
Department of Medical Imaging	
Professor Tess Cramond Multidisciplinary Pain Centre	

## Internal Medicine Services

Overview and executive and directing staff	
Department of Cardiology	
Department of Clinical Immunology and Allergy	
Department of Clinical Pharmacology	
Department of Endocrinology	
Department of Gastroenterology and Hepatology	
Genetic Health	
Infectious Diseases Unit	
Department of Internal Medicine and Aged Care	
Department of Neurology	
Department of Nuclear Medicine / Specialised PET Service	
Palliative Care Service	
Department of Pharmacy	
Department of Renal Medicine	
Department of Rheumatology	
Department of Thoracic Medicine	

## Medical Services

Overview and executive and directing staff	
Centre for Palliative Care Research and Education	
Safety and Quality Unit	

## Metro North Mental Health

Overview and executive and directing staff	
Metro North Mental Health Services	

## Nursing and Midwifery

Overview and executive and directing staff	
Nursing Services	

## Surgical and Perioperative Services

Overview and executive and directing staff	
Department of Anaesthetics and Perioperative Medicine	
Department of Ear Nose and Throat Surgery	
Department of General Surgery	
Kenneth G. Jamieson Department of Neurosurgery	
Department of Ophthalmology	
Department of Oral and Maxillofacial Surgery	
Department of Orthopaedic Surgery	
Department of Plastic and Reconstructive Surgery	
Professor Stuart Pegg Adult Burns Centre	
Trauma Service	
Department of Urology	
Department of Vascular Surgery	

## Women's and Newborn Services

Overview and executive and directing staff	
Grantley Stable Neonatal Unit	
Department of Gynaecology	
Department of Maternity Services	
Perinatal Research Centre	
Queensland Centre for Gynaecological Cancer	

## Centre for the Advancement of Clinical Research

## Publications

## Donation Form



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# Executive Director's report

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**Dr Amanda Dines**  
Executive Director  
Royal Brisbane and Women's  
Hospital

At Royal Brisbane and Women's Hospital (RBWH) we are united in our focus on patient care. Our hospital plays an important role in the delivery of healthcare in Queensland and it is the knowledge gained through our commitment to research that enables us to provide excellent patient care.

We are proud of the multidisciplinary research undertaken at RBWH with medical, nursing and allied health clinicians all contributing to an expansive body of work. In 2014, research by clinicians from over 42 RBWH departments was published in 728 articles in peer review journals and 44 book chapters.

Last year alone more than \$62 million in grant funding was awarded to RBWH clinicians to support clinical research activities on this campus. In the highly competitive research grant application process, this is an excellent reflection of the capability and expertise at our hospital.

Our research outcomes and achievements have been highlighted nationally and internationally with 748 presentations made at conferences and symposia around the world. Research undertaken at the hospital was also showcased at the 23rd RBWH Healthcare Symposium; this annual event was established to provide our researchers an opportunity to share their knowledge and learn from others.

RBWH is among the largest research campuses in Australia. Our shared commitment and strong partnerships with other Metro North Hospital and Health Service providers, Queensland Institute of Medical Research Berghofer (QIMR Berghofer), The University of Queensland (UQ) and Queensland University of Technology (QUT) shape the Herston campus as a centre of excellence for research. The strategic alliance of our partners in developing the Herston Imaging Research Facility (HIRF) places Queensland at the forefront of human imaging for clinical and scientific research.

This strong research culture enables continuous service improvement and the delivery of evidence-based care leading to significant improvements in the quality of our health services.

I thank all staff who contributed to our research success in 2014 and acknowledge the RBWH Director of Research, Professor Lawrie Powell AC, and his team for the leadership role they have played in this achievement.

I would also like to thank the people who lead our research partnerships, in particular, Professor Frank Gannon, Director, QIMR Berghofer; Professor Nicholas Fisk, Executive Dean, Faculty of Medicine + Biomedical Sciences, UQ; Professor Ross Young, Executive Dean, Faculty of Health, QUT; Professor Leonie Callaway, Head of the Royal Brisbane Clinical School; and RBWH Foundation CEO, Peter Treseder AM and his team.

As our best and brightest researchers continue to engage in work that will benefit patient care as well as globally improve human health, I look forward to another year of research innovation at RBWH.

**Dr Amanda Dines**  
Executive Director  
Royal Brisbane and Women's Hospital

# Research Director's report



**Prof. Lawrie Powell AC**  
Director  
Research

In 2014 RBWH consolidated its impressive clinical research activity and impact across the Herston campus (see page 5). This year we asked heads of Departments to highlight their research achievements and importantly, to report how the research outcomes are being implemented to improve and benefit patient care at RBWH.

The value RBWH places on research collaboration is evident by the breath of partnerships between the various institutions on the campus— The University of Queensland (UQ) Faculties of Medical and Biomedical Sciences and Health and Behavioural Sciences; the Health Sciences building; The UQ Centre for Clinical Research (UQCCR); Queensland Institute of Medical Research Berghofer (QIMR Berghofer); and Queensland University of Technology (QUT). Notably the partnerships include the Herston Imaging Research Facility (HIRF), the Australian Centre for Health Services Innovation (AusHSI), the Centre for Palliative Care Research and Education (CPCRE) and the QIMR Berghofer/RBWH Clinical Research Award Programme.

RBWH is the largest health care centre in the state. Complementing its clinical service is the continued commitment to clinical research at RBWH which would not be possible without the strong support of the RBWH Private Practice Trust Fund (PPTF) and RBWH Foundation, which together allocated \$2.17 million in 2014 for peer-reviewed research including \$1,570,000 for clinical research project grants and \$600,000 in support of clinical research higher degree student scholarships.

There were 263 postgraduate student supervised at RBWH of whom 78% were enrolled in doctoral level studies (PhD, Clinical Doctorate). Students were enrolled at a wide variety of institutions including UQ, QUT and Griffith University, as well as interstate universities such as Monash University and University of New South Wales.

The productivity of RBWH researchers is extensive with 728 unique publications, 44 book chapters and one book reported. An additional 68 papers now in press (not included here) were accepted for publication in 2014. The quality of RBWH research is evident by co-authorship of articles in many high impact international journals including five in The New England Journal of Medicine, eight in The Lancet or Lancet journals and five Nature journals such as Nature Biotechnology and Nature Genetics papers.

The focus of clinical research on healthcare service and clinical practice is evident by 13 Cochrane systematic reviews of clinical research evidence conducted by four service lines involving researchers from Nursing and Midwifery, Cancer Care Services, Women and Newborn Services and Internal Medicine Services. As examples of the impact of clinical research outcomes, teams of RBWH clinicians from within Allied Health, Critical Care and Clinical Support Services, Metro North Mental Health and Women and Newborn Services prepared 18 clinical guidelines and contributed to an Australian Institute of Health and Welfare report.

The research activity has been widely communicated at local, national and international conferences, symposia and meetings. Of 694 presentations 73 % were oral presentations providing RBWH a wide reach for disseminating our research activity. We anticipate that many of these presentations will appear as peer reviewed research articles in the 2015 report. RBWH innovations have been protected by filing of two international patent applications with the World Patent Office, one by Medical Imaging and one by Metro North Mental Health. The quality and relevance of the clinical research has attracted 16 media interview broadcasting the exciting and translation nature of our research programs.

The annual RBWH Healthcare Symposium remained the major showcase for the hospital's clinical, educational and research activities with more than 1000 attendees and more than 100 staff and students in its planning and execution with statewide, national and international speakers.

In collaboration with the Brisbane Diamantina Health Partners, RBWH continues its trend towards a full academic health centre with excellence in clinical care, teaching and research. It is widely recognised that such centres attract staff with enquiring minds, tenacity and a pursuit of excellence. Such staff themselves attract students and others of like mind. The end result is a higher quality of health care at a sustainable cost.

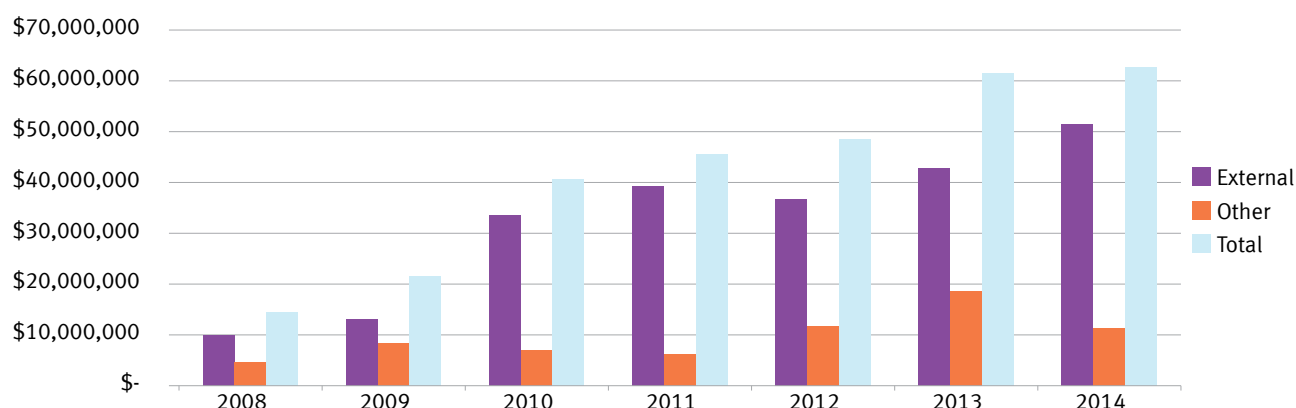
**Professor Lawrie Powell AC**  
Director, Research  
Royal Brisbane and Women's Hospital

**Associate Professor Janet Davies BSc PhD**  
A/Assistant Director Research

*Data within this report is based on information supplied to CACR by Departments participating in research at RBWH. Duplicate grants and publications appearing in this report are shown within each participating Department's section but repeat entries have been excluded from the analysis presented on page 5.*

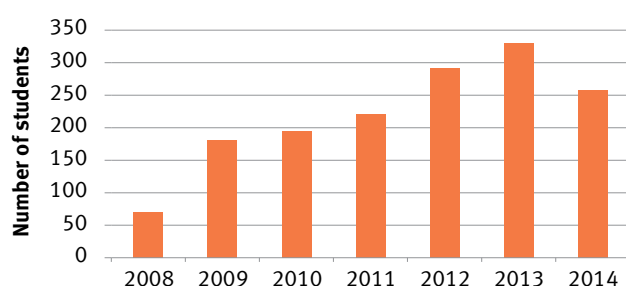
# Research performance

## Research grants

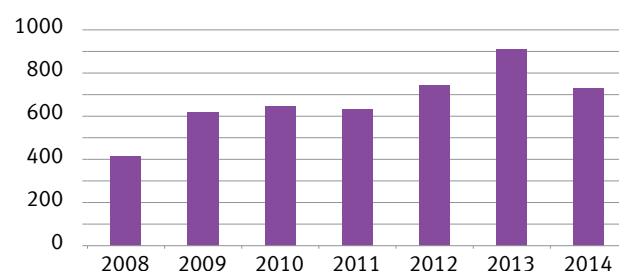


External Research Funding includes funds received from external peer reviewed competitive funding schemes (e.g. National Health and Medical Research Council (NHMRC), National Heart Foundation, Australian Research Council ARC) including project, partnership, linkage or program grants, fellowships and scholarships. Other refers to internal research funds received from internal peer-reviewed funding sources (Queensland Health, RBWH Foundation, RBWH Private Practice Trust Fund and university schemes). Funds received from commercially-sponsored trials contract research are not included. Grants include those reported by Departments where an RBWH researcher is a chief or Co-Investigator. Grants for multidisciplinary teams reported by more than one Department have been included only once.

## Supervised Post Graduate Students



## Publications\*



## Proportion enrolled in different higher degree programs

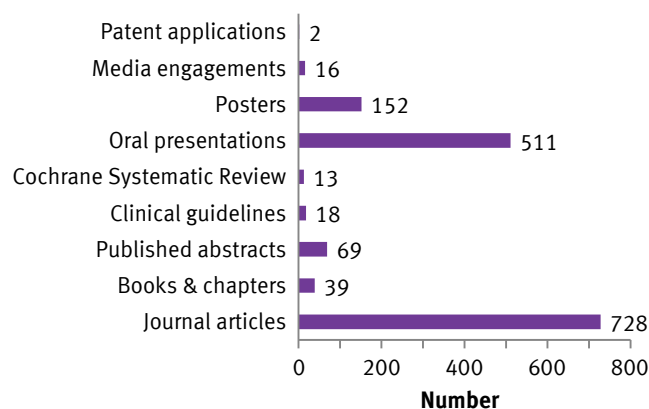
PhD/ doctorates	78%
Masters/ other	22%

## Proportion enrolled at different Universities

UQ	72%
QUT	13%
Griffith	7%
Other	8%

Higher degrees include masters and doctoral level degrees conferred or currently under supervision by a RBWH researcher.

## Communication of research



Publications include peer-reviewed journal articles, where an RBWH researcher is a named co-author. Books, book chapters, electronic publications, abstracts, conference proceedings and articles 'in press' are not included. Papers co-authored by researchers in more than one Department have been counted only once.

# Queensland University of Technology



**Professor Ross Young**  
Executive Dean  
Faculty of Health  
Queensland University  
of Technology

Queensland University of Technology (QUT) has continued its strong relationship with the Royal Brisbane and Women's Hospital (RBWH) with significant accomplishments in health-related research and training in 2014. Much of QUT's involvement is through its Faculty of Health, the Science and Engineering Faculty and the Institute of Health and Biomedical Innovation (IHBI).

The strong relationship between QUT and RBWH promotes novel research, training and education into patient care and advances in health sciences. Adjunct and joint appointments bring together multidisciplinary teams to improve health services, nursing, cancer care, nutrition and chronic disease intervention. Education of future researchers and clinicians remains a strong priority.

The Herston Imaging Research Facility (HIRF), a joint venture between The University of Queensland (UQ), Metro North Hospital and Health Service through the RBWH, QUT and the QIMR Berghofer Medical Research Institute was completed in 2014, and will advance research into the earlier detection of cancer, psychological disorders and neurological disease, as well as studies to profile patients for individualised treatment according to their level of risk. The alliance will see Queensland at the forefront of human imaging research, education and clinical care.

The Australian Centre for Health Services Innovation (AushSI) has continued to build health services research capacity by funding academics and health professionals to work together to deliver solutions to important health services challenges. A joint partnership between the Queensland Government, RBWH, UQ and QUT, the Centre has moved into a phase of expansion and consolidation. Significant

effort has been put into securing additional financial partners, building capacity through consultancy, and running training and skills development programs. The successful 'Stimulus Grant' funding scheme is supporting a number of ongoing projects at the RBWH along with PhD scholarships. There was an enthusiastic response to these rounds, with the Centre currently supporting a variety of collaborative clinician – researcher teams.

QUT and RBWH researchers now partner in two NHMRC Centres for Research Excellence (CRE). The CRE for End-of-Life Care helps Australians engage in much needed conversations about end of life care. Located at QUT, the CRE generates new knowledge about health service delivery at the end of life and supports people across different parts of the system. Involving researchers from the RBWH, the CRE builds on a successful research partnership around palliative care through the Centre for Palliative Care Research and Education (CPCRE). Led by a consortium of RBWH, The Prince Charles Hospital, QUT, Karuna Hospice Services, and CheckUP, this Queensland Health initiative is improving state-wide palliative care services through education and research endeavours. The \$2.5M NHMRC Chronic Kidney Disease CRE is dedicated to improving knowledge and management of chronic kidney disease (CKD) across the health care spectrum, and is funded for five years from 2014. The CRE6-CKD involves investigators and collaborators in almost every state/territory is led by UQ with QUT, Queensland Health, RBWH and James Cook University the other key state partners. Research themes include establishing a national CKD surveillance network, improving CKD practice improvement in primary care, nursing care and renal supportive care, establishing the first Australian BioBank for CKD, and health economic evaluations.

QUT is a major university partner of the RBWH with a strong focus on nursing research and training. A number of longstanding partnerships and collaborations in this area continued to grow in 2014. Researchers from the RBWH/QUT Centre for Clinical Nursing are working together to further research around evidence based practice in nursing via the Nursing Research and Development Unit, a key aspect of the Centre. The Centre also includes an Education Unit, designed to develop and support a culture of continuous learning and enquiry that values education and professional practice. Together with the activities conducted through this centre, the establishment of three QUT RBWH Nursing Professorial Units in Cancer Nursing, Renal Nursing, and Intensive Care Nursing have continued and bring about improvements in outcomes for patients at the hospital.

Enrolment of clinical professionals in higher degree research programs at QUT remains popular with candidates enjoying the benefit of expert supervisory teams across both academic and hospital settings. In 2014, QUT undergraduate students participating in the Vacation Research Experience Scheme (VRES) working closely with RBWH staff to foster links between the two organisations. Publication outputs also show productive links between academic staff, clinicians and students in emergency medicine, health services, palliative care, nursing practice, aged care, nutrition and dietetics and cancer. Outputs in international journals, such as *'Supportive Care in Cancer'* and *'International Psychogeriatrics'*, show the worldwide significance of our joint research. New grants commenced in 2014 with Chief Investigators from QUT and RBWH in cancer, nutrition and dietetics, child health and aged care.

QUT is excited to continue to build strong networks with the RBWH between clinicians, specialists and researchers from the health care sector and universities. HIRF will be a major competitive advantage in the future development of clinical research collaborations.

**Professor Ross Young**  
Executive Dean  
Faculty of Health  
Queensland University of Technology

# The University of Queensland



**Professor Melissa Brown**  
Deputy Executive Dean and  
Associate Dean (Research)  
Faculty of Medicine +  
Biomedical Sciences  
The University of Queensland



**Professor Christina Lee**  
Associate Dean (Research)  
Faculty of Health and  
Behavioural Sciences  
The University of Queensland

In 2014 we continued to strengthen the long-standing relationship between The University of Queensland (UQ) and the Royal Brisbane and Women's Hospital (RBWH), through a number of important joint ventures and new initiatives.

2014 saw the establishment of two new Health Faculties, the Faculty of Medicine and Biomedical Sciences (M+BS) and the Faculty of Health and Behavioural Sciences (HaBS), replacing the previous Faculty of Health Sciences. Both M+BS and HaBS highly value hospital-university partnerships and have a strong presence on the Herston campus, involving collaboration across research, teaching and clinical service delivery.

Schools and dedicated research centres within M+BS and HaBS act as the principal source of contact between UQ and RBWH. The Schools of Medicine, Nursing, Midwifery & Social Work, Dentistry, and Public Health all have a presence on the Herston campus, and staff and students engage collaboratively in research of direct relevance to the day-to-day activities of RBWH.

A number of research centres in the School of Medicine are based at RBWH, including the Burns, Trauma and Critical Care Research Centre (BTCCRC), directed by Professor Jeffrey Lipman, and the Perinatal Research Centre led by Professor Paul Colditz. These and other UQ research centres have direct involvement with hospital units, departments and clinicians.

Two research centres in the Faculty of Health and Behavioural Sciences are situated on the Herston campus. The Centre of National Research on Disability and Rehabilitation Medicine (CONROD), directed by Professor Gwendolen Jull, focuses on physical and psychological rehabilitation, with an emphasis on traffic-related injuries, and has recently been re-funded by the Motor Accident Insurance Commission. The Centre for Youth Substance Abuse Research (CYSAR), funded by philanthropy from the Graeme Wood Foundation and directed by Professor Wayne Hall, conducts research on the pressing problems related to misuse of alcohol and other drugs amongst young Queenslanders.

Also co-located with the hospital are the UQ Centre for Clinical Research (UQCCR) and the UQ Oral Health Centre (UQOHC). UQCCR is a university-level centre dedicated to undertaking clinically-relevant research in the areas of mothers, babies and lifelong health, cancer, brain and mental health, infection and immunity. The newly built UQOHC, housing UQ's School of Dentistry, was opened by Australian Health Minister Sussan Ley in early 2015. It is the largest and most advanced tertiary oral health facility in Australia, bringing together academics, researchers, leading practitioners and top tier students who are united by their passion to improve the lives of everyday Australians through better dental care.

The university is excited to be one of the partners of the newly established Herston Imaging Research Facility (HIRF), which is due to be officially opened towards the end of 2015, and is positioned between the UQCCR and QIMR Berghofer on an outpatient floor with direct access to the hospital. HIRF is a joint venture between UQ, RBWH, QUT, and QIMR Berghofer, and is the only one of its kind in Australia, with state-of-the-art molecular and functional imaging equipment (3-T MRI, PET/CT and PET/MRI scanners) that has the potential to revolutionise research and health care delivery.

In 2014 there was further recognition from RBWH and the University on the critical importance of working together to deliver excellence in healthcare, research, and education, with both institutions being foundation partners of the city-wide Brisbane Diamantina Health Partners. Professor Gerard Holtmann continues to oversee the clinical teaching and research partnerships across all the health science disciplines at UQ, and Professor Leonie Callaway continues in her role of overseeing clinical activities and engagement between the university and all hospitals in the northern cluster, including RBWH.

The University continues to support the research activities of clinicians appointed as academic title holders of UQ, committing funds towards a scheme focused on fostering hospital-based clinical research specifically being undertaken by UQ title holders. UQ is pleased to announce that 3 of the 5 grants awarded in 2014 went to clinicians affiliated with the RBWH. Also, introduction of template governance agreements in 2014 between UQ and RBWH has meant that collaboration between university and RBWH researchers and clinicians has never been easier.

The University looks forward to continuing to strengthen its relationship with RBWH, with the aspiration of working collaboratively with the hospital to achieve improved healthcare delivery for the benefit of Queensland patients.

**Professor Melissa Brown**  
Deputy Executive Dean and Associate Dean (Research)  
Faculty of Medicine and Biomedical Sciences  
The University of Queensland

**Professor Christina Lee**  
Associate Dean (Research)  
Faculty of Health and Behavioural Sciences  
The University of Queensland

# The University of Queensland Centre for Clinical Research



**Prof. Murray Mitchell**  
Director  
UQ Centre for Clinical  
Research

The UQ Centre for Clinical Research (UQCCR) continues to represent the very best of Australian health and medical innovation, and I am proud to share with you this report on our many achievements throughout 2014. As you read about the people and projects making a difference to what clinicians know and can do about human health at all ages, you'll notice a common theme emerging: research excellence.

We have always pursued best practice and set the benchmarks for collaborative clinical research. The difference this year, however, has been the wider recognition of our excellent work, which has spurred us on to push the boundaries further.

Our efforts have attracted support from new and existing collaboration partners in Australia and around the world. This includes funding of more than \$6 million from the National Health and Medical Research Council. With a 23 percent success rate, the Centre has exceeded the national average for grant applications by nearly 10 percent. More than \$600,000 from the Royal Brisbane and Women's Hospital Foundation has enabled various important research projects to advance. Dr Cynthia Forlini received more than \$360,000 from the Australian Research Council for a Discovery Early Career Research Award.

We welcomed many distinguished guests during the year, such as the Queensland Chief Scientist, Dr Geoff Garrett; the former Minister for Health, Laurence Springborg; and the Assistant Director-General, Dr Christine Williams, from the Department of Science, Information Technology, Innovation and the Arts.

In July, members of New Zealand's parliamentary Select Committee for Health visited UQCCR to discuss children's health and skin cancer with our own experts and the Queensland Cancer Council.

Our researchers were profiled by international and Australian media, including TIME's NextGen Leaders of 2014 and the SBS channel's 'Life on Us' documentary. We were proud to see the National Indigenous Drug and Alcohol Committee add Dr Janet Hammil's name to the Coralie Ober Alcohol Honour Roll, for her tireless research, advocacy, and support for individuals living with Foetal Alcohol Spectrum Disorder.

We congratulated two PhD candidates on winning major awards. Hosam Zowawi received the prestigious Rolex Award for Enterprise for his pioneering work on antibiotic resistant bacteria. Betoul Baz was highly successful in several UQ competitions and won Best Student Poster at the Australasian Society for Dermatology Research-Cutaneous Biology Conference. All our students contribute to UQCCR's ongoing success, and we appreciate the fresh curiosity and creative thinking they bring to the Centre.

We also congratulated our valuable supporter, Shimadzu Australasia, on receiving an Excellence in Industry Engagement award from the UQ Faculty of Medicine and Biomedical Sciences.

In 2014 we recognised the outstanding efforts of ten students and early career researchers. At the UQCCR Shimadzu Awards Seminar, Dr Barbara Lingwood, Dr Rebecca Pelekanos, Dr Jacki Liddle, Dr Carlos Salomon, Dr Susan Sullivan, Dr Renee Richards, Dr Jatin Patel, Itopa Ajayi, Matthew Roberts and Miharu Kobayashi all received awards.

Excellence can only be achieved when everyone shows deep commitment to common goals. I would like to acknowledge and thank the entire UQCCR staff – research, clinical, academic and professional – for their dedication to their own work and for the support they give each other.

This report is an inspiring collection of stories about the people and the passion that define research excellence at UQCCR. It's a satisfying 'farewell salute' to my time as the Centre's Director. In 2015, I return to the lab as a Senior Research Leader, focusing on projects that support the 'Mothers, Babies and Lifelong Health' theme. Professor David Paterson has accepted the role of Acting Director and will be overseeing the achievements you'll read about in next year's RBWH report.

**Professor Murray Mitchell**  
Director  
UQ Centre for Clinical Research



# Queensland Institute of Medical Research Berghofer (QIMR Berghofer) Director's report

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**Prof. Frank Gannon**

Director and Chief Executive Officer  
QIMR Berghofer

It is a pleasure to pen some words for the RBWH Annual Research Report. The symbolism of QIMR Berghofer engaging with the RBWH through this measure is highly appropriate given the extent to which our organisation and the RBWH work together.

QIMR Berghofer is committed to achieving better health through research. This translation step requires collaboration with clinicians and indeed the definition of problems by them. We can proudly point to a growing number of such interactions as the QIMR Berghofer researchers engage increasingly extensively into translation, and as our RBWH clinical colleagues recognise the skill base that is on their doorstep. One clear manifestation of this is the fact that the three Programs at QIMR Berghofer – Cancer, Infectious Diseases, and Mental Health/Complex Disorders – are all now headed by clinicians well known and active within the RBWH (Professors Geoff Hill, James McCarthy and Michael Breakspear). Professors Barbara Leggett and Graham Radford-Smith also have their research groups well integrated into the QIMR Berghofer, and the conjoint laboratories have been part of our overlapping research activities for many years now.

A further visible manifestation of our collaboration is in the Herston Imaging Research Facility which has now been completed and established and is beginning to provide an exciting new source of data for researchers and clinicians. We are also joined as partners in the Brisbane Diamantina Health Partnership which includes Metro North Hospital and Health Service, Metro South Hospital and Health Service, Children's Health Queensland Hospital and Health Service, Mater Health Services, the University of Queensland, the Queensland University of Technology, the Translational Research Institute, and QIMR

Berghofer. This is an ambitious development which aims to bring together clinical, research and training activities in a more integrated manner. This process has just started recently on a Brisbane-wide basis and there is much to be gained from continuing to work on making it a thriving entity. It will provide a great template for future collaborations between QIMR Berghofer and clinicians, but in particular with those on the campus.

A new dimension that is opening up is related to clinical trials. The support of the RBWH has ensured that expert statistical advice is available, to those planning studies in the hospital, on the doorstep through the QIMR Berghofer/RBWH Statistics Unit. We also have established the Clinical Trials and Biostatistics Unit to help in the design and data analysis of complex clinical trials. And we are now the sole owners of Q-Pharm, the professional clinical trial company, and hope that this will yield even more joint engagement in clinical trials.

In summary therefore it is a real benefit for QIMR Berghofer to share the campus with the RBWH. We believe the reciprocal is also true, and we will continue to look for more collaborative opportunities to build on those that already exist.

**Professor Frank Gannon**

Director and Chief Executive Officer  
QIMR Berghofer



**Mr Peter Treseder AM**  
Chief Executive Officer  
RBWH Foundation



As the charity arm of Royal Brisbane and Women's Hospital (RBWH), our mission is to raise money for the hospital so it can further medical research, purchase equipment and develop programs that will assist in achieving optimal health outcomes for its patients from Brisbane and beyond. We are delighted that in 2013/14, we were able to increase the level of support we provided to the hospital, distributing \$4.7 million towards research and other health initiatives.

Clinical research has without doubt always been the primary focus of RBWH Foundation and our fundraising activities. We particularly like to assist in nurturing young researchers as well as providing seed funding for new projects so they can be developed to the point of applying for grants from the larger funding bodies.

Our main conduit for distributing funds to new research programs is through our annual Research Grant Awards program. These grants, which are determined by the RBWH Research Advisory Committee, are presented at a ceremony held each February in the hospital's Education Centre. Over \$1.8 million in grants and scholarships was distributed at the 2014 Research Grant Awards ceremony.

In 2013/14, RBWH Foundation introduced the 'Diamond Care Grants' with funds raised through the inaugural Weekend to End Women's Cancers. Due to this event's enormous success, RBWH Foundation was able to distribute over \$760,000 in grants for a mix of research, programs and equipment focussed on improving outcomes and quality of care for patients with female-specific cancers.

Aside from grants, RBWH Foundation continues to support ongoing research in a number of key areas. Examples of these include:

- **Burns, Trauma and Critical Care Research Centre** – Through corporate sponsorship and individual pledges, RBWH Foundation enabled the centre to continue its research across a range of projects ranging from the application of antibiotic therapy to critically-ill patients, to studying the consequences of bleeding on cerebral microcirculation after head injury.
- **Neurology Research Centre** – Funding generated through Foundation events, donations and community activities over the last six years, has supported research into determining reliable markers for the progression of Motor Neurone Disease and investigating how the disease starts and spreads through such studies as the 'handedness' project. The Foundation also supports a range of research projects related to Stroke rehabilitation and secondary Stroke prevention.
- **Perinatal Research Centre** – The Foundation provides ongoing funding to the Perinatal Research team which conducts a range of research projects including testing a new protocol to provide an effective antiepileptic treatment for neonatal seizures in order to reduce brain injury and a collaboration with University of Qatar to produce 'wiring maps' of the developing brain.

Many of the hospital's main research centre/groups, such as those listed above, now have established tied funds with the Foundation to house money received through sponsorship, special donations, bequests and grants. These tied funds allow researchers easy access to their funding as and when required. These research centre/groups also actively engage with the Foundation to assist in fundraising for their work.

We would like to thank the many individuals, businesses and community groups whose financial contributions to RBWH Foundation have made the funding of many of these research projects and grants possible. These contributions not only provide monetary support, but also remind our researchers, doctors and nurses that they are not working in isolation, but as part of a community with the same drive and commitment towards a healthy future.

**Mr Peter Treseder AM**  
Chief Executive Officer  
RBWH Foundation

# Herston Health Services Library



**Ms Nicky Foxlee**  
Manager  
Herston Health Sciences Library  
and UQ Dentistry Library  
The University of Queensland

The Herston Health Sciences Library (HHS�) is one of 12 branches of the University of Queensland (UQ) Library. The HHS� provides resources and services to support the research, clinical, teaching and learning needs of hospital staff located on the Herston site.

During the past year, the librarians conducted approximately 20 individual research consultations each week and undertook over 141 literature searches for Hospital clients requiring evidence-based information to support research, patient care, clinical guideline and care pathway development, and audit or policy documentation. The librarians regularly contributed their expertise to systematic review and clinical guideline groups and provided metrics assistance for grant applications.

Liaison librarians from the UQ Library's Client Services Team at the HHS� provide expert advice to Hospital staff from across hospital departments and units to support all stages of the research cycle:

- Literature searches
- Individual research consultations
- Metrics for research grant applications and measuring research impact
- Advanced information literacy training and department in-service sessions
- Developing collections for research and teaching needs
- Staying up-to-date with the literature in a discipline
- Endnote (referencing software)
- Obtaining material not held in the Clinician's Knowledge Network or UQ Library collections

RBWH staff have access to world-class research and scholarship through the print resources provided. The UQ Library has one of the largest academic collections in Australia with over 2 million volumes. Together, with the PACE Health Sciences Library and UQ/Mater McAuley Library, the HHS� provides an exceptional print collection of health and medical books, and journals. In 2014 with the move of the UQ School of Dentistry to the Herston Campus, the Dentistry Library was merged with the HHS�, extending the collection of the latter.

During 2014, the Herston Collection Development Committee – comprising representatives from the Hospitals and the University – purchased 643 new items; 11,331 items were borrowed from the collection; and 55,251 items were re-shelved after being returned to, or used in the library.

Increasingly, researchers seek access to scholarly information in electronic format. The Library provides an extensive and increasing range of electronic journals, books and other digital material. Clinicians with UQ academic titles have full access to UQ Library electronic resources, while other Hospital staff members have walk-in access to a wide range of electronic books, journals and databases. Hospital staff members also have access to Queensland Health's Clinician's Knowledge Network (CKN), a gateway to electronic books, journals, full-text databases and other resources.

Ensuring Hospital staff can find and use the Library's research collections and tools is a priority. Liaison librarians conduct regular advanced information literacy training to support the research needs of Hospital staff. Training includes searching the specialized health databases to find best evidence, expert searching for systematic reviews, managing references using Endnote and training on Microsoft Word and Excel. During the past year, 4,463 library clients attended 201 information literacy classes or talks held in the HHS� eZone or in a Hospital Department. Library staff responded to a total of 6,269 information enquiries made in person, by email or on the telephone.

The document delivery service enables the Library to meet the research and information needs of all of its clients by obtaining items –print or electronic – that are unavailable from its own collections. In 2014, the HHS� received 3,442 document delivery requests from across our client groups.

RBWH, the Royal Children's Hospital (RCH) and UQ Library jointly fund the HHS� and it is managed by the UQ Library. In 2014, 90,791 people visited the HHS� and 22,331 clients used the 24/7 eZone.

**Ms Nicky Foxlee**  
Manager  
Herston Health Sciences Library and UQ Dentistry Library  
The University of Queensland

# Human Research Ethics Committee



**Dr Conor Brophy**  
Chair, Human Research  
Ethics Committee  
Royal Brisbane and Women's  
Hospital

The role of a human research ethics committee (HREC) is to consider research and, from the proposal documentation, provide an independent assessment of whether a study will deliver information of value and adhere to recognised principles of ethical research conduct. These principles are set out in the NHMRC National Statement on Ethical Conduct in Human Research, conform to international consensus on ethical best practice in human research and focus on protecting the interests of participants. The National Statement also defines the manner in which a HREC functions and the minimum representation required on a committee. The Royal Brisbane & Women's Hospital (RBWH) HREC fulfils this and more with a diverse membership of 28 people: academic researchers and clinicians from within and outside the RBWH campus; lay men and women; lawyers; and those who fulfil a pastoral care role in the community. The Committee is fortunate in having maintained a highly experienced core membership for several years, which attests to the very strong commitment to research and voluntary service of the group.

As in previous years, the RBWH HREC continues to see an extensive range and number of health-related research. Submissions come from all research active partners on site on the RBWH campus but also further afield within Metro North Hospital and Health Service and elsewhere from other health care and academic institutions in Queensland and interstate. The authority to provide research ethics approval for organisations throughout Australia is based in the 2013 renewal of NHMRC Certification for RBWH HREC to undertake single ethical review of multicentre research. In terms of the nature of the research considered by the HREC, the trend established in 2013 of increasing diversity in research aims and methodologies has continued. There has been further growth in the areas of health service research, natural history of disease, and studies investigating predictors and biomarkers of illness.

The total numbers of studies increased from approximately 200 in 2013 to 266 in 2014. The time taken for review of applications continues to be low despite the increased work-load, in part because of two changes made to procedures in 2014. The first was to reduce the interval between the submission closing date and the HREC meeting from three to two weeks. The second was to introduce an expedited process for review of low or negligible risk studies by which submission may be made at any time during the month and progressed to review between meetings. The changes have resulted in the work-load for the HREC Office and Committee members being not only more intense, because managed in a shorter time, but also continuous as new low or negligible risk studies are distributed to reviewers at any time. Where a particular scientific question arises or additional expertise is deemed necessary, expert reviewers external to the Committee are recruited to provide further opinions on studies. Even when expert reviewers are enlisted, the HREC secretariat is able to progress submissions and distribute to reviewers within a time period of 3 days for low or negligible risk studies and 5 days for all others. The response of reviewers is such that the time from submission to communicating the ethical decision was shorter in 2014 than in any previous period. In 2014 it was 11 days for low or negligible risk proposals and 19 days for medium and high risk studies. The equivalent latter figure for 2013 was 26 days and the national benchmark for time to approval is set at 60 days.

The Committee is highly supportive of the research showcased in this report, and extremely committed to furtherance of the strong culture of ethical investigation within the RBWH campus and more broadly mirrored throughout MNHHS and its research partners.

**Dr Conor Brophy**  
Chair, Human Research Ethics Committee  
Royal Brisbane and Women's Hospital

# Allied Health Professionals



**Peter Buttrum**  
Acting Director  
Allied Health Professions

## Overview and executive and directing staff

The Allied Health Professions (AHP) service line comprises the professions of Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Rehabilitation Engineering, Social Work and Speech Pathology. The professions support RBWH clinical services lines within multiprofessional teams and aim to provide high quality and evidence based services across the continuum of care. A new model of governance for AHP research was commenced during 2014 with appointment of a half time Director, Research AHP.

Aligned to the RBWH vision of being a world class academic health centre, the Allied Health professions have a strong commitment to high quality research. This research investment, along with ongoing education, underpins the evidence base, effectiveness, and efficiency of our service delivery, and the outcomes are aimed at transforming clinical service delivery within rapidly changing healthcare environments.

In 2014, Allied Health have continued their enormous success in research outcomes. AHP staff were successful in authoring over 50 publications in high quality peer reviewed journals, and attracting over a million dollars in external grant funding. Additionally staff presented over 80 abstracts or invited presentations at national and international conferences. There were also nearly 30 AHP staff undertaking higher research degrees.

We are extremely proud of our ongoing commitment to high quality research. We also appreciate and thank the contribution of our several University partners, without whom this level of research success would not be possible, and look forward to their ongoing collaboration. Finally, and most importantly, sincere thanks and congratulations are extended to all the Allied Health staff for their dedicated efforts and achievements in 2014.

## Key departments

- » Department of Nutrition and Dietetics
- » Department of Occupational Therapy
- » Department of Orthotics and Prosthetics
- » Department of Physiotherapy
- » Rehabilitation Engineering Centre
- » Department of Social Work and Psychology
- » Department of Speech Pathology and Audiology
- » Centre of Allied Health Research

## Executive and directing staff

**Peter Buttrum**  
Acting Director, Allied Health Professions

**Dr Merrilyn Banks**  
Director, Nutrition and Dietetics

**Susan Laracy**  
Director, Occupational Therapy

**Mark Holian**  
Director, Orthotics and Prosthetics

**Mark Cruickshank**  
Acting Director, Physiotherapy

**Peter Slattery**  
Director, Rehabilitation Engineering

**Angela O'Malia**  
Director, Social Work and Psychology Services

**Lynell Bassett**  
Director, Speech Pathology and Audiology

# Department of Nutrition and Dietetics



**Dr Merrilyn Banks**  
Director  
Nutrition and Dietetics

## Overview

**About this service:** The Department of Nutrition and Dietetics provides a comprehensive clinical service to inpatients and outpatients of the RBWH. Services to inpatients include nutritional assessment, intervention and support, discharge planning for outpatient follow-up and community services. Outpatient counselling services are provided to groups and individuals in clinics within the Department and as part of multidisciplinary teams. A home enteral nutrition service is also provided. There is commitment to provide ongoing education to hospital staff, education and support for student dietitians, as well as support and advice to dietitians and other health professionals in regional areas.

**Highlights of 2014:** The Department has a strong commitment to leading research and collaborating with multidisciplinary teams. Research has focussed on a range of clinical conditions and chronic diseases across the continuum of health care. This year the Department has attracted \$600K of competitive research funding, authored 9 peer reviewed publications, 2 book chapters, and 27 conference presentations. Two of our staff were recipients of prestigious national awards.

The Department has strong and extensive local research collaborations with other RBWH clinical services and those at The Princess Alexandra, The Prince Charles, The Royal Children's and The Wesley Private Hospitals. Nutrition and Dietetics engages with all Academic partners associated with RBWH as well as state-wide and nationally with, the Australian and New Zealand Burns Dietitians Interest Group; Australian and New Zealand Burns Association (ANZBA); Joanna Briggs Institute; Australasian Society of Parental and Enteral Nutrition (AuSPEN); Australian and New Zealand Intensive Care Research Centre (ANZIC-RC); Nursing Research Centre of Excellence.

**Benefits for clinical practice:** Our research is directed to improving patient outcomes through the implementation of evidence based health services. Specifically our research has led to enhanced prevention and treatment of malnutrition and pressure injuries through supportive meal time environments, appropriate provision of hospital foodservices and medical nutrition therapy, and the implementation of post discharge procedures. For patients with a diagnosis of cancer, appropriate treatment with early supportive enteral nutrition prevents nutritional decline, improves recovery and patient outcomes. Through a greater understanding of factors impacting on excess weight in pregnancy, appropriate health services can be delivery to prevent and manage excess weight which is associated with chronic disease in women and children throughout the life course.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Merrilyn Banks</b>	PhD, BScGradDipEd, GradDipNutrDiet, MHLthSci	Director	malnutrition, pressure ulcers, elderly, critical care, food services
<b>Jan Hill</b>	BSc, Grad Dip Nut Diet, MPH	A/Director	malnutrition
<b>Sarah Andersen</b>	BHLthSci NutrDiet	Senior Dietitian/ Nutritionist	cancer care, nutrition support, malnutrition
<b>Claire Blake</b>	BHLthSci NutrDiet	Dietitian/ Nutritionist	nutrition support
<b>Teresa Brown</b>	BSc Nutr(Hons) GradDipNutrDiet	Team Leader, Dietitian/ Nutritionist	cancer care, gastrostomy
<b>Dr Susan de Jersey</b>	PhD MPH BHLthSci BAppSci HMS(Hons) NutrDiet(Hons)	Senior Dietitian/ Nutritionist	maternal health, maternal obesity, infant feeding, gestational diabetes, chronic disease prevention
<b>Kathleen Dwyer</b>	BHLthSci (NutrDiet)	Dietitian/ Nutritionist	cancer care, pressure ulcers
<b>Emma Osland</b>	BHSc (NutrDiet) (Hons) MPhil	Team Leader, Dietitian/ Nutritionist	nutrition support, surgical nutrition
<b>Dr Lynda Ross</b>	PhD(BiomedSci), BNutrDiet(Hons)	Visiting Research Fellow	chronic disease, rare diseases
<b>Dr Adrienne Young</b>	PhD BHLthSci NutrDiet(Hons)	Senior Dietitian/Nutritionist	malnutrition, elderly

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Al Balushi, R.	PhD (2011- 2014); UQ	Effect of intravenous glutamine supplementation in trauma patients receiving enteral nutrition (GLINT Study): a prospective, blinded, randomised, placebo-controlled clinical trial
Brown, T.	PhD (2011-2016); UQ	Does early commencement of nutrition support in patients with head and neck cancer improve outcomes?
Roberts, S.	PhD (2011-2015); Griffith	Nutrition in prevention of pressure ulcers in hospitalised patients
Marshall, S.	PhD (2012-2015); Bond	Malnutrition in the Australian Rural Rehabilitation Community
Nelson, C.	PhD (2014-2016); QUT	Investigation of nutrition status of community adults with lower leg wounds

## Awards and achievements

Award	Event	Recipient
Young Achiever of the Year (National)	Dietitians Association of Australia 31st National Conference	Young, A.
Research in Practice Award	Dietitians Association of Australia 31st National Conference	de Jersey, S.
Innovation Award in memory of Josephine Rodgers - Highly Commended	Dietitians Association of Australia 31st National Conference	Ross, L., Mason, B., Juffs, P., Gill, E.

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
<b>Banks, M.*</b>	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	NHMRC Health Professional Research Training Fellow (P/T)	\$147,446 (2012-2015)
Chaboyer, W., Bucknall, T., Webster, J.*, McInnes, L., <b>Banks, M.*</b> , Wallis, M., Gillespie, B., Whitty, J., Thalib, L., Cullum, N.	Introducing a care bundle to prevent pressure injury (the INTACT trial)	NHMRC Project Grant	\$1,071,076 (2014-2015)
Demedio, K., <b>Young, A.*</b> , <b>Banks, M.*</b> , Mudge, A.*	Hospital to Home Outreach for Malnourished Elders – a cost-effectiveness sub-study	TPCH Foundation, Project grant (new investigator)	\$9816.95 (2014)
Young, A., <b>Banks, M.</b> , Mudge, A., Isenring, E., Whiting, E.	Hospital to Home Outreach for Malnourished Elders (HHOME)	Australian Centre for Health Services Innovation (AusHSI) Project grant	\$70,000 (2013-2014)
<b>Brown, T.*</b>	Prophylactic nutrition support in high risk patients prior to treatment for head and neck cancer	RBWH PhD Scholarship	\$32,500 (2014)

# Department of Occupational Therapy



**Susan Laracy**  
Director  
Occupational Therapy

## Overview

**About this service:** RBWH Specialist Occupational Therapist provides clinical services and state-wide advice in the areas of scar management, oedema management, management of the Hand and Upper Limb and acute stroke management. Consumer engagement in the planning and provision of our services is an emerging theme.

As the RBWH is teaching, tertiary health care provider, Occupational Therapy aims to provide a positive learning culture where the graduate Occupational Therapist transitions to advanced practitioner. We are aware of the importance of both clinical and professional skills and provide high quality supervision.

**Highlights of 2014:** The Cramond Fellow in Pain Management (a 3 year research fellowship) has been part of the establishment of RBWH OT for over 12 years and has supported 2 PHD candidates. The 2014 Cramond Fellow, Nicole Andrews submitted her PHD candidature.

Research to facilitate the scope of practice in Occupational Therapy in advanced scope of practice has been an exciting development in 2014. A prospective, observational study of the Occupational Therapy Hand Screening clinic has commenced which aims to demonstrate the benefits relating to patient satisfaction, reduced waiting times to care, reduced service costs and lower rates of surgery.

## Benefits for clinical practice:

The impact of the 2014 research projects include:

1. Affirmation of the daily practice of "Pacing of activity" in the management of patient with Chronic pain both nationally and internationally
2. Greater insights into the factors which predict adherences to pressure garments are achieved which will improve the patient experience and effectiveness of care.
3. Provide more timely and appropriate services for patients with hand and upper limb conditions through Specialist Occupational Therapy Screening clinics
4. Integration of an evaluated clinical education framework into the practice of Occupational Therapy.
5. Contribute to the evidence base to support the use of functional assessment of cognition as an adjunct to diagnostic procedures.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Tennille Rowland</b>	MPhil, B Occ Thy, Grad Cert (Stroke)	Advanced Occupational Therapist (Stroke)	Stroke
<b>Nicole Andrews</b>	B Occ Thy (Hon 1)	Senior Occupational Therapist	Chronic pain, activity patterns, disability and daily function
<b>Nicole Coghlan</b>	B Occ Thy	Senior Occupational Therapist	Burns ; adherence factors
<b>Kirsten Cook</b>	B Occ Thy , Masters Of Science in Hand Therapy	Advanced Occupational Therapist (Hands)	Primary Contact Occupational Therapy in Hands
<b>Michelle Donovan</b>	B Occ Thy	Senior Occupational Therapist	Burns ; scar management
<b>Anthea White</b>	B Occ Thy ( Hon1)	Occupational Therapist	Risk factors of falls in mid aged women
<b>Sue Laracy</b>	B Occ Thy	Director, Occupational Therapy	Transition to practice of new graduate Occupational Therapist using a clinical education framework, Primary Contact Occupational Therapy in Hands

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Andrews, N	PhD, UQ, 2009-2014	Approach to Activity and determinants of daily function in patients with chronic pain
Coghlan, N	MPhil, UQ, 2013-2016	Factors affecting adherence to compression garments in an adult burns population
Donovan, M	MPhil, UQ, 2010-2014	Improving donor site epithelisation and scar maturation times following split skin grafting in Burns patients : a novel research study using compression therapy
White, A	M Public Health, UQ, 2013-2016	Masters by Course Work

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Andrews, N.	Approach to activity and determinants of daily function in patients with chronic pain: a momentary within-persons perspective	RBWH, PhD Scholarship	\$70 000 (2014)



# Department of Physiotherapy



**Mark Cruickshank**  
Director  
Physiotherapy

## Overview

**About this service:** The Department of Physiotherapy provides clinical services to both inpatients and outpatients of RBWH who have, or potentially have, an underlying movement dysfunction resulting from injury, disease or life changes. RBWH physiotherapists provide a wide range of clinical services across a variety of quaternary, tertiary and secondary services including medicine, surgery, neurosurgery, orthopaedics, critical care, burns, rehabilitation, trauma services, oncology, obstetrics, gynaecology, neonatology and other musculoskeletal, neurological and cardiorespiratory specialties.

**Highlights of 2014:** 2014 has been another very productive year for the Department, with a further 31 peer reviewed publications and numerous successful research grants. Key areas of research for 2014 were musculoskeletal conditions, acute and chronic cardio-respiratory physiotherapy, intensive care, burns, persistent pain, vestibular physiotherapy and clinical education. The conjoint Research Fellow position with Griffith University's School of Allied Health Sciences was secured for a further 3 years and the department was very fortunate to recruit Dr Jennifer Paratz.

Jennifer is an internationally renowned researcher in intensive care and burns research and she joined the physiotherapy research team alongside Dr Shaun O'Leary, who continued as conjoint Research Fellow with the University of Queensland's School of Health and Rehabilitation Sciences, and Professor Alice Jones who continued with a part-time appointment at Griffith University.

Quality research is highly valued by the Department, and sincere thanks is extended to all those who contributed to making 2014 a great success

**Benefits for clinical practice:** A marker of the continued success of the research program in the Physiotherapy Department is that research is undertaken by both dedicated conjoint research staff as well as clinical staff with specific interests in particular areas of clinical practice. As a result, research in areas such as heart failure, intensive care, burns, musculoskeletal and vestibular physiotherapy is clinician driven and seeks to answer relevant questions developed from day to day clinical practice. Furthermore, the results of these research endeavours are readily transferable into the clinical arena and assist to develop high quality effective and efficient physiotherapy practice.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Jennifer Paratz</b>	PhD, MPhty, FACP, Grad Cert Ed (Medical Sciences)	Principal Research fellow, RBWH and Griffith University	Sepsis, Intensive care follow up, burns intensive care, metabolism in burns
<b>Julie Adsett</b>	BPhy (Hons)	Senior Physiotherapist, Heart Failure Service	Exercise training and chronic disease
<b>Dr Shaun O'Leary</b>	BPhy (Hons), MPhty (Manip), PhD, FACP	Principal Research Fellow, RBWH and University of Queensland	Musculoskeletal conditions
<b>Anita Plaza</b>	B. Phy (Hons)	Consultant / Team Leader Physiotherapist, Burns	Burn Management, Exercise Prescription, Scar Management and Outcome measures
<b>Dr Peter Thomas</b>	BPhy (Hons), PhD, FACP, Grad Cert Healthcare Simulation	Consultant Physiotherapist and Team Leader – Critical Care and Surgery	Intensive care, education, simulation, rehabilitation, trauma
<b>Mr Peter Window</b>	B. Phy	Physiotherapist	Musculoskeletal, Chronic Pain
<b>Professor Alice Jones</b>	PhD, Certificate Physiotherapy, MPhil, DipEd, Msc, FACP.	Adjunct Professor, Griffith University.	Acute care physiotherapy, pain management
<b>Mr Ian Parker</b>	BPhy (Hons), M IntPH	Team Leader Physiotherapist – Neurosciences	Vestibular dysfunction
<b>Maree Raymer</b>	BPhy (Hons), MPhtySt (Manip); MHM	Assistant Program Manager, Statewide N/ OPSC and MDS	Service models for patients with MSK conditions, including economic impact

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Adsett, J.	PhD, Griffith University, (2012-2017)	Aquatic exercise for patients with stable heart failure
Bellapart, J.	PhD, UQ (2013-2016)	Anaemia and microcirculation in head injury
Bissett, B.	PhD, UQ, (2012-2016)	Respiratory muscle training in intensive care
Clark, C.	MPhil, Griffith University, (2013-2016)	Mobility in Intensive care
Cottrell,	PhD, QH (2014-)	Clinician projects
Flores, O.	PhD, UQ (2014-2017)	Metabolism in Burns
Gane, E.	PhD, QH (2014)	Clinician projects
Jaber, K.	MPhil, QH (2014)	Clinician projects
Kayambu, G.	PhD, UQ (2012-2015)	Early mobilization in sepsis
O'Connor, L.	MPhil, Griffith University, (2015-2018)	Tracheostomy and effect on balance
Parker, I .	PhD, ACU, (2017)	Clinical and Cost effectiveness analysis of the RBWH Vestibular Screening and Rehabilitation Service model of care
Peasey, M.	MPhil, Griffith University, (2014-2017)	Outcome measures in Pulmonary rehabilitation
Sanderson, J.	MPhil, Griffith University, (2014 – 2016)	Evaluating the effect of applying sustained thumb pressure to lymphoedema tissue using ultrasound: A review of the pitting test.
Spermon, M.	MPhil, School of Medicine, University of Queensland, (2013-2015)	Compression therapy for donor sites in burns
Walsh, J.	PhD, School of Medicine, University of Queensland, (2011-2014)	Selection of participants for pulmonary rehabilitation
Window, P.	PhD, UQ (2014-2016)	Is gluteal muscle dysfunction present in chronic low back pain and can commonly used clinical tests of gluteal function detect it

## Awards and achievements

Award	Event	Recipient
Best Medical Paper	Australian and new Zealand Intensive Care Congress	Paratz, J.
Heart Foundation Collaboration and Exchange Award	Travel and attendance to a research group in France and European Society of Cardiology Heart Failure Congress in Athens.	Adsett, J.

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Adsett, J.*, Mudge, A.*, Morris, N.	Effect of aquatic exercise on physiological parameters for patients with stable heart failure	RBWH Foundation, Project Grant	\$8527.50 2014
Adsett, J.*, Mudge, A.*, Morris, N.	Safety and efficacy of aquatic exercise in patients with stable heart failure	National Heart Foundation of Australia, Post graduate scholarship	\$71 439.50 2012-2017
Berney, S., Denehy, L., Needham, D., Paratz, J., Koopman, R., Hopkins, R.	Functional electrical stimulation assisted cycling (eStimCycle): A novel intervention to improve outcomes in the critically ill	NHMRC, Project Grant	\$842,000 2014-2018

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Denny, K., Cohen, J., Lipman, J., Paratz, J., Dulhunty, J., Evans, D., Pretorious, C., Paterson, D.A.	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit	RBWH Foundation, Project Grant	\$56,000 (2014-2017)
Hickey, A., Adsett, J.*	Functional electrical stimulation assisted cycling (eStimCycle): A novel intervention to improve outcomes in the critically ill	Clinical access and redesign unit, Project Grant	\$136 000 (2014)
Johnson, J, O'Leary	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit	Office Ergonomics Research Committee (OERC) Grant. Project Grant	\$11, 500 (2014-20150)
Johnston, V., Straker, L., Sjogaard, G., O'Leary, S., Melloh, M.	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel	NHMRC, Project Grant	\$ 660,834 (2013-2017) \$150.00/yr
O'Leary, S., McPhail, Comans, Raymer, Khan	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions (Part 2)	RBWH Research Grants, Project Grant	\$56 537 (2013-2014) \$28,000/yr
Paratz, J., Thomas, P., Ntoumenopolous, G., Jones, A., Li Bassi, G., Torres	A Identification and location of secretion retention in mechanically ventilated patients	RBWH Foundation, Project Grant	\$40,000 (2014-2017)
Parker, Ian	Allied health-led vestibular screening and rehabilitation services: a contribution to ear nose and throat wait-list management and positive patient outcomes	AusHSI (QUT), PhD Top Up Grant	\$10,000 (2014)
Window, P., Tucker, K., O'Leary, S.	Is gluteal muscle dysfunction present in chronic low back pain and can commonly used clinical tests of gluteal function detect it?	RBWH Research Postgraduate Scholarship, Scholarship	\$50,000 (2014)

# Department of Rehabilitation Engineering



**Peter Slattery**  
Director  
Rehabilitation Engineering

## Overview

**About this service:** Rehabilitation Engineering is a professional engineer lead clinical service looking to improve the quality of life of people with disabilities through the application of engineering principle. Rehabilitation engineers design and fabricate bespoke solution to overcome a variety of acute and long term issues including skins integrity and complex postural management

**Highlights of 2014:** Rehabilitation Engineering has focussed its research efforts on developing a solid evidence base for the delivery of the unique services it provides. This has covered a diverse range of topics including material science, clinical pathway selection and service operational review.

**Benefits for clinical practice:** Our research helps to improve the quality of care provided to our clients. The focus of all of our research is on ways to improve the journey for the client and the results we can achieve with them.

## Research staff

Name	Qualifications	Position	Interests/specialities
Peter Slattery	BEng (Hons), MEngSc (Research)	Director, Rehabilitation Engineering	Assistive Technology, Service delivery models



# Department of Social Work and Psychology



**Angela O'Malia**  
Director  
Social Work and Psychology

## Overview

**About this service:** The Department of Social Work Services provides a range of psycho-social services which are integral to the health care provided at the Royal Brisbane and Women's Hospital. By working with the patient, family and treating team to remove barriers and enhance strengths and wellbeing social workers optimize health outcomes for patients. Social workers have core skills in the areas of psychosocial assessment, crisis intervention, child protection, domestic and family violence, grief and loss/trauma and complex discharge planning and utilise evidence based interventions and models of care.

**Highlights of 2014:** Research is a growing area of interest for social work with the aim of demonstrating the breadth and complexity of work which is undertaken by social work in health. In 2014 the focus for social work research was collaborative practice and innovation in social work clinical education. Studies and presentations highlighted social work's effective collaboration with a range of stakeholders, namely medicine within renal services, law and legal services, and the Queensland University of Technology as a key university partner.

**Benefits for clinical practice:** Our research activities in student education helps support safe practice by linking knowledge with the real world of work, thus equipping emerging clinicians with a skill set to work in the health sector. Future research will focus on the role and impact of social work in an increasingly complex and challenging health environment

## Research staff

Name	Qualifications	Position	Interests/specialities
Angela O'Malia		Director	
Pamela McNeil		Assistant Director	
Maggie Poole		Senior Social Worker	Sexual Assault
Peerke Murphy		Social Worker	Sexual Assault
Renae Majcen		A/Team Leader	Sexual Assault

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Brennan, K.	Masters in Social Work (Adv), UQ (2012-2014)	Masters in SW by course work did not include a thesis

# Department of Speech Pathology and Audiology



**Lynelle Bassett**  
Director  
Speech Pathology and  
Audiology

## Overview

**About this service:** The Speech Pathology and Audiology Department provides tertiary and quaternary level clinical services to adult inpatients and outpatients with swallowing and/or communication disorders of varying complexity and aetiology as well as providing audiology services. Services are provided at the RBWH Acute Hospital, the Geriatric Evaluation and Management Unit, and the Geriatric Assessment and Rehabilitation Unit, Rosemount.

The Department participates in a range of specialist multidisciplinary teams and has a strong commitment to clinical research and student education. In particular, the Speech Pathology and Audiology Department has established key research partnerships with the UQ Centre for Clinical Research and School of Health and Rehabilitation Sciences resulting in ongoing collaborative research projects and publications.

Key research areas include:

- Head and Neck Cancer – intervention, models of care and outcomes of patients following surgery and/or chemotherapy/radiotherapy
- Stroke - intensity of aphasia treatment, provision of aphasia friendly education
- Dysphagia following Thermal Burn Injury
- Dysphagia – dysphagia screening, instrumental assessment, swallowing rehabilitation
- Telehealth and tele-rehabilitation
- Tracheostomy – simulated training
- Cochlear implants

**Highlights of 2014:** Research has focussed on telehealth, dysphagia and acquired neurogenic communication disorders with dissemination of research outcomes in high impact journals as well as international and national forums.

**Benefits for clinical practice:** Our research activities help improve patient outcomes by focusing on new innovative models of care (e.g., telehealth models of care in head and neck Cancer). Our goal is to undertake clinical research that leads to translatable outcomes than can be implemented into clinical practice. Our vision is that future research activities will impact service delivery and patient outcomes.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Alexia Rohde</b>	B.Sc; M Sp Path	Speech Pathologist	Aphasia
<b>Alice Pender</b>	B. Sc.(Biomedicine), M. Aud. Studies	Senior Audiologist	Audiology
<b>Anna Farrell</b>	B.Sp.Path (Hons), PhD	Speech Pathology Team Leader (Neuro-rehab)	Aphasia; Adult Motor Speech Disorders; Dysphagia; Rehabilitation
<b>Anna Rumbach</b>	B. Sc (Hons); M Sp.Path; PhD	Lecturer, School of Health and Rehabilitation Sciences, The University of Queensland	Dysphagia associated with Thermal Burns
<b>Ann-Louise Spurgin (nee Morton)</b>	B Sp. Path. (Hons); Grad Cert in Management	Speech Pathology Team Leader (Cancer care)	Cancer care; Head and neck surgery
<b>Belinda Lehn</b>	B.SpThy	Senior Speech Pathologist	Cancer care
<b>Carla Rose</b>	B.A., M. Aud. Studies	Audiology Team Leader	Audiology
<b>Clare Burns</b>	B.Sp.Path; PhD Candidate	Speech Pathologist- Advanced	Telehealth; Cancer Care;
<b>Jane Crombie</b>	B. Sp. Path; Grad Cert Management	Speech Pathologist- Advanced	Telehealth; Cancer Care;
<b>Jennifer Helios</b>	B. Sp. Path (Hons)	Senior Speech Pathologist	Cancer Care
<b>Laura Moroney</b>	B. Sp. Path	Speech Pathologist	Cancer care

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Leisa Turkington</b>	B. App Sc(Sp Path), M. Sc; PhD Candidate	Senior Speech Pathologist;	Dysphagia
<b>Lynell Bassett</b>	B Sp. Thy	Director Speech Pathology and Audiology	Tracheostomy; Burns; Dysphagia
<b>Marita Plunkett</b>	B.Sp.Path (Hons)	Speech Pathology Clinical Educator	Clinical Education
<b>Penni Burfein</b>	B.Sp.Path	Speech Pathologist-Advanced	Aphasia; Rehabilitation
<b>Professor Elizabeth Ward</b>	B.Sp.Thy (Hons), PhD, Grad.Cert.Ed	Professor, Centre for Functioning and Health Research (CFAHR), Queensland Health and Conjoint Professor, School of Health and Rehabilitation Sciences, The University of Queensland	Head and Neck Cancer; Dysphagia associated with Thermal Burns; Telehealth and Telerehabilitation
<b>Rebecca Cremer</b>	B. Sp Path	Senior Speech Pathologist	Dysphagia
<b>Sarah Heaton</b>	B. Sp. Path	Speech Pathology Team Leader (Acute)	Dysphagia; Burns
<b>Sarah Wilson</b>		Speech Pathologist	Cancer care
<b>Sonia Baker</b>	B.Sp.Path	Speech Pathologist - Advanced	Tracheostomy; Critical care

## Supervised post-graduate research students

Name	Current studies University ; (duration)	Research topic
Burns, C.	PhD, UQ (2013-2016)	Telehealth; Cancer Care
Rohde, A.	PhD, UQ (2012-2016)	Assessment of Aphasia in Acute Stroke
Turkington, L.	PhD, UQ (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Burns, C., Ward, E., Hill, A., Keir, B., McGill, G.	Conducting instrumental assessments of adult dysphagia via telehealth: A pilot validation study	RBWH Foundation, Research Project Grant	\$26,414 (2014-2015)
Farrell, A., Rohde, A., Burfein, P., Wong, A., Skinner, G., Worrall, L.	Evidence-based identification of aphasia using a rational clinical examination approach	RBWH Foundation, Research Project Grant	\$56,792 (2014-2015)
Helios, J., Moroney, L., Burns, C., Spurgin, A.	Dysphagia outcomes in head and neck cancer patients undergoing tomotherapy	RBWH Foundation, Research Project Grant	\$26,429 (2014-2015)

# Cancer Care Services



**Dr Amanda Dines**  
Executive Director  
Cancer Care Services



**Gillian Nasato**  
Acting Nursing Director  
Cancer Care Services



**Prof Geoff Hill**  
Director of Research  
Cancer Care Services

## Overview and executive and directing staff

2014 represents a breakthrough year for research in Cancer Care Service (CCS) at RBWH. Under the leadership Prof Geoff Hill, our inaugural Director of Research and Dr Raymond Chan, Deputy Director, the Division has now established a multi-disciplinary advisory group encompassing Research Coordinators from streams of Haematology (Steven Lane), Clinical Trials (Jason Butler), Medical Oncology (Matt Burge), Radiation Oncology (Philip Chan), Radiation Physics (Scott Crowe), Pharmacy (Midori Nakagaki), Nursing (Nicole Gavin) and Allied Health (Clare Burns). The group now meets monthly with Departmental Heads to help coordinate research strategy across the CCS at RBWH. At the same time the Research team has organised the 2nd Biennial Excellence in Cancer Research Symposium, with an excellence program that showcases the clinical transitional, supportive care and health services research program at RBWH as well as the basic science and collaborative research program with our Herston and additional Brisbane Diamantina Health Partners.

At the G20 summit in November, researchers from the Clinical Haematology and Bone Marrow Transplant (BMT) Unit and QIMR Berghofer presented findings from a study published in the Lancet Oncology of first in class cytokine inhibition in BMT recipients. The study, conducted at RBWH, demonstrated a profound reduction in acute Graft-versus-Host Disease. This research has now progressed to a multi-site Australia wide phase III trial led by RBWH.

At a funding level there were at least 5 successful NHMRC project grants commencing this year in which RBWH CCS clinicians were chief investigators. Congratulations also Drs Ray Chan and Steven Lane who commence NHMRC Early Career and Career Development Fellowships respectively this year. Elise Button (O'Dell) won the Adem Crosby Haematology Nursing Award from the Leukaemia Foundation Queensland and Prof Hill was awarded the Translational Research Institute National Prize for Translational Research.

We were also successful in negotiating the challenges of participating in National Colorectal Cancer Database. The CCS continues to support the Brain Cancer Bank at QIMR Berghofer and we are planning to commence a novel, first in man, phase I study of EphA3 targeted antibody for Glioblastoma in conjunction with QIMR Berghofer. This therapeutic strategy is a direct result of studies utilizing the Bank. Finally we awarded eight Diamond Care Grants for research into women's cancer in the fields of endometrial, breast and cervical cancer. These seed grants were a direct outcome from the successful Weekend to End Women's Cancer which we hope will fertilize successful national grants.

We are especially proud of A/Prof Alanna Geary, Dr Ray Chan and Prof Patsy Yates from the Cancer Care Nursing Professorial Unit who were awarded the Premier's Award for Excellence in Leadership. The Cancer Nursing Professorial Precinct aims to create capacity for embedding research into clinical practice by bringing the brightest minds together. This strategic collaboration between cancer nurses at the Royal Brisbane and Women's Hospital, Metro North Hospital and Health Service, and the academics at Queensland University of Technology fosters innovation in a highly complex and challenging area of healthcare.

As we look to 2015 we strive to further expand research across the CCS within all divisions and in both our own investigator driven and pharmaceutical sponsored studies that lead to increased knowledge and improved outcomes for our patients.

## Key departments

- » Clinical Haematology and Bone Marrow Transplant Research Unit
- » Department of Medical Oncology
- » Department of Radiation Oncology
- » Queensland Haemophilia Centre
- » Nursing Cancer Care

## Executive and directing staff

**Dr Amanda Dines**  
Executive Director  
Cancer Care Services

**Gillian Nasato**  
Acting Nursing Director  
Cancer Care Services

**Prof Geoff Hill**  
Director of Research  
Cancer Care Services

**Assoc. Prof. Simon Durrant**  
Director  
Clinical Haematology and Bone Marrow Transplant

**Dr David Wyld**  
Director  
Medical Oncology

**Assoc. Prof. Graeme Dickie**  
Director  
Radiation Oncology

**Dr John Rowell**  
Director  
Queensland Haemophilia Centre

**Dr Raymond Chan**  
Nurse Research  
Deputy Director Research  
Cancer Care Services

# Department of Clinical Haematology and Bone Marrow Transplant Unit



**Assoc. Prof. Simon Durrant**  
Director  
Haematology and Bone  
Marrow Transplant Unit

## Overview

**About this service:** The Haematology and Bone Marrow Transplant Clinical Research Unit provides an exceptional research program for complex haematological malignancies including leukaemia, lymphoma and myeloma. This Department is the Clinical Haematology Referral Centre for the Central Zone, and the Bone Marrow Transplant Referral Centre for Queensland and is FACT accredited. In addition to clinical Haematology treatment, we provide:

- Autologous stem cell transplants
- Allogeneic stem cell and bone marrow transplants - related and unrelated
- Clinical trials (both in-house and pharmaceutical-sponsored) for haematology and transplant patients

The unit conducts a wide range of innovative trials, Phase I to Phase IV, in the area of haematological malignancies. These trials include the testing of new therapeutic agents for the treatment of leukaemia, lymphoma and myeloma as well as improvements in the outcome of bone marrow transplantation and ongoing participation in the development of novel treatments. There is an ongoing collaboration between departmental clinical staff and the QIMR Berghofer Medical Research Institute which corresponds to an improved ability to develop and participate in translational research programs.

The QIMR Berghofer Bone Marrow Transplantation laboratory uses preclinical transplant models to dissect the immunological mechanisms of transplant rejection and aims to improve patient outcome through new therapies to prevent and treat graft-versus-host disease (GVHD). Research focuses on pathways of alloreactivity leading to GVHD and graft-versus-leukaemia (GVL) effects. The ultimate aim is to generate testable therapeutic interventions that attenuate GVHD and improve GVL.

## Highlights of 2014:

- The interleukin-17 family of cytokines as mediators of transplant outcome
- Mechanisms of antigen presentation after transplantation
- Immunological mechanisms of leukaemia and myeloma eradication after transplantation
- Administration of an IL-6R antibody to prevent GVHD in clinical bone marrow transplant (BMT) recipients
- The treatment of steroid refractory acute GVHD with CD52 targeted Ab and TNF antagonists
- The use of type I interferons in preclinical and clinical BMT to improve the eradication of leukaemia
- The use of suicide gene-transfected effector after clinical haplo-identical BMT
- The use of induced regulatory T cells to treat clinical chronic GVHD
- Evaluating the effect of blinatumomab on overall survival when compared to standard of care chemotherapy
- Establish the maximum tolerated dose and/or recommended phase II dose of the combination of INC424 and BKM120 and evaluate the safety of the oral co-administration of INC424 and BKM120 in patients with myelofibrosis
- The efficacy of the Bite Antibody Blinatumomab Versus Standard of Care Chemotherapy
- Sorafenib in combination with intensive chemotherapy for previously untreated adult FLT3-ITD Positive AML
- Idelalisib in combination with Rituximab in patients with previously untreated chronic lymphocytic leukemia with 17p deletion
- Momelotinib vs Ruxolitinib in subjects with primary myelofibrosis
- The efficacy of bendamustine compared to treatment of physicians choice in the treatment of subjects with indolent Non-Hodgkin's Lymphoma
- Australasian Leukaemia and Lymphoma Group Acute Myeloid Leukaemia Registry

**Benefits for clinical practice:** Researchers are involved at every stage of the process of Cancer Care Research in our service: from discovery of molecules and trialling new therapies to researching the best supportive care for patients receiving treatment and novel methods for communicating with patients.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof. Andrew Boyd</b>	B. Med.Sc., MBBS, Ph.D., FRACP	Consultant Haematologist, Professor of Experimental Haematology, University of Queensland Senior Principal Research Fellow, QIMR Berghofer Medical Research Institute	
<b>Dr Jason Butler</b>	MBBS, FRACP, FRCPA, M.Med. Sci (Clin Epid)(Newcastle)	Clinical Haematologist and Bone Marrow Transplant Staff Specialist	Clinical haematology, bone marrow transplant
<b>Dr Cameron Curley</b>	MBBS, FRACP, FRCPA	Staff Specialist, Haematology and Bone Marrow Transplant	Clinical haematology and bone marrow transplant
<b>Assoc. Prof. Simon Durrant</b>	MRCS, LRCP, MBBS, FRCP, FRCPath	Director, Haematology and Bone Marrow Transplant Unit Assoc. Prof. Medicine, UQ	
<b>Dr Ann Gillett</b>	MBBS, FRACP, FRCPA	Consultant Haematologist	
<b>Prof. Geoff Hill</b>	BHB, MBChB, FRACP, FRCPA, MD	Clinical Haematologist and Bone Marrow Transplant Staff Specialist Head of Department, Division of Immunology, QIMR Berghofer Medical Research Institute Professor, UQ and Griffith University	
<b>Assoc. Prof. Glen Kennedy</b>	MBBS (Hons), FRACP, FRCPA	Deputy Director, Haematology and Bone Marrow Transplant Unit Visiting Scientist, QIMR Berghofer Medical Research Institute	
<b>Dr Steven Lane</b>	MBBS, FRACP, FRCPA, FRCP, RCPA	Consultant Haematologist, Haematology and Bone Marrow Transplant Team Head, Translational Leukaemia Research Laboratory, QIMR Berghofer Medical Research Institute	Clinical haematology and bone marrow transplant
<b>Dr Ashish Misra</b>	MBBS, FRACP, FRCPA	Staff Specialist, Haematology and Bone Marrow Transplant	Clinical haematology, bone marrow transplant
<b>Dr Kirk Morris</b>	MBBS, FRACP, FRCPA	Senior Medical Officer, Clinical and Laboratory Haematology	Clinical Haematology
<b>Dr James Morton</b>	MMS (Epidemiology), MBBS, FRACP, FRCPA (Haematology)	Clinical Haematologist and Bone Marrow Transplant Staff Specialist	Clinical haematology, bone marrow transplant
<b>Dr Elango Subramonia Pillai</b>	MBBS, FRACP, FRCPA	Consultant Haematologist, Haematology and Bone Marrow Transplant	Clinical haematology, bone marrow transplant
<b>Dr Siok Tey</b>	MBBS, FRACP, FRCPA	Clinical Haematologist and Bone Marrow Transplant Staff Specialist Senior Research Officer, Bone Marrow Transplant Laboratory, QIMR Berghofer Medical Research Institute Senior Lecturer, School of Medicine, University of Queensland	Clinical haematology, bone marrow transplant
<b>Dr Nicholas Weber</b>	MBBS, FRACP, FRCPA	Clinical Fellow, Haematology and Bone Marrow Transplant	Clinical haematology & bone marrow transplant
<b>Robyn Western</b>	RN, BHLthSc (Nursing), Grad Cert (Clinical Data Management)	Clinical Trial Manager	
<b>Renee Campbell</b>	BN, BBiomedSci	Clinical Trial Coordinator	
<b>Madonna Fuery</b>	RN, BA	Clinical Trial Coordinator	
<b>Justine Leach</b>	BN, BAppSci	Clinical Trial Coordinator	
<b>Carolyne Little</b>	RN	Clinical Trial Coordinator	
<b>Angela McLean</b>	BN, DipAppSci (Biology)	Clinical Trial Coordinator	
<b>Tricia Pusztai</b>	BN	Clinical Trial Coordinator	

## Awards and achievements

Award	Event	Recipient
National Research Prize for Translational Research	Translational Research Institute Translation Symposium	Prof. Geoff Hill

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Boyd, A.W., Reynolds, B.	EphA3 is a marker of glioma stem/progenitor cells and a potential target for therapy	NHMRC	\$560,000 (2010-2014)
Boyd, A.W.	EphA3 as a target in leukaemia and other cancers.	Kalobios Inc	\$240,000 (2012-2014)
Hill, G.R.	QLD Health Senior Clinical Research Fellowship	QLD Health	\$4,250,000 (2010-2014)
Hill, G.R.	NHMRC Australia Fellowship	NHMRC	\$4,000,000 (2011-2015)
Hill, G.R., MacDonald, K.P., Tey, S.	IL-6 and GVHD	NHMRC Project grant	\$572,562 (2014-2016)
Johns, T., Boyd, A.W., McDonald, K.	An integrated systems biology approach for the development of new therapeutic strategies for the treatment of high grade glioma	NHMRC	\$673,500 (2012-2014)
Kennedy, G.	AI on APP1061252 Microtransplantation study	NHMRC	\$151,149 (2014-2015)
Khanna, R., Hill, G.R., Tey, S.K.	Developing personalized immunotherapies	QIMRB Ride To Conquer Cancer Flagship Grant	\$1,200,000 (2012-2015)
Khanna, R., Hill, G.R., Tey, S.	Developing personalized immunotherapies	RTCC Flagship grant	\$1,200,000 (2012-2015)
Lane, S.	Starving Stem Cells	NHMRC Project Grant (CIA)	\$484,000 (2014-2016)
Lane, S.	EGFR and MET signalling in MPN	NHMRC Project Grant (CIB)	\$585,000 (2014-2016)
Lane, S.	Career Development Fellowship	NHMRC	\$280,000 (2014-2017)
Lane, S.	Targeting telomerase in AML	Cancer Australia	\$100,000 (2014)
Lane, S.	IL17 mobilisation in stem cells	Leukaemia Foundation Queensland	\$100,000 (2014)
Piper, M., Richards, L., Boyd, A.W., Bailey, T.	Nfib regulates glial differentiation during development and disease via repression of the key epigenetic protein, Ezh2	NHMRC	\$553,650 (2012-2014)
S Rose, S., Boyd, A.W., Fisk, N., Thomas, P.	The development of innovative multiplexed molecular imaging technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC	\$389,910 (2012-2014)

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## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Tey, S.	Cell therapy to prevent and treat graft-versus-host disease after allogeneic haematopoietic stem cell transplantation	NHMRC	\$359,564 (2013-2016)
Tey, S.K.	Inducible caspase 9 suicide gene to improve the safety of donor T cell addback after haploidentical stem cell transplantation	NHMRC	\$545,681 (2013-2015)
Thomas, R., Hill, GR., Frazer, I., Brown, M., Degli-Eposti, M.	Immunotherapies for the treatment of disease	NHMRC Program grant	\$10,130,000 (2010-2014)
Wikstrom, M., Hill, GR., Degli-Esposti, M.	Interplays between anti-viral and allo-responses in the context of GVHD	Cancer Council WA	\$100,000 (2014)

# Department of Medical Oncology



**Dr David Wyld**  
Director  
Medical Oncology

## Overview

**About this service:** The Department of Medical Oncology provides clinical services to patients at the Royal Brisbane and Women's Hospital and The Prince Charles Hospital. It also acts as a major tertiary referral centre, including providing outreach clinics to Rockhampton, Hervey Bay and Bundaberg.

The department has an ongoing, active clinical research program.

We are currently involved in approximately 80 Clinical Trials. These include RBWH specific Investigator initiated Studies, large international studies and studies conducted as part of Australian cooperative cancer-trials groups, (such as the ANZ Breast Cancer Trials Group, the ANZ Gastro-Intestinal Trials Group, the ANZ Lung Cancer Trials Group, The Australian and New Zealand Urogenital and Prostate cancer Trials group and the ANZ Gynaecology-Oncology Group and the Cooperative Trials Group for Neuro-Oncology (COGNO). The worth of our clinical trials program is acknowledged by the Queensland Cancer Fund, which provides funding for research staff on the basis of demonstrated accrual to approved, unfunded randomised Phase II and III studies.

Several clinical staff from the unit also have broader roles within Australasian collaborative cancer trials groups, including membership of executive committees, roles as Australian PIs for national studies, positions on individual Australia-wide trial management committees and on trial data monitoring and safety committees.

There is ongoing collaboration between departmental clinical staff and other institutions such as the Queensland Institute of Medical Research (QIMR Berghofer) and TCPH, The University of Queensland and QUT, enhancing the unit's ability to develop and participate in translational research programs.

**Highlights of 2014:** Notable achievements in the last 12 months include several publications from ongoing research in the area of Head and Neck cancer lead by Brett Hughes, as well as the development of a research program (in collaboration with leading Health Sociologists from the University of Queensland and UNSW) focusing specifically on understanding and improving the patients' cancer experience, led by Zarnie Lwin.

I would like to specifically acknowledge two of the Medical Oncology team for their award winning presentations at National Oncology Conferences in 2014. Dr Matthew Burge's Best Poster Award at the Australasian Gastrointestinal Trials Group annual meeting, "A prospective, single institution study of the impact of Fluorodeoxyglucose (FDG) positron Emission Tomography with concurrent non-contract CT scanning (PET/CT) on the management of operable Pancreatic, Ampullary or Distal Bile Duct cancer." was a study entirely devised and conducted at RBWH, involving collaboration between Cancer Care Services, the Hepatobiliary Surgical Unit, and Nuclear Medicine Departments, coordinated by Dr Burge.



## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr David Wyld</b>	MBBS (Hons), FRACP	Director Medical Oncology	Gastro-intestinal, neuroendocrine
<b>Dr Melissa Eastgate</b>	MBBS FRACP	Deputy Director Medical Oncology	Gastro-intestinal, melanoma
<b>Assoc. Prof. Brett Hughes</b>	BSc(Med), MBBS(Hons), FRACP	Clinical Director Oncology TPOCH Staff Specialist RBWH	Lung, mesothelioma, head and neck, thyroid
<b>Dr Geoffrey Beadle</b>	MBBS FRACP FRACR	Staff Specialist	Breast cancer
<b>Dr Matthew Burge</b>	MB ChB FRACP	Staff Specialist	Gastro-intestinal, phase I studies
<b>Dr Michelle Nottage</b>	MBChB FRACP	Staff Specialist	Breast, head and neck cancers
<b>Dr Po-Ling Inglis</b>	MBBS, B Sc(Molecular Biology), FRACP	Staff Specialist	Breast, lung, central nervous system
<b>Dr Jeffrey Goh</b>	MBBS FRACP	Staff Specialist	Gynaecology, genitourinary, gastro-intestinal cancer
<b>Dr Alison Hadley</b>	MBBS (Hons) MMed (Clin Epi) FRACP	Staff Specialist	Gynaecology, breast, genitourinary, gastro-intestinal cancer
<b>Dr Zarnie Lwin</b>	MBBS (Burma), FCP (South Africa), FRACP	Staff Specialist	Central nervous system, lung, health services research, psychosocial research
<b>Dr Aneta Suder</b>	MBChB, FRACP	Staff Specialist	Gynaecology, urogenital oncology
<b>Annette Cubitt</b>	RN, Grad Cert. (Clinical Trials Management), CCRP	Clinical Trials Manager	
<b>Jenny Campbell</b>	RN, BSc(Nursing)	Clinical Trial Coordinator	
<b>Andrea McKenzie</b>	EEN	Clinical Trial Coordinator	
<b>Erin Purdon</b>	RN, BN GC Cancer Nursing	Clinical Trial Coordinator	
<b>Natasha Roberts</b>	BN(Hons)	Clinical Trial Coordinator	
<b>Amy Ives</b>	BN AssocSc N	Clinical Trial Coordinator	
<b>Chrissy Fletcher</b>	RN, BA	Clinical Trial Coordinator	
<b>Wendy Pritchard</b>	RGN (UKCC), BSc Hons in Nursing Practice - Cancer	Clinical Trial Coordinator	
<b>Josie Clayton</b>	RN, Dip. Nursing	Clinical Trial Coordinator	
<b>Amii Gibson</b>	BN	Clinical Trial Coordinator	
<b>David Hickey</b>	BAppSc	Clinical Trial Coordinator	
<b>Victoria Holt</b>	BA (Hons), Grad Dip Lib Stud	Research/Admin Assistant	
<b>Danni Church</b>			Administration Officer

## Awards and Achievements

Award	Event	Recipient
Best Consultant Abstract and Poster Award	Medical Oncology Group of Australia Annual Scientific Meeting	Dr Zarnie Lwin
Best of New Concepts Symposium Award	Australasian Gastrointestinal Trials Group Annual Meeting	Dr Matthew Burge
Best Poster Award	Australasian Gastrointestinal Trials Group Annual Meeting	Dr Matthew Burge

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Anderson, D., McCarthy, A., Yates, P., Chan, R., Turner, J., Tjondronegoro, D., Seib, C., Porter-Steele, J., Inglis, P., Goh, J.	Younger Women's Wellness after Cancer Program: A Pilot Study.	RBWH Foundation Diamond Care Grant	\$90,000 (2014-2015)
Burge, M.	Metastatic Colorectal Cancer Database	RBWH Research Advisory Committee	\$50,000 (2014)
Chan, R., Russell, E., Marsh, N., Wyld, D., Allworth, A., Atkinson, T., Gavin, N., Flynn, J., Keogh, S., Rickard, C.	Central venous Access device SeCurement And Dressing Effectiveness in Cancer Care: The CASCADE Trial.	RBWH Foundation	\$40,000 (2014-2015)
Chan, R., Yates, P., Turner, J., Hughes, B.	Development and evaluation of a nurse-led tailored self-management behavioural intervention for managing distressing symptoms in patients with advanced cancer (The SM2 study)	NHMRC and RBWH Foundations	\$199,724 (2013-2017)
Eastgate, M.	Outreach oncology services survey	RBWH Foundation	\$1,000 (2014-2015)
Gan, H., Scott, A., Boyd, A., Day, B., Stringer, B., Lwin, Z., Inglis, P., Khasraw, M., Rosenthal, M., Thomas, P.	A Phase 1 and Biodistribution Study of KB004 (an anti-EphA3 antibody) in Patients with Glioblastoma.	Cure Brain Cancer Research Grant	\$500,000 (2014)
Goh, J.	A phase II / pilot study of neo-adjuvant chemotherapy with the aim of fertility preserving surgery for large stage IB1 cervical cancer	RBWH Foundation	\$50,000 (2014-2015)
Helios, J., Moroney, L., Burns, C., Spurgin, A., Ward, J., Kenny, L., Hughes, B., Blake, C.	Dysphagia outcomes in head and neck cancer patients undergoing Tomotherapy.	RBWH Foundation	\$26,429 (2014)
Hughes, B.	NITRO: a randomised phase 3 trial of adding nitroglycerin to first line chemotherapy for advanced non-small cell lung cancer	Grant	\$487,973.54 (2014)
Khasraw, M., Simes, J., Rosenthal, M., Koh, ES., McDonald, K., Livingstone, A., Hovey, Drummond, K., Gan, HK., Leonard, R., Foote, M., Barnes, L.	VERTU-Veliparib, Radiotherapy and Temozolomide trial in newly diagnosed Unmethylated MGMT Glioblastoma	Cure Brain Cancer Research Grant	\$500,000 (2014)
Lwin, Z., Wyld, D., Cubitt, A., Adams, J., Broom, A., Kirby, E., Eastgate, M., Burge, M., Ives, A., Roberts, N., Stevens, E	Understanding and improving social support amongst women with cancer: a qualitative study	RBWH Foundation	\$100,000 (2014-2015)
Turner, J., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors	NHMRC	\$476,074 (2013-2016)

# Department of Radiation Oncology

## Overview



**Assoc. Prof. Graeme Dickie**  
Director  
Radiation Oncology

**About this service:** The Radiation Oncology Department provided radiotherapy services for patients from a wide geographic area. In addition to patients from metro north, the department provided service to the Royal Children's Hospital, with outreach clinics at Rockhampton, Longreach, Hervey Bay, Maryborough, Bundaberg, Prince Charles, Redcliffe and Caboolture Hospitals.

**Highlights of 2014:** In 2014 the linear accelerators were all replaced with the latest technology using new radiotherapy techniques and verification systems. The quality assurance processes required for such technology provide a valuable opportunity for physics research, with a number of investigator initiated projects underway.

It has been a productive year for cancer research in Radiation Oncology at Royal Brisbane and Women's Hospital. Our core clinical research activity continues in concert with the busy clinical department.

We are grateful for our donors including the Cancer Council of Queensland who continue to make funds available to support our work. We are particularly proud of our success in highly competitive National Health and Medical Research Council (NHMRC) grants. Over the last few years the trials program has progressed from largely retrospective investigator initiated trials to more translational and prospective projects.

**Benefits for clinical practice:** Our research aims to advance the benefits that radiation oncology can provide to patients with cancer seeking to improve their quality of life by shortening treatment times and succeeding in higher cancer cure rates.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Assoc Prof Graeme Dickie</b>	MBBS, MBA, FRACP, FRANZCR	Director - Radiation Oncology	Radiation oncology
<b>Assoc Prof Roger Allison</b>	MBBS, MRCP, FRCR, FRANZCR, FACHPM	Staff Specialist	Radiation oncology, paediatric
<b>Dr Catherine Bettington</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Philip Chan</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Robyn Cheuk</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology, paediatric
<b>Dr Michael Fay</b>	MBChB, FRACP, FRANZCR	Staff Specialist	Radiation oncology, brain tumours, research
<b>Dr Michelle Grogan</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Lizbeth Kenny</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Charles Lin</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Gary Pratt</b>	MBBS, FRANZCR	Staff Specialist	Radiation oncology
<b>Dr Sue Whitaker</b>	MBChB, DMRT, FRCR, FRANZCR	Staff Specialist	Radiation oncology
<b>Lee Tripcony</b>	BSc	Principal Clinical Scientist Statistics	Database, statistics
<b>Jacqui Keller</b>	BBus(HIM)	Manager Clinical Trials	Research, clinical trials
<b>Jennifer Edmunds</b>	RN, BHSc	Clinical Trial Coordinator	Research, clinical trials
<b>Rebecca Pincus</b>	RN, BN, Grad Cert CDM	Clinical Trial Coordinator	Research, clinical trials
<b>Charmaine Mickelwright</b>		Research Assistant	Research, clinical trials
<b>Greg Rattray</b>	BApp Sc(MRT), Grad.Cert. HMgt (QH), FIR	Director – Radiation Therapy	Radiation therapy
<b>Jasmine Baker</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Jemma Blyth</b>	Dip.App Sc RT, Grad.Cert. HMgt	Assistant Director - Radiation Therapy	Radiation therapy
<b>Melissa Borean</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Daniel Bryant</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Kevina Chroma</b>	M HSc MRS, Grad.Dip. HMgt	Radiation Therapist - Advanced	Radiation therapy
<b>Stacey Cooke</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
<b>Jemma Devereaux</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Shayne Etherton</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Selina Harris</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Marika Lathouras</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Brianna McCoola</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Rob McDowall</b>	Grad.Cert. HMgt (QH), Dip.App Sc RT	Senior Radiation Therapist - Planning	Radiation therapy
<b>Janine Miles</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
<b>Catherine Moreno</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Julie-Anne Outhwaite</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
<b>Anthony Pagidas</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Michelle Ralston</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
<b>Louise Scott</b>	Dip.App Sc RT	Senior Radiation Therapist	Radiation therapy
<b>Kathy Vidler</b>	Dip.App Sc RT	Radiation Therapist	Radiation therapy
<b>Christopher Walsh</b>	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
<b>Calum Rae</b>	BApp Sc (RT)	Radiation Therapist	Radiation therapy
<b>Steven Sylvander</b>	BSc, MSc	Director Medical Physics	Radiation therapy, radiation physics, dosimetry
<b>Dr Phil Back</b>	BSc, MSc, PhD	Principal Physicist	Radiation therapy, radiation physics, dosimetry
<b>Zoe Baldwin</b>	BMRP	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
<b>Diana Binny</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Adj A/Prof Scott Crowe</b>	BSc, BIT, PhD	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
<b>Alastair Dick</b>	BSc, MSc	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
<b>Robert Fitchew</b>	BSc(Hons), MSc	Deputy Director Medical Physics	Radiation therapy, radiation physics, dosimetry
<b>Kirby Francis</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Craig Lancaster</b>	BSc, Grad. Dip Med Phys	Physicist - Advanced	Radiation therapy, radiation physics, dosimetry
<b>Alexander Livingstone</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Dr Christopher Poole</b>	BEng, MSc, PhD	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Chaitanya Veeranki</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Rachael Wilks</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
<b>Nancy Yu</b>	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry

## Supervised post-graduate research students

Name	Current studies	Research topic
Asena, A.	PhD	Dose distributions in the vicinity of high-density materials in radiotherapy
Charles, P.	PhD	Very small field dosimetry in radiotherapy
Dancewicz, O.	PhD	Development and verification of a novel 3D dosimetry technique for TomoTherapy
Fay, M.	PhD	Application of functional imaging in brain tumours
Livingstone, A.	MSc	3D optical scanning Presage Gel
Morales, J.	PhD	Independent Monte Carlo analysis for stereotactic radiosurgery treatments
Rajesh, Y.	PhD	Monte Carlo modelling of radiation therapy treatments
Smith, S.	PhD	Development of three-dimensional dosimetry for radiotherapy

## Awards and achievements

Award	Event	Recipient
The Bob Fitchew Award	ACPSEM-Q	Award named after Robert Fitchew for physics

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Rose, S., Kenny, L., Fay, M., Fisk, N. et al.	Australian Cancer Research Foundation Molecular Oncology Translational Imaging Facility	Australian Cancer Research Foundation	\$2,000,000 (2012-2014)
Schofield, P., Aranda, S., Juraskova, I., Mileshekin, L., Krishnasamy, M., White, K., (Cheuk R – AI)	A nurse led psychosocial intervention with peer support to reduce needs in women being treated with radiotherapy for gynaecological cancer: A RCT	NHMRC	\$1,133, 411 (2011-2014)
Turner, M., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors (ENHANCE)	NHMRC	\$476,074 (2013-2016)
Kenny, L.	MIM Maestro Deformable Registration. Deformable registration software allows for elastic accurate registration of PET/CT, contrast CT, CBCT/MVCT, MRI dose and contour objects onto radiation treatment planning CT scans to facilitate accurate delineation of the volume of cancer requiring radiation treatment along with dose accumulation for adaptive treatment or instances of recurrence	NTFEP	\$473,000 (2015-2017)
Rose, S., Boyd, A., Whittaker, A., Thomas, P., Fay, M., Fisk, N.	The development of innovative Multiplexed Molecular Imaging Technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC	\$389,925 (2012-2015)
Sylvander, S.	Radiation Oncology Workforce Program 2014	The Commonwealth (Department of Health) program	\$206,500 (2014-2017)

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Lakhani, S., Trench, G., Ung, O., Khanna, K., Jeffree, R., Green, B., Kenny, L., Simpson, P., McCart, Reed, A., Saunus, J., Al-Ejeh, F.	Support for the Brisbane Breast Bank. Expansion of the Brisbane Breast Bank: a prospective study developing biomarkers of response and recurrence	RBWH Foundation administered through UQ and QIMRB	\$200,000 (2014-2015)
Nilsson, S.	Octavius 2 on Tomotherapy	RBWH PPTF	\$72,346 (2013-2014)
Sylvander, S.	Presage Gel and Vista Scanner	RBWH PPTF	\$68,791 (2013-2014)
Dickie, GJ.	QCOG Cancer Clinical Trial Data Manager Grant	Queensland Clinical Oncology Group	\$40,079.29 (2014)
Thomas, P., Dickie, G.	A Pilot Project on the impact of PSMA PET on radiotherapy planning in high risk prostate cancer	Research Advisory Committee	\$40,000 (2014-2015)
Blyth, J., Outhwaite, J.	Val Lok bags for the stabilisation and Radiation treatment of Breast Cancer patients	RBWH Foundation-Walk to End Women's Cancer-Diamond Care Grants	\$27,000 (2014)
Yu, N.	Improvements to Monte Carlo models with improved Linac measurements	PPTF	\$25,328 (*2013-2014)
Gogna, K., Bettington, C.	A single arm, prospective Phase II study of Split-Course Pelvic Radiotherapy for Locally Progressive, Castrate Resistant Prostate Cancer	RANZCR - Ferring Pharmaceuticals Grant	\$25,000 (2014-2017)
Golusin, N.	Vaccum Cushion for head and neck cancer	Gambling Community Benefit Fund Grant	\$17,000 (2014)
Bettington, C.	A single arm prospective study of the effect of preoperative chemoradiotherapy on sexual dysfunction in men with locally advanced rectal cancer	RANZCR Research Grant	\$10,000 (2012-2016)
Sylvander, S.	TruView - Ferrous-Xylenol Orange. Support of project - provision of gels	Modus Inc	\$5,000 (2014-2015)
Pagidas, A.	IMRT Prostate patient stabilisation: Vak Lok bags to assist in an evaluation study of stabilisation techniques for prostate patients receiving IMRT treatment.	RBWH Foundation – Cancer Care Fund	\$2,000 (2014)
Outhwaite, J.	Teddy Bears, which were used as an important part of explaining and comforting children receiving radiation treatment.	RBWH Foundation – Cancer Care Fund	\$1,000 (2014)

# Queensland Haemophilia Centre



**Dr John Rowell**  
Director  
Pathology Queensland and  
Queensland Haemophilia  
Centre

## Overview

**About this service:** The Queensland Haemophilia Centre is a state-wide service based at the Royal Brisbane and Women's Hospital (RBWH). The centre provides comprehensive care for those with haemophilia and other inherited bleeding disorders. Designated staff provide medical, nursing, physiotherapy and social work input into patient care. This includes specialised support including diagnosis, factor replacement therapy, musculo-skeletal and orthopaedic assessment and management, care and support in relation to blood-borne viruses, genetic counselling and psychosocial support.

**Highlights of 2014:** A large focus of this year was the World Federation of Haemophilia Congress that was held for the first time in Australia.

**Benefits for clinical practice:** The Queensland Haemophilia Centre based at the Royal Brisbane and Women's Hospital (RBWH) endeavours to attract more research and new initiatives to increase the clinical care and this special research community so that health improvements can be discovered which will help people living with this chronic and potentially disabling disorder.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr John Rowell</b>	MBBS FRCPA MBA	Director Haematology – Pathology Queensland and Queensland Haemophilia Centre, CCS	
<b>Ms Beryl Zeissink</b>	RN MNurs MSc (GenetCouns)	Clinical Nurse Consultant – Queensland Haemophilia Centre	
<b>Ms Olivia Hollingdrake</b>	RN Grad Cert (Onc Nursing) Grad Cert (Public Health)	Clinical Nurse – Queensland Haemophilia Centre	
<b>Ms Maureen Spilsbury</b>	B. Social Work (Honours)	Advanced Social Worker – Queensland Haemophilia Centre	Psychosocial aspects of Inherited Bleeding Disorders
<b>Dr Desdemona Chong</b>	B. Soc. Sci (Honours), D. Psych	Advanced Psychologist – Qld Haemophilia Centre	
<b>Dr Moana Harlen</b>	B. Ed., B Behav. Sci, B. Psych (Hons), D. Psych	Snr Psychologist Haemophilia – Qld Haemophilia Centre	

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Zeissink, B., Hollingdrake, O.	Education for an Aging Haemophilia Population	Novo Nordisk	\$18,172 (2014-2015)

# Department of Nursing (Cancer Care Services)



**Gillian Nasato**  
Acting Nursing Director  
Cancer Care Services

## Overview

**About this service:** The nursing team comprises of 257 nursing staff, providing quality nursing care across the Clinical Haematology and Bone Marrow Transplant Unit, the Departments of Medical Oncology, the Department of Radiation Oncology and the Queensland haemophilia Centre. The growing demand of cancer care has presented a challenge for the nursing profession in its workload, workforce issues, and most importantly the need to provide innovative and cost-effective nursing care. Cancer nurses play an important and unique role in responding to the needs of people affected by cancer throughout the continuum of care, from prevention to survivorship, end-of-life care and bereavement.

The nursing research team was established in 2008 to provide an infrastructure for research and innovation and to ensure that our nursing care is work-class. The team is involved in national and international supportive cancer care research including a number of NHMRC funded projects. In 2013, the Cancer Nursing Professorial Precinct was established, which is a strategic initiative of Cancer Care Services, RBWH and the School of Nursing, QUT. Throughout our strong collaboration with QUT and other research partners, the precinct seeks to further improve outcomes for people affected by cancer through high quality clinical research and the delivery of evidence-based nursing care.

**Highlights of 2014:** The highlight of 2014 was the Cancer Care nursing group receiving the Queensland Government Premier Award for Excellence in Leadership. This was one of a number of awards recognising the valuable research conducted in Cancer Care by nurses. During the year, several nurses commenced high degree research courses and were awarded competitive scholarships. Other highlights include the commencement or continuation of a number of multidisciplinary, nurse-led studies in Cancer Care including the Central venous catheter SeCurement And Dressing Evaluation: The CASCADE Trial and the Younger Women's Wellness After Cancer Program.

**Benefits for clinical practice:** Cancer Care nurses at the RBWH are involved in research in a range of areas including intravenous access devices, prevention of blood stream infections, symptom management, survivorship care and palliative care. Additionally, Cancer Care Services has a strong culture of nurses pursuing post-graduate study and high degree research enabling excellence in delivery of nursing care. Each research project is patient-centred and seeks to improve the care of patients in clinical practice and foster an environment of excellence. An example of the impact of Cancer Care nursing research on clinical is the publication of findings of the Moogoo Trial in the International Journal of Radiation Oncology Biology Physics. This publication has directly informed care of cancer patients who develop distressing skin reactions as a side effect of their radiation treatment.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Raymond Chan</b>	RN, BN, MAppSc, PhD, FACN	Nurse Researcher and Deputy Director Research; Senior Research Fellow, QUT; Adjunct Associated Professor, Griffith University	Health services research/ symptom management/palliative care/ survivorship cancer care/ vascular access
<b>Elise Button</b>	RN, BN, MAP(Hons)	Clinical Nurse (Research)	Palliative care/Late effects/Post treatment complications
<b>Peter Hancock</b>	RN, BN, MN(Cancer Nursing)	Clinical Nurse (Research)	Vascular access
<b>Sarah Northfield</b>	RN, BN, GradCert(Cancer Nursing)	Clinical Nurse (Research)	Vascular access/palliative care
<b>Alison Thomas</b>	RN, BN	Registered Nurse	Survivorship care

## Supervised post-graduate research students

Name	Current studies	Research topic
Button, E.	PhD	Identification of palliative care needs in patients with a haematological malignancy
Flynn, J.	Master of Advanced Practice	Sterile versus aseptic non-touch technique for bung changes
Gavin, N.	PhD	The effect of parenteral nutrition on microbial growth and its influence on catheter-related blood stream infections in patients with a central venous access device
Larsen, E.	Graduate Diploma of Health Care Research	The Patient experience of peripheral IV insertion within a tertiary Hospital setting: The PINch Study

## Supervised post-graduate research students

Name	Current studies	Research topic
Northfield, S.	Master of Applied Science (Research)	Identifying the factors that influence the referral decision-making process when considering specialist palliative care services for hospitalised patients with advanced cancer
Savage, K.	Master of Applied Science (Research)	Palliative care education for nurses caring for patients with a haematological malignancy

## Awards and achievements

Award	Event	Recipient
Adem Crosby Haematology Nursing Award	Leukaemia Foundation	Button, E.
Best Clinical Research Paper 2014	Cancer Nurses Society of Australia Annual Congress	Chan, R.
Cecilia Brazil Nursing Research Award 2014	Royal Brisbane and Women's Hospital	Chan, R.
Highly Commended	Griffith University Health Group Three Minute Thesis	Gavin, N.
NHMRC Health Professional Research Fellowship	NHMRC	Chan, R.
Outstanding Young Alumnus of the Year 2014	Queensland University of Technology	Chan, R.
Outstanding Doctoral Thesis Award 2014	Queensland University of Technology	Chan, R.
PhD Scholarship	NHMRC Centre for Research Excellence for End of Life Care	Button, E.
PhD Scholarship	RBWH Foundation	Button, E.
PhD Scholarship	NHMRC Centre for Research Excellence in Nursing	Gavin, N.
PhD Scholarship	RBWH Foundation	Gavin, N.
Queensland Government Premier Award-Excellence in Leadership	Queensland Government Premier Award	Geary, A., Chan, R., Yates, P.
Rhoads Research Foundation	American Society of Parenteral and Enteral Nutrition	Gavin, N.
Queensland Government Premier Award-Excellence in Leadership	Queensland Government Premier Award	Geary, A., Chan, R., Yates, P.
Post-doctoral Fellowship	RBWH Foundation	Chan, R.

## Research grants

Investigators RBWH staff; bold, this department	Project title	Granting body and scheme	Amount awarded (years)
Anderson, D., Yates, P., McCarthy, A., <b>Chan, R.</b> , Turner, J., Seib, C., Tjondronegoro, D.	Younger women's wellness after cancer program	RBWH Foundation	\$90,000 (2014-2015)
Button, E.	Predictors of haematology and Bone Marrow Transplant patients nearing the end of life	NHMRC Centre for Research Excellence for End of Life Care	\$106,176 (2014-2016)
<b>Chan, R.</b> , Russell, E., Marsh, N., Allworth, A., Atkinson, T., <b>Gavin, N.</b> , <b>Flynn, J.</b> , Keogh, S., Rickard, C.	Central venous catheter Securement and Dressing Evaluation: The CASCADE Trial	Royal Brisbane and Women's Hospital Foundation	\$40,000 (2014)

## Research grants

Investigators RBWH staff; bold, this department	Project title	Granting body and scheme	Amount awarded (years)
<b>Chan, R.</b>	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer.	NHMRC	\$155,298 (2014-2017)
<b>Chan, R.</b>	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer	RBWH Foundation	\$44,426 (2014)
Choudhury, M., Rickard, C., McMillan, D., <b>Chan, R.</b> ,	CHEERS: the CHlorhexidine ReSistance Study.	Griffith Health Institute	\$14,000 (2014-2015)
Gavin, N.	The effect of parenteral nutrition on microbial growth and its influence on catheter-related blood stream infections in patients with a central venous access device	NHMRC Centre for Research Excellence in Nursing	\$96,000 (2012-2014)
McMillan, D., Choudhury, M., Rickard, C., <b>Chan, R.</b>	Emergence of Chlorhexidine Tolerance in Bacteria associated with Catheter Related Infections	University of Sunshine Coast	\$10,000 (2014-2015)
Mollee, P., Kennedy, G., Looke, D., Van Kulenburg, A., <b>Geary, A.</b>	Catheter-associated bloodstream infections in adults with cancer: a prospective randomised controlled trial.	NHMRC Project	\$86,658 (2012-2014)
Rickard, C., Webster, J., Young J., McMillan, D., Fraser, J., <b>Chan, R.</b>	The RSVP Trial: Replacement of Intravascular device administration sets after Standard Versus Prolonged use.	NHMRC Project	\$1,555,000 (2011-2014)
Turner, J., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., <b>Chan, R.</b>	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors.	NHMRC Project	\$476,074 (2013-2016)
<b>Wallace, A.</b> , Downs, E., Yates, P., <b>Chan, R.</b>	Provision of Survivorship Care for patients with a haematological malignant at completion of treatment: a single centre study and an Australian national study.	RBWH Foundation	\$500 (2014)

# Critical Care and Clinical Support Services



**Dr Robert Webb**  
Acting Executive Director  
Critical Care and Clinical  
Support Services



**Kerri McLeod**  
Nursing Director  
Critical Care and Clinical  
Support Services

## Overview

Critical Care and Clinical Support Services undertakes a variety of research, including clinical trial and laboratory research.

We have a commitment to undergraduate and postgraduate teaching and research and have developed strong links with The University of Queensland (UQ) and Queensland University of Technology (QUT).

Critical Care and Clinical Support Services actively participates in nursing evidence-based practice activities and undertakes nursing research. The nursing staff of the service line are currently involved in a number of nursing research projects, including multidisciplinary research activities.

## Key departments

Directorate including:

- » Admissions and Trust Office, Confirmation Centre
- » Centralised Specialist Outpatient Services/ Private Practice Specialist Suite
- » Department of Emergency Medicine
- » Department of Intensive Care Medicine
- » Hospital in the Nursing Home
- » Hyperbaric Medicine Service
- » Professor Tess Cramond Multidisciplinary Pain Centre
- » Skin Integrity Service

## Executive and directing staff

**Dr Robert Webb**  
Acting Executive Director, Critical Care and Clinical Support Services

**Kerri McLeod**  
Nursing Director, Critical Care and Clinical Support Services

**Dr John Burke**  
A/Director, Department of Emergency Medicine

**Dr Kenneth Thistlethwaite**  
A/Director, Hyperbaric Medicine Service

**Prof. Jeffrey Lipman**  
Director, Department of Intensive Care Medicine

**Prof. Julia Fleming**  
Director, Professor Tess Cramond  
Multidisciplinary Pain Centre

# Department of Emergency Medicine



**Anthony Bell**  
Director  
Emergency Medicine

## Overview

**About this service:** The Department of Emergency Medicine provides a specialist service for the emergency health care needs of the community 24 hours a day, 365 days a year. The specialist team is comprised of a group of dedicated doctors, nurses, social workers, physiotherapist, and other allied health staff working around the clock. We are one of the busiest Emergency Departments in the country, caring for over 70,000 patients per year including interhospital transfers and retrievals from burns and major trauma across the state. The department is a pivotal interface between the community and the hospital.

**Highlights of 2014:** Our research interests are as diverse as the patients we see. Our committed focus on acute cardiac disease continues to be one of our research strengths. A/Prof Louise Cullen has led research into the assessment and risk stratification of the ubiquitous chest pain patient. Teaming up with Cardiology at the Royal Brisbane and Women's Hospital as well as collaborators nationally and internationally, Louise has presented her research at multiple meetings including the World Congress of Cardiology in 2014. The diagnosis of headaches especially subarachnoid haemorrhage is one of our other major research interests. A/Prof Kevin Chu has led a research team across the state completing a prospective snapshot of patients presenting with a headache across Queensland in September 2014. His research was presented at the International Conference on Emergency Medicine 2014.

**Benefits for clinical practice:** The translation of research findings into clinical practice is paramount. Our research has enabled us to accelerate the assessment of the chest pain patient with a two-hour troponin instead of the previous 8-12 hour standard. This accelerated protocol has safely shortened the patient's length of stay in the Emergency Department. There are benefits to patient throughput in contemporary congested Emergency Departments worldwide. The cost savings are enormous.

Uncertainty in the diagnostic approach to the undifferentiated patient is not uncommon. The need for a computed head scan and a lumbar puncture with/without spectrophotometry for detecting subarachnoid haemorrhage is a classic example. The condition is an infrequent cause of headaches but has catastrophic consequences if missed. Our research into headaches and subarachnoid haemorrhage will contribute to evidence-based practice in the use of diagnostic tests.



## Research staff

Name	Qualifications	Position	Interests/specialities
<b>A/Prof Anthony Bell</b>	MBBS, FACEM, MBA, MPH, FRACMA	Director, Emergency Medicine	Medical administration
<b>Dr Dan Bodnar</b>	MBBS FACEM	Staff Specialist	Pre hospital care
<b>Prof. Anthony Brown</b>	MBChB, FRCP, FRCS (ED), FACEM, FCEM	Chair, Emergency Medicine	Anaphylaxis
<b>A/Prof Kevin Chu</b>	MBBS, GCBisostat, MS FACEM	Director, Emergency Medicine Research	Subarachnoid haemorrhage
<b>A/Prof Louise Cullen</b>	MBBS, PhD, FACEM	Staff Specialist	Acute cardiac disease
<b>A/Prof. Jaimi Greenslade</b>	BPsych (Hons), PhD, MSc (Stats)	Research Fellow	Acute cardiac disease
<b>Tracey Hawkins</b>	BN, Grad Dip Nursing. (Critical Care and Emergency)	Clinical Nurse (Research)	Acute coronary syndrome
<b>Tegwen Howell</b>	BEcon, MEd	Research Officer	Health economics
<b>Dr Catherine Hurn</b>	MBBS, FACEM	Staff Specialist	Massive transfusion
<b>Dr William Lukin</b>	MBBS, FACEM	Staff Specialist	Palliative care
<b>Kate Parker</b>	BN	Clinical Nurse (Research)	Perception of patients presenting with self harm
<b>Dr Duncan McAuley</b>	MBChB, FACEM	Staff Specialist	Pneumothorax
<b>Dr Ibrahim Mahmoud</b>	MBBS, MSc, MPH, PhD	Research Manager	Epidemiology
<b>Dr Philip Richardson</b>	MBChB, LLB, FACEM	Staff Specialist	End-of-life
<b>Dr Julian Williams</b>	MBBS, FACEM	Staff Specialist	Sepsis
<b>Dr Frances Williamson</b>	MBBS, FACEM, CCPU	Staff Specialist	Trauma

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Flaws, D.	PhD UQ (2014-2016)	Acute coronary syndrome risk stratification

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
<b>Chu, K.*</b> , Furyk, J., Keijzers, G., Kinnear, F., Windsor, C.	Diagnostic workup for suspected subarachnoid haemorrhage	QLD Emergency Medicine Research Foundation, Program	\$268,000 (2013-2015)
<b>Cullen, L.*</b> , Parsonage, W., Greenslade, J.*, Mueller, C.	Loss of Consciousness Study: Basel Syncope Evaluation Study	QLD Emergency Medicine Research Foundation, Project	\$32,100 (2014)
<b>Cullen, L.*</b> , Parsonage, W., Than, M., Pemberton, C.	Relationship between patient delay distribution and 12-month health outcomes	National Heart Foundation of Australia, Project	\$98,436 (2013-2014)
<b>Cullen, L.*</b>	Validating the MACS rule.	QLD Emergency Medicine Research Foundation, Project	\$27,800 (2014)
<b>Cullen, L.*</b>	The Noel Stevenson Research Fellowship	QLD Emergency Medicine Research Foundation, Investigator Development	\$225,000 (2012-2015)
<b>Cullen, L.*</b>	The accelerated chest pain risk evaluation (ACRE) project	The Centre for Healthcare Improvement Clinical Services Redesign sector of Queensland Health, Project	\$999,043 (2013-2015)

# Department of Intensive Care Medicine



**Prof. Jeffrey Lipman**  
Director  
Intensive Care Medicine

## Overview

**About this service:** The Department of Intensive Care Medicine provides a high standard of patient care based on a background of sound research outcomes. The unit is recognised as leaders in the management of sepsis, burns and infection through its collaborations with its national and international research partners. The Department develops and participates in a variety of research projects, from investigator-initiated to large NHMRC funded studies.

**Highlights of 2014:** 2014 was a very successful year, resulting in over 80 published articles, numerous successful grant applications and academic success for a number of our researchers. The focus on sepsis and infection in Intensive Care dictated the work flow for the DICM research team. As part of our body of work on antibiotics in the Intensive Care setting, we saw the completion of the BLING II (Beta-Lactam Infusion Group) Study, which was an NHMRC-funded study. The SMARRT Study, another NHMRC-funded study, saw continued sound recruitment and highlighted the evolving work practices of the DICM Research Office. This office now provides project management skills to international studies whilst continuing to support in-house investigator initiated studies from concept to completion. Continued collaboration between The University of Queensland, The George Institute, QIMR and a host of local, national and international partners marked a turning point in the development of the ICU research team at the RBWH.

**Benefits for clinical practice:** Our current focus is to improve antibiotic delivery and use in ICU. It is hoped that our work will eventually result in a reduction of hospital length of stay and cost and burden of health on the community at large, an improvement in the management of sepsis and patient outcomes and the continued evaluation and improvement of outcomes for burns patients.



## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof. Jeffrey Lipman</b>	MBBCh, DA (SA), FFA (SA), FFA (Crit Care), FCICM, MD	Director, Department of Intensive Care Medicine	management in intensive care, resuscitation of burns and pharmacokinetics of antibiotic dosage
<b>Assoc. Prof. Robert Boots</b>	MBBS (Hons), FRACP, FCICM, PhD, GradDipClinEpi, MMedSci, MHealthAdmin, IS	Deputy Director, Department of Intensive Care Medicine	clinical epidemiology, management of burns and prevention of ventilator associated pneumonia
<b>Prof. Michael Reade</b>	MBBS, BSc, DPhil, MPH, PGCertAME, DIMCRCSEd, DMCC, FHEA, FCCP, FANZCA, FCICM	Professor, Military Medicine; Staff Intensivist	clinical trials and preclinical models of: traumatic brain injury, coagulopathy, inflammation; early molecular identification of sepsis; individual patient data metaanalysis of clinical trials; design of trauma systems
<b>Prof Jason Roberts</b>	BAppSc, BPharm (Hons I), PhD, FSHP	Pharmacist Consultant and NHMRC Career Development Fellow	drug dosing in critically ill patients, therapeutic drug monitoring
<b>Dr Joel Dulhunty</b>	BSc (Hons), MTH, MBBS, PhD	Research Fellow	epidemiology of burn injury and severe sepsis, study design and methodology
<b>Dr Jeremy Cohen</b>	MBBS, BSc, MRCP, FRCA, FCICM, PhD	Staff Intensivist	adrenal function in critical illness
<b>Dr John Gowardman</b>	BSc, BHB, MBChB, FRACP, FCICM	Senior Staff Intensivist	intra-vascular device associated infections, Biofilm formation on vascular devices, head injury, weaning and extubation from mechanical ventilation
<b>Dr Judith Bellapart</b>	MD, ESICM, FCICM	Staff Intensivist	identifying alterations in microcirculation during shock using side stream dark field imaging
<b>Dr Anthony Holley</b>	BSc, MBBCh, DipPaeds, DipDHM, FACEM, FCICM	Senior Staff Intensivist	identifying alterations in microcirculation during shock using side stream dark field imaging
<b>Dr Steve O'Donoghue</b>	MBChB, FANZCA, FCICM	Staff Intensivist	microcirculation in shocked critically ill patients during resuscitation and prevention of ventilator associated pneumonia
<b>Dr Neil Widdicombe</b>	MBBS, FRCA (UK), FCICM	Senior Staff Intensivist, Hospital Medical Director Organ Donation	end-of-life care and organ donation, application of telemedicine in critical care, critical care retrieval and transport
<b>Dr Jayesh Dhanani</b>	MBBS, MD, FCICM	Staff Intensivist	antimicrobial therapy, lung infections, inhaled/aerosol therapy
<b>Dr Rajeev Hegde</b>	MBBS, MD, EDICM, FCICM	Senior Staff Intensivist	inhalation injury
<b>Dr George Pang</b>	MBBS, FANZCA, FCICM	Staff Intensivist	lipid rescue from anaesthetic overdose
<b>Dr Jennifer Paratz</b>	MPhty, FACP, PhD, GradCertEd (Medical and Health Sciences)	Consultant Physiotherapist, Senior Research Fellow	management and outcome of critically ill and burns patients, myocardial dysfunction, exercise and metabolism, diagnosis of sepsis in burns patients
<b>Hiran Bandeshe</b>	BSc, BEng	Database Manager	data mining, ICU database management
<b>Therese Starr</b>	GradCertCritCare, GradDipHealthProm, NNC	Research Manager	certified clinical research coordinator involved in major clinical trials
<b>Melissa Lassig-Smith</b>	DipAppSc (Nursing), GradDip (Adv Nursing), GradDipCritCare, MNursing (CritCare)	Research Coordinator	involvement in all aspects of studies in intensive care from initial proposal to completion
<b>Janine Stuart</b>	BNurs	Research Coordinator	involved with all research currently being completed in ICU, writing proposals, obtaining ethics approvals, writing grants, data collection and publishing research articles
<b>Renae Deans</b>	BNurs, CertCritCare	Research Coordinator	clinical research coordinator involved in the project management of major clinical trials
<b>Paul Jarrett</b>	Dip (HE) Nurs	Research Coordinator	involved in research studies taking place within ICU, from proposal to completion as well as communication and liaison with study sponsors and other coordinators

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Rachael Dunlop</b>	BNurs, GradCert (CritCare)	Research Coordinator	involved in research studies taking place within ICU and QUT
<b>A/Prof Fiona Coyer</b>	PhD, MSc, Grad Cert (Adult education)	Senior Research Fellow	incontinence associated dermatitis, pressure injury prevention, end of life care, patient hygiene

## Supervised post-graduate research students

Name	Current studies University ; (duration)	Research topic
Abdul Aziz, MH.	PhD, UQ (2012 -2016)	Continuous versus intermittent administration of beta-lacams in critically ill patients
Adnan, S.	PhD, UQ (2011-2014)	Improving antimicrobial use in critically ill patients
Al-Obaid, A.	PhD, UQ (2012 -2016)	Pharmacokinetics of piperacillin-tazobactam , meropenem and fluconazole in critically ill obese patients
Bellapart, J.	PhD, UQ (2013 -2016)	Cerebral microcirculation after head injury in bovine models
Bissett, B.	PhD, UQ (2010-2016)	Inspiratory muscle training for ventilated patients
Deans, R.	MPhil, UQ (2014 -2018)	A pilot multicentre blinded randomised controlled clinical trial of cryopreserved platelets vs conventional liquid-stored platelets for the management of post surgical bleeding
Druery, M.	PhD, UQ (2014 -2017)	Psychosocial outcomes post severe burn injuries in adults - an exploratory study
Economou, C.	PhD, UQ (2012-2017)	The pharmacokinetics of vancomycin, meropenem and ticarcillin in critically ill patients undergoing prolonged intermittent renal replacement therapy
Flores, O.	PhD, UQ (2014 -2017)	Reversing metabolic changes post burn injury
Hanrahan, T.	MPhil, UQ (2011 -2014)	Vancomycin nephrotoxicity in critically ill patients: fact or fiction?
Jamal, JA.	PhD, UQ (2012-2014)	Beta-lactam pharmacokinetics during continuous venovenous haemofiltration in ICU patients: continuous infusion vs intermittent bolus.
Kayambu, G.	PhD, UQ (2010-2015)	Improving critical illness outcomes with early rehabilitation
Parker, S.	PhD, UQ (2012-2015)	Revitalising an old drug: saving critically ill patients with resistant infections with fosfomycin
Tsai, D.	PhD, UQ (2013 -2016)	Pharmacokinetics of common antibiotics used in Australian Aboriginal patients in the ICU
Williams, J.	PhD, UQ (2008-2016)	The sepsis registry: a prospective database to characterise and facilitate improved outcome for admitted patients with community acquired infection
Wong, G.	MBBS/PhD, UQ (2012 -2017)	A pharmacokinetic-pharmacodynamic evaluation of beta-lactam antibiotics TDM-guided dose adjustment in critically ill patients

## Awards and achievements

Award	Event	Recipient
Vice-Chancellor's Award for Excellence	In recognition of exceptions sustained performance and outstanding achievement in learning, teaching and partnerships and engagement	Coyer, F.
Best Medical Paper – <i>A new marker of sepsis in burns?</i>	Australian and New Zealand Intensive Care Society	Paratz, JD.
John Thomson Medal, University of Queensland.		Reade, MC.

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Bellapart, J.*, Boots, R.*, Reade, M.*, Fraser, J.	Cerebral microcirculation in head injury during normovolemic anemia: an experimental model	Royal Brisbane & Women's Hospital Foundation, Project Grant	\$34,758.18
Berney, S., Denehy, L., Needham, D., Paratz, J.*, Koopman, R., Hopkins, R.	Functional electrical stimulation assisted cycling (eStimCycle): A novel intervention to improve outcomes in the critically ill	NHMRC Project Grant	\$842,000
Cohen, J.*, Blumenthal, A., Venkatesh, B.	The Wnt Signalling Pathway: Exploring Opportunities for New Biomarkers and Therapeutic Intervention in Sepsis	Australian Infectious Disease Research Centre, Project Grant	\$50,000
Coyer, F.*, Campbell, J., Vann, A.*, McNamara, G.	Translating evidenced-based pressure injury prevention into the intensive care environment	Health and Medical Research, Queensland Health, Project	\$119,589
Coyer, F.*, Slattery, P., Thomas, P., McNamara, G., Kahtun, M., Edwards, C.	Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients	Royal Brisbane & Women's Hospital Foundation, Project Grant	\$50,000
Joynt, G., Lee, A., Gomersall, C., Choi, G., Roberts, J.*, Lipman, J.*	Antibiotic PKs in critically ill patients receiving RRT – a prospective multi-centre cohort study	General Research Fund, The Chinese University of Hong Kong, Project	\$70,181 (2014-2015)
Li, X., Sheng, MQ., Lipman, J.*, Boots, RJ.*	Effective Recommendations based on Multi-Source Data	ARC Project	\$411,000 (2014-2016)
Lipman, J.*, Roberts, JA.*, Paratz, JD.*, Paterson, DL.	Strengthening the School of Medicine's position as a central coordinator of global pharmacokinetic studies in critically ill patients	University of Queensland Major Equipment & NHMRC Equipment Grant	\$110,790 (2014)
Lipman, J.*, Roberts, JA.*, Peake, SL., Joynt, GM., Udy, AA., Nicholls, MB.	Pharmacokinetic Australasian Collaborative	Intensive Care Foundation, Project	\$39,156 (2014)
MacGowan, A., Hope, W., Roberts, JA.*, McAuley, D., Woodhead, M., Lovering, A., Felton, T., Gardner, E., Agus, A., Berry, E., Walsh, T.	Minimising the risks of emergence of antibiotic resistance during therapy by precise regimen individualization and use of combination therapy (MINIRES)	Research for Patient Benefit, National Institute for Health Research, UK Project	\$646,378 (2014-2016)
Paratz, J.*, Boots, R.*, Kenardy, J., Comans, T., Mitchell, G., Coyer, F.*, Thomas, P., Singh, S.	Improving outcomes in patients post sepsis	HMR Fellowship Grant Fellowship	\$182,000 (2014-2017)
Roberts, J.*, Paterson, D., Cooper, M., Lipman, J.*, Roberts, M., Schembri, M., Bulitta, J., Landersdorfer, C.	Addressing an unmet need by establishing a state-of-the-art translational model at UQ: The hollow fibre in vitro infection model	UQ MEI and NHMRC Equipment Grant	\$195,974 (2014-2015)
Roberts, MS., Anissimov, Y., Grice, J., Lehmann, P., Maibach, H., Weiss, M., Wittum, G., Sinner, F., Stinchcomb, A., Walters, K., Roberts, JA.*	Physiologically based biopharmaceutics and pharmacokinetics of drug products for dermal absorption in humans	US Food and Drug Administration Project	\$676,552 Project
Tsai, D.	Improving Dosing of Common Antibiotics used in Critically Ill Australian Indigenous Patients	NHMRC Training scholarship	\$77,058 (2014-2016)

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Tsai, D.	Improving Dosing of Common Antibiotics used in Critically Ill Australian Indigenous Patients	2014 Douglas and Lola Douglas Scholarship in Medical Science, Scholarship	\$21,000 (2014-2016)
Webb, S., Paterson, DL., Lipman, J.*, Roberts, JA.*	Incidence, Risk Factors, Consequences and treatment of ventilated patients with nosocomial infection with pandrug resistant organisms in hospitals in Asia. Award.	University of Western Australia- University of Queensland Collaboration Award	\$20,000 (2014-2015)

# Department of Hyperbaric Medicine Service



**Dr Kenneth Thistlethwaite**  
Acting Director  
Hyperbaric Medicine

## Overview

**About this service:** The RBWH Hyperbaric Medicine Service provides inpatient and outpatient treatments in line with evidence based indications approved by the international scientific body, The Undersea and Hyperbaric Medicine Society. It is a subspecialty of the Australian and New Zealand College of Anaesthesia but indications are derived from multiple specialities. Approximately 50% of the current workload is provided in support of therapeutic radiation induced tissue damage, both symptomatic treatment of and surgical intervention within. There are applications wherever microvascular disease impedes normal tissue metabolism. Support is provided for endovascular and tissue bubble injury, for example with decompression illness and CAGE, both within the recreational and commercial diving community and iatrogenic injury.

**Highlights of 2014:** A major area of work has centred around the newest indication for treatment with hyperbaric oxygen therapy, Idiopathic Sudden Sensorineural Hearing Loss. A multi-centred trial based out of the Wesley Hospital for treatment of chronic non healing leg wounds has been completed this year and ongoing trials with Xerostomia and Diabetic patients continue. New research is exploring the incidence and effects of oxygen toxicity on the CNS and eye in our current practice and the reliability and predictability of Transcutaneous Oximetry Measurement of the Leg.

**Benefits for clinical practice:** Current existing guidelines for timing and use of the modality for treatment for Idiopathic Sudden Sensorineural hearing Loss will change. The therapeutic window has been further defined and it is hoped that these results will provide impetus for treatment amongst the ENT community. Similarly, when published, it is hoped the conclusions from the chronic non healing leg wound trial will provide important guidelines that optimise healing and cost effective intervention.

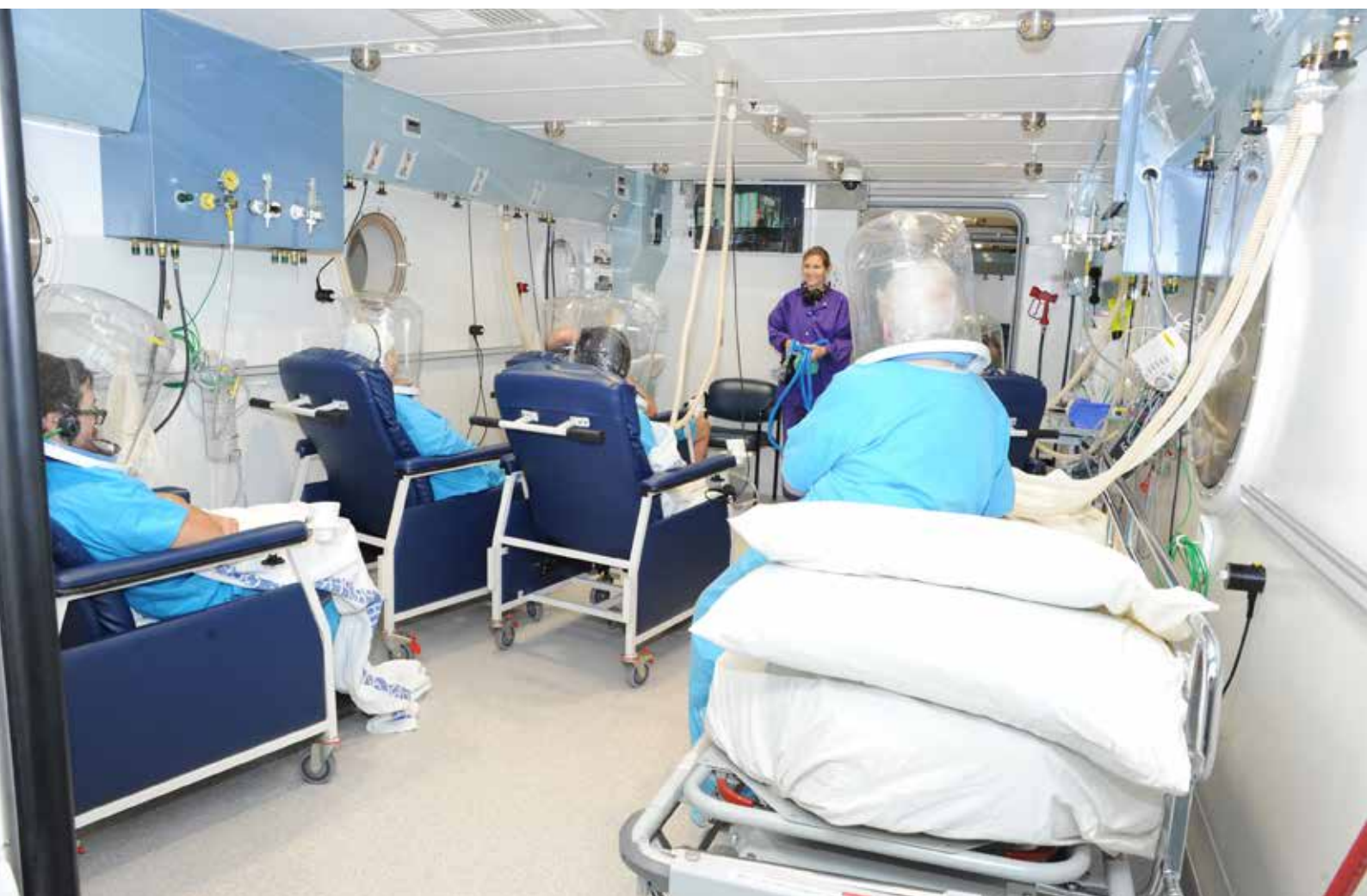


## Research staff

Name Qualifications	Position	Interests/specialities
<b>Dr Susannah Sherlock BSc</b> MBBS, FANZCA	SMO	HBO2 with respect to soft tissue radiation injury, sudden sensorineural hearing loss, diabetic wound healing
<b>Dr Kenneth Thistlethwaite</b> BSc(Hons), MBBS, FRACGP(JCCA)	SMO	Chronic non healing leg wounds, sudden sensorineural hearing loss, diabetic wound healing
<b>Dr Tobias Trinks</b> State Exam Medicine (Germany), PhD (Germany), AMC exam, FANZCA	Registrar	Transcutaneous Oxygen Measurements, Diving Medicine

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Sherlock, S.	Hyperbaric oxygen therapy for foot ulcers in diabetes	ANZCA	\$20,000 (2014)
Sherlock, S.	Hyperbaric oxygen therapy for foot ulcers in diabetes	RBWH Private Practice Trust Fund	\$10,000 (2013-2014)



# Department of Medical Imaging



**Prof. Alan Coulthard**  
Director  
Research



**Dr John Clouston**  
Director  
Medical Imaging

## Overview

**About this service:** The Department of Medical Imaging (DMI) provides a full range of diagnostic and interventional imaging services. DMI is actively involved in departmental, interdepartmental and multi-site collaborative research projects. The DMI Research Office, under the directorship of Professor Alan Coulthard, manages approximately 70 service-based research studies, for which the department provides imaging services to research projects and clinical trials established by other RBWH departments, and by external research groups from UQ. In 2014, thirteen new service-based research projects were established. The DMI Research Office also provides research support to residents and radiology registrars. Residents are encouraged to become involved in existing departmental projects, and we also provide support for those wishing to start new imaging-related projects in collaboration with DMI staff. This provides an environment for junior doctors to develop key research skills required for their future progression to the Queensland Radiology Training Program. Registrars are required by the Royal Australian and New Zealand College of Radiologists (RANZCR) to complete two research projects to fulfil their specialty training assessment requirements. Registrars are supervised by consultants from DMI, and from other radiology training sites in Queensland. 12 registrar projects are in progress in DMI, including audits and prospective studies across a range of imaging modalities. 22 registrars have now been completed their Part 1 and/or Part 2 research projects, resulting in publication or presentation at national and international conferences.

**Highlights of 2014:** Through sustained involvement in multicentre research studies, DMI has continued to strengthen research collaborations with other RBWH departments, along with external research groups. There is a significant collaboration with Radiation Oncology with many projects arising from involvement with the Trans-Tasman Radiation Oncology Group (TROG). Other notable collaborations exist between DMI, Nuclear Medicine, Neurosurgery and CSIRO. Research projects conducted by DMI staff and students have culminated in 11 publications in peer-reviewed journals in 2014, along with ten presentations (oral and poster) at national and international conferences by consultants, registrars and radiography staff.

**Benefits for clinical practice:** Research in DMI provides valuable insights into standards of practice by exploring new diagnostic and interventional avenues, leading to improvements in patient treatment and care across all imaging modalities. Examples include establishing the validity of non-invasive imaging over invasive for follow up of treated interventional patients, determining best practice and technology for management of anti-platelet therapy, and investigating the relative role of MRI versus PET in brain tumour follow up.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr John Clouston</b>	MBBS, FRANZCR	Director, Medical Imaging	neuroradiology, neuro-intervention
<b>Prof. Alan Coulthard</b>	MBBS, BMedSci, FRCS, FRCR, FRANZCR	Director of Research, Dept Medical Imaging, Professor of Neuroradiology and Head of The University of Queensland (UQ) Discipline of Medical Imaging	thoracic and breast imaging and intervention
<b>Assoc. Prof. Karin Steinke</b>	MD, MS, PD, FRANZCR	Staff Specialist	medical student education, quality management in radiology, software
<b>Assoc. Prof. Peter Scally</b>	MBBS, FRANZCR	Staff Specialist	development to teach critical analysis
<b>Dr Paul Tesar</b>	MBBS, FRANZCR, FRCR, FRCPA	Staff Specialist	imaging of gastrointestinal tract, liver and musculoskeletal system
<b>Dr Nick Kienzie</b>	MBBS, FRANZCR	Staff Specialist	interventional radiology and abdominal imaging
<b>Dr Craig Hacking</b>	BSc (Biomed), MBBS, FRANZCR	Staff Specialist	imaging and cancer staging
<b>Patrick Eastgate</b>	BNurs, BAppSci (Medical Imaging), MSc (Image Interpretation)	Senior Radiographer	image interpretation
<b>Dr Karen Dobeli</b>	MAppSci(MedRadSci), FIR, PhD	Senior Radiographer	computed tomography
<b>Dr Janelle Thomas</b>	BSc(Hons), PhD	Research Development Officer	research development

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Odenthal, C.	MPhil, UQ (2013-2017)	Atrophy measures in multiple sclerosis

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Rose, S., Crozier, S., Salvado, O., Coulthard, A.*, Thomas, P., Fay, M.	Improving assessment of brain tumour treatment outcome using 18F-FDOPA PET MRI	NHMRC, Project Grant	\$637,125 (2010-2015)
Clouston, J.*, Coulthard, A.*.	Funding of Research Development Officer Position	Covidien, Education Grant	\$190,942 (2012-2015) \$70,236 /yr
Coulthard, A.*, Rose, S., Macfarlane, D., Slaughter, R.	ACRF molecular oncology translational imaging facility	ACRF, Project/ Facility	\$2,000,000 (2013- 2015)
Taylor, B., van der Mei, I., Lucas, R., Blizzard, C., Coulthard, A.*, Broadley, S., Williams, D., Shaw, C.	The role of environmental and genetic factors in progression of multiple sclerosis	NHMRC, Project Grant	\$945,084 (2014-2017) 129,246 /yr



# Professor Tess Cramond Multidisciplinary Pain Centre



**Prof. Julia Fleming**  
Director  
Professor Tess Cramond  
Multidisciplinary Pain Centre

## Overview

The Professor Tess Cramond Multidisciplinary Pain Centre provides assessment and management of inpatients and outpatients with complex persistent pain, malignant pain and burns pain that may impact adversely upon multiple dimensions of patient's lives. The Pain Centre intends to expand the research program to include pharmaceutical and interventional therapies, evaluation of systems, models of care and outcome measures for pain management, and the role the Centre's pain management programs on mood, stress, sleep and activity.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof Julia Fleming</b>	MBBS, PhD, FANZCA, FFPMANZCA, Dip Med (Pain Mngmt)	Director	Pain Medicine, Neurobiology of pain, glia and spinal inhibitory systems, neuropathic and metastatic bone pain, public health in pain
<b>Dr Paul Gray</b>	MBBS, PhD, FANZCA, FFPMANZCA	Senior Staff Specialist	Pain Medicine, Anaesthesia; burn pain; persistent pain management strategies including interventional.
<b>Dr Bryce Clubb</b>	MBBS, FRACR, FFPMANZCA, FACHAM, RACP	Staff Specialist (Pain Medicine, Addiction medicine)	Concurrent chronic non-malignant pain and substance dependence
<b>Nicole Andrews</b>	BOccThy (Hon 1)	Senior Occupational Therapist	Chronic pain, activity patterns, disability and daily function
<b>Mr Karl Bagraith</b>	BOccThy (Hon1)	Principle Project Officer New MOC Workforce	Outcome measurement, persistent pain, chronic musculoskeletal conditions, International Classification of Functioning, Disability and Health

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Siti Sarah Fazalul Rahiman	PhD	The potential role of DYN A (1-17) fragments as an immunotherapeutic target in peripheral inflammation (Supervisor: Dr P Gray)

# Internal Medicine Services



**Kate Mason**  
Executive Director  
Internal Medicine Services

## Overview

Internal Medicine Services has a commitment to academic medicine, and translational research with areas of outstanding research productivity throughout our services and partnerships.

To support our research there are strong links with the Queensland Institute of Medical Research (QIMR), The University of Queensland Centre for Clinical Research (UQCCR), The University of Queensland (UQ) School of Medicine, Queensland University of Technology (QUT) and a range of other research partners.

Nursing and Allied Health Professionals actively participate in evidenced-based practice and multidisciplinary research across the service line. In most areas of Internal Medicine Services Research, assistant roles are filled by highly skilled nursing staff.

We continually improve our research profile by an increase in higher degrees, research presentations, research publications and research grants. This is a testament to the dedication, curiosity and persistence of our staff. The most important benefit of this is that we know that the best patient care occurs in centres where there is a strong culture of research.



**Sandy Jamieson**  
Nursing Director  
Internal Medicine Services

## Key departments

- » Department of Cardiology
- » Department of Clinical Immunology and Allergy
- » Department of Clinical Pharmacology
- » Department of Dermatology
- » Department of Endocrinology
- » Department of Gastroenterology and Hepatology
- » Genetic Health Queensland
- » Infectious Diseases Unit
- » Department of Internal Medicine and Aged Care/Obstetric Medicine Unit
- » Department of Neurology
- » Department of Nuclear Medicine/Queensland PET Service
- » Palliative Care Service
- » Department of Pharmacy
- » Department of Renal Medicine
- » Department of Rheumatology
- » Department of Thoracic Medicine

## Executive and directing staff

**Kate Mason**  
Executive Director, Internal Medicine Services

**Sandy Jamieson**  
Nursing Director, Internal Medicine Services

**Assoc. Prof. John Atherton**  
Director, Cardiology

**Dr Roger Prentice**  
Director, Clinical Immunology and Allergy

**Dr Paul Kubler**  
Director, Clinical Pharmacology

**Dr Ivan Robertson**  
Director, Dermatology

**Assoc. Prof. Michael d'Emden**  
Director, Endocrinology

**Dr Mark Appleyard** Director  
Gastroenterology and Hepatology

**Assoc. Prof. Julie McGaughan**  
Director, Genetic Health Queensland

**Assoc. Prof. Tony Allworth**  
Director, Infectious Disease

**Assoc. Prof. Charles Denaro**  
Director, Internal Medicine and Aged Care

**Dr Andrew Wong**  
Director, Neurology and Stroke Services

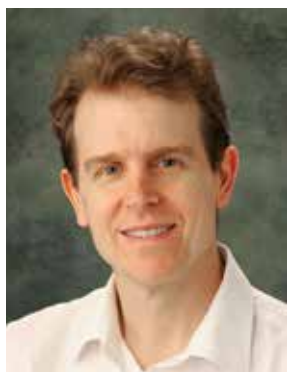
**Dr Carol Douglas**  
Clinical Director, Palliative Care

**Assoc. Prof. Ian Coombes**  
Director, Pharmacy

**Dr Helen Healy**  
Director, Renal Medicine

**Dr Paul Kubler**  
Director, Rheumatology

# Department of Cardiology



**Assoc. Prof. John Atherton**  
Director  
Cardiology

## Overview

**About this service:** The cardiology department has a broad investigator-driven research program with a focus on health service research and evaluation. Much of this research has grown from the efforts of clinicians to improve models of care with interdisciplinary collaboration within RBWH and with other centres nationally and internationally.

**Highlights of 2014:** The evaluation of chest pain has involved a collaboration with the emergency department and internal medicine, and resulted in numerous collaborations internationally, successful grant funding, and industry partnerships. We have unique cardiac obstetric (collaboration with Internal Medicine and Obstetric Medicine) and cardiac genetic (collaboration with Genetic Health Queensland) clinics that receive state-wide referrals. We have steering committee membership on the European Cardiac Obstetric Registry (as the only Australian representative), and the Australian National Genetic Heart Disease Registry. We co-convened the inaugural International Clinical Cardiovascular Genetics Conference in 2014, and plan to convene the second meeting in 2016. We have a strong clinical trials research program and have been the lead national and global recruiting site for a number of multicentre trials.

**Benefits for clinical practice:** Research into the evaluation of patients presenting with chest pain is being actively translated into clinical practice throughout Queensland by the Health Innovation Fund supported Accelerated Chest pain Risk Evaluation (ACRE) clinical redesign project. This research is informing the evaluation of chest pain across Queensland and internationally. We have developed pathways to investigate families who have suffered a sudden death at a young age, which involves collaboration with clinical genetics, forensic pathology and the Coroner's office.

We have commenced a Cardiac Catheter Laboratory database with comprehensive mandatory complication tracking, which will inform the Queensland Cardiac Outcomes Registry and the Australian Cardiac Outcomes Registry. We informed the development of the state-wide heart failure outcomes reporting (HERO) database, which was commenced in January 2015. This will track process and outcome measures of healthcare for all patients referred to heart failure nursing services in Queensland.

We are investigating the role of training echocardiography-naïve nursing staff to assess LV function. This could allow a paradigm shift of echocardiography to affordable population screening and disease monitoring. We are collaborating with a QUT-based group of researchers to investigate the role of salivary biomarkers in heart failure and cardiovascular disease detection. This may allow non-invasive and cost-effective early disease detection and monitoring in heart failure.

## Research staff

Name Qualifications	Position	Interests/specialities
<b>A/Prof John Atherton</b> MBBS, PhD, FRACP, FCSANZ	Director of Cardiology	Heart failure, cardiac genetics, cardiac rehabilitation, economics
<b>Dr Anthony Brazzale</b> MBBS	Cardiology Registrar	
<b>Dr Loretta Carr</b> MBBS	Cardiology Registrar	
<b>Dr Charles Chao</b> MBBS, FRACP	Cardiologist	Cardiac Imaging
<b>Dr Karin Chia</b> MBBS, FRACP	Staff Cardiologist and Electrophysiologist	Electrophysiology
<b>Dr Julie Ch'ng</b> MBBS, FRACP	Staff Cardiologist	Echocardiography
<b>Dr Claudia Cosgrove</b> MBBS	Cardiology Registrar	
<b>Dr David Cross</b> MBBS, FRACP, FCSANZ	Visiting Senior Cardiologist	Clinical trials, acute coronary syndromes
<b>Dr Arun Dahiya</b> MBBS, FRACP	Staff Cardiologist	Multimodality imaging including echocardiography, cardiac CT and cardiac MRI
<b>Dr Mark Dooris</b> , MBBS (Hons Class 2) FRACP Grad Dip Sci (Mathematics), FCSANZ	Staff Interventional Cardiologist and Director of Cardiac Catheterisation Laboratory	Interventional cardiology, clinical audit, mathematics
<b>Ms Gae Goodman</b> BN	Clinical trials coordinator	Clinical trials
<b>Dr Christopher Hammett</b> BHB, MBChB, MD, FRACP, FCSANZ	Staff Interventional Cardiologist	Interventional cardiology, clinical trials, acute coronary syndromes

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Sam Hayman</b>	MBBS	Cardiology Registrar	
<b>Dr Samuel Hillier</b>	MBBS, M Phil	Cardiology Fellow	
<b>Ms Linda Hindom</b>	BN	Clinical trials coordinator	Clinical trials
<b>Dr Cleonie Jayasuriya</b>	MBBS, FRACP	Staff Cardiologist	Echocardiography
<b>Dr Katherine Lau</b>	MBBS	Cardiology Registrar	
<b>Ms Lydia Lilwall</b>	BN	Clinical trials coordinator	Clinical trials
<b>Dr Andrew Lin</b>	MBBS	Cardiology Registrar	
<b>Ms Ada Lo</b>	Grad Dip Appl Sci, Masters	Senior Echocardiographer	Echocardiography, cardiomyopathies, novel echocardiographic imaging techniques
<b>Dr Paul Martin</b>	MBBCh, MRCPI, FRACP, PhD, FCSANZ	Staff Cardiologist and Electrophysiologist	Electrophysiology, atrial fibrillation
<b>Dr Iman Mohasseb</b>	MBBS	Cardiac Imaging Fellow	
<b>Ms Leeanne Palethorpe</b>	BN	Clinical trials coordinator	Clinical trials
<b>Dr William Parsonage</b>	BMedSci (Hons) MBBS DM MRCP(UK) FRACP	Staff Cardiologist	Echocardiography, cardiac obstetrics, chest pain assessment, Fabry disease
<b>Dr Rohan Poulter</b>	MBBS, FRACP	Interventional Cardiology Fellow	Cardiac CT
<b>Dr Sandy Prasad</b>	MBBS, FRACP	Staff Cardiologist	Echocardiography
<b>Prof Adam Scott</b>	BSc PhD	Director of Cardiac Sciences	Exercise physiology, heart failure, clinical redesign, chest pain assessment, depression, non-physician led stress testing
<b>Dr Rajesh Shetty</b>	MBBS, MD (Internal Medicine), DM (Cardiology), FRACP	Staff Interventional Cardiologist	Interventional cardiology, pulmonary hypertension
<b>Dr Peter Stewart</b>	MBBS, FRACP	Staff Interventional Cardiologist	Interventional cardiology
<b>Dr Roger Wilkinson</b>	MBBS, FRACP, FCSANZ	Visiting Cardiologist	
<b>Dr John Younger</b>	MB BCh MRCP FRACP	Staff Cardiologist	Multimodality imaging including echocardiography, cardiac CT and cardiac MRI

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Guppy-Coles, K.	PhD, UQ, (2013-2016)	Novel 3D echocardiography techniques of left ventricular functional assessment: utilisation in routine clinical practice and screening.
Poulter, R.	PhD, UQ, (2012-2017)	Evaluating the diagnostic performance of dual energy cardiac computed tomography.
Lo, A.	PhD, UQ, (2012-2017)	Identification of new echocardiographic parameters in distinguishing between familial cardiomyopathy genotypic positive patients with and without phenotypic expression.

## Awards and achievements

Award	Event	Recipient
Australian Postgraduate Award (APA) Scholarship Support	PhD	Guppy-Coles, K
Fellowship, Cardiac Society of Australia and New Zealand		Scott, A
Fellowship, American College of Cardiology		Scott, A
Fellowship, European Society of Cardiology		Scott, A
QuARRIES Award “Overall Superior Quality Achiever” – Non-physician led exercise stress testing, Royal Brisbane and Women’s Hospital		Scott, A
QuARRIES Award “Access” – Non-physician led exercise stress testing, Royal Brisbane and Women’s Hospital		Scott, A
Runner-up, Practitioner Award	Exercise and Sports Science Australia Conference, Adelaide, South Australia.	Scott, A
Australia Day Award, Metro North Hospital and Health Service, Queensland Health.		Scott, A

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Cullen, L.*, Parsonage, W.*, Than, M.*, Pemberton, C.*	Relationship between patient delay distribution and 12-month health outcomes.	National Heart Foundation of Australia, Project Grant	\$98 436 (2013-2014)
Dahiya, A.*, Atherton, J.*, Prasad, S.*	Evaluation of a training protocol for novice health professionals to evaluate left ventricular function using real-time, 3-dimensional echocardiography to allow screening for left ventricular systolic dysfunction in high-risk populations.	GE Healthcare Global Research, Investigator	\$36,454 (2013-2014)
Wu, J., Atherton, J.*, Chang, A., Courtney, M., Clark, A., Strodl, E., McPhail, S.	Improving delivery by Ehealth- Assurance for life for cardiac-diabetic patients.	Royal Brisbane and Women’s Hospital 2013 Research grant Awards, Project Grant	\$36,000 (2013-2014)
Courtney, M., Wu, J., McPhail, S., Atherton, J.*	The Cardiac/Diabetes TRANS-CARE Program.	Australian Catholic University, Program	\$1,900,000 (2014-2017)
Cullen L,* Parsonage W.*	Accelerated Chest pain Risk Evaluation (ACRE) clinical redesign project	Health Innovation Fund, Project Grant	\$1,000,000 (2014-2016)

# Department of Clinical Immunology and Allergy



**Dr Roger Prentice**  
Director  
Clinical Immunology  
and Allergy

## Overview

**About this service:** The Department of Clinical Immunology and Allergy provides a consultative service for patients with immunological conditions and allergies.

Clinical immunology patients include those with immunodeficiencies, angioneurotic odema, connective tissue diseases such as systemic lupus erythematosus and vasculitides such as Wegener's granulomatosis. Patients with allergic conditions such as urticaria, angioedema, allergic rhinitis, asthma, eczema, stinging insect allergy and drug allergy are also treated in the area.

The day procedure unit within the department provides services including gammaglobulin infusions with hypogammaglobulinaemia, an allergy challenge capsule testing for food additive reactions, and skin testing for drugs such as anaesthetic agents.

Facilities located in the Department of Clinical Immunology and Allergy include:

- An injection clinic for the desensitisation of patients with bee, wasp, grass, cat or house dust mite allergy
- Patient education for house dust mite elimination
- Patient education for self-administration of adrenaline
- A consultative service from the RBWH Department of Nutrition and Dietetics for patients with urticaria and angioedema.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Roger Prentice</b>	MBBS, MSC (Med), MRCP (UK), FRACP	Director, Clinical Immunology and Allergy	house and dust mite allergy, urticaria, angioedema, connective tissue diseases
<b>Dr Graham Solley</b>	MBBS, FACP, FAAAAI, DABIM, DABAI FRCPA	Visiting Medical Officer	stinging insect allergy



# Department of Clinical Pharmacology



**Dr Paul Kubler**  
Director  
Clinical Pharmacology

## Overview

**About this service:** The primary aims of the Department of Clinical Pharmacology are to enhance medication safety within the hospital and to maximise the efficacy, safety and cost-effectiveness of drug therapy using a consistent systematic approach.

Clinical research projects focus on improving the quality of medication use, therapeutic drug monitoring and developing strategies to optimise the use of medicines in individuals. The unit is also involved in translating research into clinical practice to improve the quality of prescribing and administration.

## Research staff

Name	Qualifications	Position	Interests/specialities
Karen Davies	B Nursing	CNC Medication Safety	
Paul Kubler	MBBS FRACP	Director Clinical Pharmacology	



# Department of Endocrinology



**Assoc. Prof. Michael d'Emden**  
Director  
Endocrinology

## Overview

**About this service:** About this service: The Department of Endocrinology and Diabetes is staffed by 13 medical, two administrative officers, four allied health professionals, four research nurses, two diabetes nurse educators, one podiatrist, one dietitian and three scientists. Clinical services provided include in-patient consultative services at RBWH and specialised out-patient clinics at RBWH and Bundaberg Hospital.

The department contributes to the Statewide Thyroid Cancer Clinic held with members of Cancer Care Services. It also supports the Obstetric Endocrine Clinic service for Women's and Newborn Services. It provides outreach services to Bundaberg and telehealth services in maternity health, endocrinology and complex Type 2 Diabetes to hospitals in the Central zone.

Clinical research activities include an active clinical trials unit. Chronic disease funding is underwriting projects in management of Diabetes in Pregnancy and Type 2 Diabetes. The Conjoint Endocrine Laboratories, a joint venture of Internal Medicine Services and Pathology Queensland undertakes studies at a basic science level of placental iodide and thyroid hormone handling as well as assessing testosterone transport and action.

Associate Professor Emma Duncan has a major role within the Department to promote and undertake research. There are now 3 doctoral students. The department has developed strong links with several research departments and has started major clinical studies in several areas including: HIV disease and bone, Pheochromocytoma and bone disease, Genetics of Pheochromocytoma, Genetics of Thyroid Cancer, Genetics of Skeletal Dysplasia, Genetics of Osteogenesis imperfecta, Genome wide association studies of osteoporosis.

**Highlights of 2014:** Dr Don McLeod has joined the Department and is pursuing research in aspects of the epidemiology of Thyroid Cancer.

The department has developed the first gestational diabetes decision support tool for the management of diabetes. Data on all patients managed in the department is now captured at every clinic visit. This has led to the potential to do clinical trials and outcome audit of all patients with diabetes in pregnancy. This has led to collaboration with the Departments

## Research staff

Name	Qualifications	Position	Interests/specialities
Assoc Prof Michael d'Emden	PhD, FRACP	Director Endocrinology	clinical trials, chronic disease, thyroid hormone action, testosterone transport
Assoc Prof Emma Duncan	PhD, FRACP	Senior Staff Specialist	genetics of endocrinology, clinical bone disease
Dr Don McLeod	BSc, MPH, PhD, FRACP	Staff Endocrinologist	thyroid disease
Dr Maree Mungomery	FRACP	Visiting Medical Officer	chronic disease, diabetes telehealth project
Dr Kerry Richard	PhD	Senior Scientist	thyroid hormone, iodine and placenta
Dr Huika Li	MB	Researcher	testosterone transport
Dr Kelly Landers	PhD	Research Assistant	thyroid hormone, iodine and placenta
Erika Tapp	BHlthSc	Research Assistant clinical trials	
Helen Legg	BNurs	Research Assistant clinical trials	
Liz Lahz	BNurs	Research Assistant clinical trials	

## Awards and achievements

Award	Event	Recipient
Best Clinical, Education, & Health Services Oral Presentation	23rd Annual RBWH Healthcare Symposium	Dr Don McLeod

# Department of Gastroenterology and Hepatology



**Dr Mark Appleyard**  
Director  
Gastroenterology  
and Hepatology

## Overview

**About this service:** The RBWH endoscopy research program continues to have interests in endoscopy outcomes, novel imaging techniques in endoscopy, diagnostic and therapeutic small bowel endoscopy and endoscopic management of Barrett's oesophagus. The unit is one of the first sites in Australia to use the new digital platform for endoscopic examination of the biliary tree.

**Highlights of 2014:** In the past 12 months, the Inflammatory Bowel Diseases programme has developed novel strategies to study patient outcomes by using existing longitudinal laboratory data and in silico analysis. This has been successfully piloted in a Crohn's disease inception cohort by Dr James Irwin as part of his MPhil degree with the University of Queensland. The clinical and scientific programmes are coordinated by Associate Professor Graham Radford-Smith together with clinical and scientific colleagues. The group continues to coordinate the ANZ IBD Consortium with a major goal being the development of bespoke software for IBD management – to be launched in 2016. As part of our ongoing educational programme in clinical research, the IBD group continues to supervise medical students from the University of Queensland across a range of clinical and scientific projects. One of our previous students will be returning to the Gastroenterology unit at RBWH as a second year advanced trainee. A more extensive summary of the programme and achievements in 2014 is available through the QIMR Berghofer website or by contacting one of the team.

The colorectal cancer research group led by Professor Leggett is investigating how to prevent and treat bowel cancer by understanding the types of bowel polyps that it arises in and how different cancer subgroups respond to chemotherapy. We have identified that approximately 20% of bowel cancers arise in serrated polyps which were previously not targeted for removal at colonoscopy. The importance of this work has been recognised by Prof Leggett being invited to speak on the "Serrated neoplasia pathway: implications for screening and surveillance" at the World Endoscopy Organisation Colorectal cancer Screening Meeting, Digestive Diseases Week in Chicago in May 2014 and on "Serrated polyps and colorectal cancer" at the Brisbane Cancer Conference in December 2014. This work is reducing the risk of developing a colorectal cancer despite having undergone a colonoscopy which should provide protection from cancer.

The liver trials research group led by Professor Leggett and Dr Skoien conducts trials of new therapy for liver disease. During 2014 we had the opportunity to participate in trials of several of the new therapies for Hepatitis C. These therapies no longer include interferon injections and are proving to have a very high rate of cure with very few side effects. These treatments will revolutionise the management of Hepatitis C and reduce the burden of cirrhosis and hepatocellular carcinoma. Prof Leggett gave an invited presentation about the clinical impact of these therapies at the 18th GE Society of Queensland Annual Update at Noosa in May 2014.

Dr Skoien also leads a growing clinical and scientific research programme in the broader field of chronic liver diseases. He is a Visiting Scientist at QIMR Berghofer Medical Research Institute where, in collaboration with Prof Grant Ramm of the Hepatic Fibrosis group, he is investigating the role of microRNA as a novel diagnostic test of early hepatocellular carcinoma and potential non-invasive biomarker of fibrosis and predictor of cirrhosis-related complications. The Liver Unit has also developed a number of new clinical initiatives, including the development of a dedicated research database and serum bank of patients with chronic liver disease and a new model of surveillance for Hepatoma and Compensated Cirrhotic Follow-Up (the HACC-FOL programme), which delivers more efficient clinical resource utilisation and improved cost-effectiveness.

Dr Grimpen's ongoing research interests include AUSFAP study, development of 2D visibility map as evaluation tool in colonoscopy (collaboration with CSIRO), development of colonoscopy simulator, colonoscopy preparation for capsule endoscopy (multicentre), and a multicentre study into adenoma detection rate.

## Research staff

Name Qualifications	Position	Interests/specialities
<b>Dr Mark Appleyard</b> MBBS, FRACP	Director of Gastroenterology and Hepatology	Small Bowel Endoscopy
<b>A/Prof Graham Radford-Smith</b> DPhil FRACP	Senior Staff Specialist (Pre-eminent), Honorary Group Leader, QIMR Berghofer	Inflammatory Bowel Disease, TPN, intestinal biomarkers
<b>Prof Barbara Leggett</b> MD FRACP	Pre-eminent Staff Specialist	Colorectal Cancer, Hepatology
<b>Dr Richard Skoien</b> BA, LLB, BSc, MBBS, FRACP, PhD	Staff Specialist – Hepatology	Viral hepatitis, non-alcoholic fatty liver disease, non-invasive assessment of liver disease, liver cancer
<b>Prof Lawrie Powell</b> AC, MD, PhD, DUniv, FRACP, FRCP, FRCPT	Director of Research; Senior Staff Specialist	Haemochromatosis
<b>Dr Florian Grimpen</b> MD FRACP	Staff Specialist – Endoscopy/GE	Interventional Endoscopy
<b>Dr Mariko Howlett</b> MBBS, FRACP	Senior Staff Specialist – IBD/GE	Inflammatory Bowel Diseases

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Georgia Hume</b>	MBBS (Hons), FRACP, PhD	Staff Specialist	Inflammatory Bowel Diseases
<b>Dr John Croese</b>	MBBS, FRACP	Staff Specialist – Gastroenterology	Gastroenterology
<b>Dr Matthew Remedios</b>	MBBS, FRACP	Staff Specialist – Endoscopy	Interventional Endoscopy
<b>Dr Marnie Wood</b>	MBBS, FRACP	Staff Specialist – Hepatology	Clinical Hepatology
<b>Dr Andrew Hallam</b>	MBBS, FRACP	Visiting Medical Officer – Hepatology	Clinical Hepatology
<b>Dr Ben Devereaux</b>	MBBS, FRACP	Visiting Medical Officer – Endoscopy	Interventional Endoscopy
<b>Dr Patrick Walsh</b>	MBChB, FRACP	Visiting Medical Officer – Endoscopy	Interventional Endoscopy
<b>Dr James Irwin</b>	MBBS, FRACP	IBD Research Fellow, MPhil student	Inflammatory Bowel Diseases
<b>Dr Phoebe Thwaites</b>	MBBS	Medical Registrar	Inflammatory Bowel Diseases research
<b>Dr Jason Hwang</b>	MBBS, FRACP	Endoscopy Registrar	Interventional Endoscopy
<b>Dr Estella Johns</b>	MBBS, FRACP	Endoscopy Fellow	Interventional Endoscopy
<b>Ms Yoon An</b>	MBBS	Medical Intern	Clinical Endoscopy Research
<b>A/Prof Vicki Whitehall</b>	PhD	Supervising Scientist	Colorectal Cancer
<b>Dr Catherine Bond</b>	PhD	Postdoctoral Scientist	Colorectal Cancer
<b>Dr Winnie Fernando</b>	PhD	Postdoctoral Scientist	Colorectal Cancer
<b>Troy Dumenil</b>	MAppSci	Research Assistant	Colorectal Cancer
<b>Sally Pearson</b>	Diploma Laboratory Techniques	Research Assistant	Colorectal Cancer
<b>Diane McKeone</b>	Diploma Laboratory Techniques	Research Assistant	Colorectal Cancer
<b>Tracie Corish</b>	BNurs	Research Assistant	Colorectal Cancer
<b>Deborah D'Arcy</b>	BNurs	Clinical Nurse Consultant	Liver Trials
<b>Rita Marangone</b>	BNurs	Clinical Nurse	Liver Trials
<b>Jo Mina</b>	BNurs	Clinical Nurse	Liver Trials
<b>Olivia Cullen</b>	BNurs, BSc	Clinical Nurse Consultant	HCC Surveillance, HACC-FOL
<b>Mrs Katherine Hannigan</b>	BSc (Public Health)	Senior Research Assistant	Inflammatory Bowel Diseases
<b>Ms Lisa Simms</b>	BSc (Hons)	Senior Scientist	Inflammatory Bowel Diseases
<b>Ms Kylie Mesquita</b>	BSc	Research Assistant	Inflammatory Bowel Diseases
<b>Ms Krupa Krishnaprasad</b>	BSc	Senior Research Assistant	Inflammatory Bowel Diseases (ANZIBDC)
<b>Ms Madonna McIntyre</b>	BNurs	Clinical Nurse	Inflammatory Bowel Diseases
<b>Ms Allison Brown</b>	BNur	Clinical Nurse	Inflammatory Bowel Diseases
<b>Mrs Chantal Tabrett</b>	BNurs	Clinical Nurse	Interventional Endoscopy

## Supervised post-graduate research students

Name	Current studies University ; (duration)	Research topic
Dr Mark Bettington	PhD	Identification of molecular features of high risk colorectal polyps
Dr Catherine Bond	PhD submitted 2014	Molecular features distinguishing microsatellite stable versus microsatellite instability high serrated pathway tumours
Dr Winnie Fernando	PhD awarded 2014	Molecular pathogenesis of serrated carcinoma of the colon
Ms Anna Weiss	PhD	Using biomarkers and liver stiffness to detect stage and progression of disease and identify patients at highest risk of cirrhosis-related mortality
Dr James Irwin	MPhil	Longitudinal Predictors of Poor Outcome in Crohn's Disease

## Awards and achievements

Award	Event	Recipient
Young Investigator Award - Second Prize	Gastroenterology Society of Queensland	James Irwin
Investigator Award - Finalist	Gastroenterology Society of Queensland Young	Mark Bettington
Australian Gastroenterology Week Poster of Merit		Mark Bettington
Best Basic Science Oral Presentation	RBWH Healthcare Symposium	Vicki Whitehall
Australian Gastroenterology Week Poster of Merit		Vicki Whitehall

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Appleyard M	The effects of butyrylated high amylose maize starch on polyposis in familial adenomatous polyposis patients	Cancer Council	\$200,000 (2014-2016)
Whitehall V and Leggett B	KRAS- and BRAF-Mediated Methylation Signatures in Colorectal Cancers and Polyps	NHMRC	\$425,636 (2013-2015)
Whitehall, Leggett, Bettington	Wnt and MAPK Signalling in the Determination of Colorectal Neoplasia Pathway	NHMRC	\$383,447 (2014-2016)
Leggett, Whitehall, Bond	Down-regulation of the Tumour Suppressor PRDMS in Sporadic Colorectal Cancer and Precursor Subgroups	RBWHRF	\$64,600 (2014)
Burge, Whitehall, Leggett, Wyld	The Royal Brisbane and Women's Hospital and The Prince Charles Hospital Metastatic Colorectal Cancer Database: A prospective Observational Cohort Study Examining Clinical and Molecular Biomarkers	RBWHRF	\$50,000 (2014)
Van der Pols J, Leggett B, Bain C, Hewett D, Whitehall V	Risk factors for sessile serrated adenoma	Cancer Council Qld	\$200,000 (2014-2015)
Radford-Smith G, Montgomery G, Lawrance I	Genomic Medicine: Predictors of refractory UC and response to treatment	NHMRC	\$849,261 (2014-2015)
Radford-Smith G, Keely S	Serum hypoxia markers as biomarkers for IBD	RBWHRF	\$58,000 (2014)
Radford-Smith G, Simms L	Optimizing the use of colonoscopy in Queensland	QIMR Berghofer RTRCC	\$103,500 (2013-2014)



# Department of Genetic Health Queensland



**Assoc. Prof. Julie McGaughran**  
Director  
Genetic Health Queensland

## Overview

**About this service:** Genetic Health Queensland is a state-wide service which provides clinical genetics services for the whole state of Queensland. The service is based at the Royal Brisbane and Women's Hospital and undertakes clinics at many locations throughout the state including Cairns, Townsville, Mackay, Rockhampton, Bundaberg, Toowoomba, Nambour and Gold Coast.

**Highlights of 2014:** There are 6 consultant staff positions (currently only 5 occupied), 2 advanced trainees and an intern on elective placement. As a state-wide service, GHQ contributes to education and grand rounds both at RBWH and LCCH and across the state. All clinical staff undertake a number of presentations locally to other health professional groups and to non-government organisations. Genetic counsellors work with the medical staff both at RBWH and at sites throughout Queensland. MSc students in genetic counselling have undertaken their practical training in the department. The Queensland Familial Cancer Registry is also part of the department. There are 2 research nurses who are part of the KConFab cancer research group. There is a research assistant employed by the ICCOn familial cancer project. There is a weekly in service, journal club and clinical review meeting. Research interests include dysmorphology, prenatal genetics, cardiac genetics, renal genetics and cancer genetics.

**Benefits for clinical practice:** Given the rarity of many genetic conditions and the availability of some genetic testing only out of state or in a research setting, there is considerable collaboration between staff of the department and national and international colleagues.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>A/Prof Julie McGaughran</b>	BSc (Hons), MB ChB (Hons), MD, FRCP, FRACP	Director	Dysmorphology, cardiac genetics
<b>A/Prof Michael Gabbett</b>	MBBS, MMedSc, FRACP, AFRACMA	Senior Staff Specialist	Prenatal genetics, paediatric genetics
<b>Dr Michael Gattas</b>	MB BS, FRACP	Senior Staff Specialist	
<b>Dr Rachel Susman</b>	BSc MBBS MRCP FRACP	Staff specialist	Cancer genetics
<b>Dr Chirag Patel</b>	MD, MRCPCH, FRACP	Staff Specialist	Paediatric genetics, renal genetics
<b>Dr Helen Marfan</b>	MBBS, MMedSc, FRACP	Staff Specialist	Cancer genetics
<b>Jennifer Berkman</b>	BSc (Hons), MSc, FHGSA	Senior Genetic Counsellor	Cancer and general genetics
<b>Lauren Hunt</b>	BSc, MSc (Hons), FHGSA	Genetic Counsellor	Prenatal screening, cardiac genetics
<b>Jan Wakeling</b>	BSc (Hons), MSc	Associate Genetic Counsellor	Cancer genetics
<b>Pauline McGrath</b>	MNursL, FHGSA	Senior Genetic Counsellor	Prenatal diagnosis/screening
<b>Vicki Fenelly</b>	BN	Research nurse	
<b>Allison Wicht</b>	BN	Research nurse	
<b>Rachel Austin</b>	MSc (Hons)	Clinical research assistant	ICCon State co-ordinator

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Rutstein, A.	Masters (genetic counselling), Griffith University, (2013 -2014)	Optimising genetic counselling support for individuals and families affected by Alport Syndrome - a qualitative study

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## Awards and achievements

Award	Event	Recipient
Churchill Fellowship	Winston Churchill Memorial Trust	McGrath, P.
Investigator Finalist	International Clinical Cardiovascular Genetics Conference	Hunt, L.

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Julie McGaughran	The Inherited Cancer Connect (Iccon) Partnership. Chief Investigator (16).	Cancer Council of NSW, Strategic Research Partnership Grant	\$1,964,769 (2013-2018)
Helen Mar Fan, Rachel Susman, Barbara Leggett, Vicki Whitehall	Study into hereditary flat adenoma syndrome	RBWH Foundation, Research Initiative Grant	\$31,800 (2014-2015)
Pauline McGrath	To review the delivery of counselling support for women undergoing new prenatal technology	Winston Churchill Memorial Trust, Research Grant	\$22,000 (2014)
Jennifer Berkman, Julie McGaughran, Jan Wakeling, Julie White, Val Hyland, John Rowell, Glenn Francis	Indirect BRCA1/2 gene testing: development of a protocol for testing in families without a living cancer-affected family member	RBWH Private Practice Trust Fund, Research Grant	\$30,000 (2013-2014)

# Department of Infectious Diseases Unit



**Assoc. Prof. Tony Allworth**  
Director  
Infectious Disease

## Overview

**About this service:** The Infectious Diseases Unit is a broad based multi-disciplinary Unit providing a range of services both across the RBWH campus and beyond. It has a major role as a consultative service for the clinical management of patients with infectious diseases problems across all disciplines. The inpatient activity of the Unit is focused on care of patients with complex infectious diseases such as HIV, and other specialised infectious diseases such as malaria, melioidosis, encephalitis, and meningitis. The Unit is also an isolation ward for patients colonised with multiresistant organisms, those infected with airborne pathogens such as tuberculosis, varicella, SARS and influenza, and it includes the high containment unit for the management of organisms such as those causing viral haemorrhagic fevers, a facility that was utilised successfully on a number of occasions in the context of concerns regarding potential cases of Ebola virus disease. The Unit provides ongoing education for the graduate medical program with clinical attachments for medical students as well as clinical teaching for the physician trainees. The Richard Kemp Day Therapy Unit provides cost-effective care by facilitating out-patient therapy and the placement of peripherally inserted central catheters (PICCs). The Unit also is the hub for the RBWH Hospital in the Home Program, and the Antimicrobial Stewardship Program of RBWH. The Infection Monitoring and Prevention Service provides a campus-wide, facility-specific infection control program, which aims to meet the needs of patients and staff and provides expert advice

throughout the campus with regard to issues pertinent to infection control. The Vascular Access Surveillance and Education Unit focuses on education and support of clinical areas regarding the insertion, management and care of vascular access in inpatients throughout the hospital. The service continues to conduct a twice-yearly IV cannulation course for both Queensland Health and external clients, including Graduate Medical Course students. The Health Care Worker Vaccination Service contributes to the health and wellbeing of our staff by providing advice and vaccinations for health care workers, and has a major role in the annual Influenza immunisation program.

The research interests of the Unit are diverse including anti-microbial therapies and resistance, epidemiology especially in the nosocomial setting, parasitology and its overlap with other disciplines including HIV medicine and immunological diseases, zoonotic infections, and HIV/AIDS. The medical staff of the Unit are focussed upon the translation of basic science research into clinical application and have affiliations with the Queensland Institute of Medical Research, the University of Queensland, particularly through the Centre for Clinical Research and the Australian Infectious Diseases Research Centre. Professor McCarthy's research group investigates how parasites such as the malaria parasite, hookworm, threadworm and scabies cause disease and how they become resistant to drugs used to treat them. The group also identifies new drugs and drug targets, and develops novel diagnostic techniques. The focus of this group is to apply modern techniques in microbiology, molecular biology and immunology to study clinical problems associated with infectious diseases in tropical environments. A particular interest in this laboratory is the study of drugs and drug resistance in a range of parasites, and the development of novel diagnostic techniques.

**Highlights of 2014:** The research interests of the unit are diverse including antimicrobial therapies and resistance, epidemiology especially in the nosocomial setting, parasitology and its overlap with other disciplines including HIV medicine, and immunological diseases and zoonotic infections.

The major focus of Professor McCarthy's group in 2014 was to evaluate the activity of experimental antimalarial drugs. Particular highlights have included: The discovery that the experimental antimalarial DSM265 has very promising antimalarial activity; Successful completion of a Pre-IND with the USA FDA for a genetically modified malaria vaccine, and; the finding that certain antimalarial drugs likely make people treated with them infectious to mosquitoes.

The major focus of Professor Paterson's group in 2014 was to initiate randomised controlled trials in hospital-based infectious diseases. The MERINO trial (a multicountry study of meropenem versus piperacillin/tazobactam for bacteremia due to ESBL producing organisms) was initiated in February 2014, with the first patients enrolled worldwide coming from the RBWH.

**Benefits for clinical practice:** Our research aims to provide optimum care for patients with infections across the spectrum of pathologies. This is exemplified by Prof McCarthy's group who work testing new antimalarial drugs is playing a key role in advancing new treatments for malaria into the clinic, and Prof Paterson's group performing investigator-initiated randomised trials searching for the best ways to treat multiresistant bacteria.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Associate Professor, Tony Allworth</b>	MBBS (Hons 1), FRACP, FRCPA, FACTM, MASM	Director, Infectious Diseases, Visiting Scientist, UQ CCR	HIV/AIDS, antibiotic resistance, influenza, therapeutic trials
<b>Dr Krispin Hajkowicz</b>	MBBS, FRACP	Consultant Physician, Infectious Diseases Unit and Internal Medicine & Aged Care	Hospital in the Home, Antimicrobial Stewardship, Viral hepatitis

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Professor James McCarthy MD</b>	FRACP, DH&TM (Lon)	Consultant Physician, Infectious Diseases Unit, Visiting Scientist QIMR, Infectious Diseases	Parasitology, Malaria, Vaccine trials
<b>Prof David Paterson</b>	MBBS, FRACP, FRCPA	Consultant Physician, Infectious Diseases Unit, Microbiologist, Pathology Queensland, Professor Infectious Diseases, UQ	Antimicrobial resistance, Infections in ICU
<b>Dr Andrew Redmond</b>	MBBS, FRACP	Consultant Physician, Infectious Diseases Unit, Visiting Scientist QIMR Berghofer, Infectious Diseases	HIV and sexually transmitted infections
<b>Associate Professor Marion Woods MD,</b>	MPH, FRACP, FACP, FAFPHM	Consultant Physician, Infectious Diseases Unit, Visiting Scientist QIMR, Infectious Diseases	Clinical epidemiology, HIV, Disease Pathogenesis
<b>Mr Geoff McQueen</b>	Bach Nurs	Nurse Unit Manager, Wattlebrae	
<b>Ms Michelle Doidge</b>	Bach Nurs	CNC, Infection Control	
<b>Mr Michael Terry</b>	Bach Nurs	CNC, Infection Control	
<b>Stacey Llewellyn</b>	BAppSc(hons)	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	Intestinal parasites/molecular detection methods
<b>Ryan Farid</b>	BSc, GCEcon	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	Cell biology, biochemistry, PCR
<b>Rebecca Pawliw</b>	B App Sci, B App Sci (hons)	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	Virology, Rickettsiology
<b>Melanie Rampton</b>	B BiomedSc(hons), BMedHealthSci	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	Molecular Biology
<b>Romal Stewart</b>	B BiomedSc(hons)	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	
<b>Katharine Trenholme</b>	BSc, MSc, PhD	Senior Research Fellow, Clinical Tropical Medicine, QIMR Berghofer MRI	
<b>Cielo Pasay</b>	BHLthSc, MPH, PhD	Research Officer, Clinical Tropical Medicine, QIMR Berghofer	
<b>Mallory King</b>	B BiomedSc(hons)	Research Assistant, Clinical Tropical Medicine, QIMR Berghofer	

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Britton, S.	PhD UQ (2011-2015)	Plasmodium vivax high-throughput loop mediated isothermal amplification (LAMP): improving the diagnostic repertoire for malaria elimination
Butterworth, A.	PhD UQ (2011-2014)	Targeting Plasmodium falciparum gametocytes
Griffin, P.	MPhil UQ (2014-2016)	Clinical trial of antimalarial drugs
Aghazadeh, M.	PhD UQ (2012-2015)	Angiostrongyloidiasis in Brisbane
Rogers, B.	PhD UQ (2012-2015)	Risk factors for ESBL producing organisms
Harris, P.	PhD UQ (2014-2017)	Optimal therapies for ESBL producing organisms
McCarthy, K.	PhD UQ (2012-2017)	Pseudomonas aeruginosa bloodstream infections
Zowawi, H.	PhD UQ (2012-2015)	Multiresistant organisms in the Gulf Cooperation States

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## Awards and achievements

Award	Event	Recipient
QIMRB MRI Higher Degrees Committee Travel Award	International Conference on Research into Plasmodium vivax (ICRPV5) 2015	Britton, S.
Elsevier Clinical Research Award	ASTMH	Griffin, P.



# Department of Internal Medicine and Aged Care



**Assoc. Prof. Charles Denaro**  
Director  
Internal Medicine and  
Aged Care

## Overview

**About this service:** The Internal Medicine Research Unit supports a broad range of investigator initiated research across the lifespan, from pre-conception to old age. Our main areas of research investigate the care and outcomes of acutely hospitalised older people; people with chronic disease; and pregnant women.

**Highlights of 2014:** We continue to develop skilled postgraduate researchers, enhancing our capacity to conduct large scale collaborative trials and developing increasing national and international links. We are proud of our record in translation of research findings into practice, emphasising the role of strong clinical-academic partnerships. For example, in 2014 Dr Mudge and collaborators obtained a \$1.5 million Queensland Accelerate Partnership grant to investigate the scalability and transferability of a successful pilot model for improving care of hospitalised elders; Ms Adsett helped lead development of an enhanced web resource for health care providers in cardiovascular disease; and Dr Lust led review of state-wide guidelines in obstetric medical practice.

**Benefits for clinical practice:** Our health services research programme continues to deliver directly measureable benefits to older patients, with documented improvement in clinical outcomes (geriatric syndromes and discharge home) and length of stay for older inpatients.

Our clinical trials are testing a variety of clinical interventions, including new drugs, bioactive supplements, and non-pharmacological interventions which offer the potential to improve health and/or reduce costs in a range of health conditions.

Our researchers actively engage in translation activities including presenting at national and international forums, teaching, high level leadership and clinical redesign of services based on emerging evidence.

We are developing strong national and international collaborations which will enhance the generalisability and impact of our research.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Adj Prof Alison Mudge</b>	PhD, FRACP, MBBS (Hons), Grad Cert Health Ec	Health and Medical Research Fellow; Clinical Director Research and Education, IMAC	Health services research, geriatrics
<b>Assoc Prof Charles Denaro</b>	MD, FRACP, MBBS	Director, Internal Medicine and Aged Care	Clinical pharmacology
<b>Peter Donovan</b>	MBBS FRACP BAppSc Grad Cert(Pharmacoeconomics)		
<b>Prof. Leonie Callaway</b>	MBBS(Hons), FRACP, PHD, GCE Lead	Head RBWH Clinical School Staff Specialist General & Obstetric medicine	Obstetric medicine
<b>Dr Karin Lust</b>	MBBS, FRACP	Clinical Director of Obstetric Medicine & Staff Specialist General medicine	Obstetric medicine
<b>Dr Narelle Fagermo</b>	MBBS, FRACP	Staff Specialist General & Obstetric medicine	Obstetric medicine
<b>Dr Penny Wolski</b>	MBBS, FRACP	Staff Specialist Endocrinology & Obstetric medicine	Obstetric medicine
<b>Dr Helen Barrett</b>	BSc(Hons) MBBS(Hons) FRACP	Staff Specialist Endocrinology & Obstetric medicine	Obstetric medicine
<b>Dr Marloes Dekker Nitert</b>	MSc, Med Lic, PhD, GCE (clinical trials)	Senior Research Fellow, Royal Brisbane Clinical School	
<b>Julie Adsett</b>	BPhy (Hons)	Senior Physiotherapist, Heart Failure Service	Exercise training and chronic disease
<b>Jessica Suna</b>	BN, B App Sci, M Hlth Sci (Res)	Project coordinator/Nurse Researcher	Clinical trials, health services research
<b>Diane Bookless</b>	BN, Grad Dip (Community Health), RM	Research Assistant	Clinical trials, health services research
<b>Katie Foxcroft</b>	RN, RM, MApp Sc (Research)	Coordinator Nurse Research	Obstetric medicine, clinical trials
<b>Lisa Mitchell</b>	RN, MSSc(Health Practice)	Project coordinator / Nurse Researcher	Health service improvement
<b>Xanthe Sansome</b>	B Phy	Research Assistant	Clinical trials

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Naomi Achong	PhD, UQ, (2012-)	Insulin requirements in the Peripartum period in type 1 diabetes mellitus
Julie Adsett	PhD, Griffith Uni, (2012-2017)	Aquatic exercise for patients with stable heart failure
Luisa Gomez Arango	PhD, UQ, (2014-2017)	The gut microbiome in overweight and obese pregnancy
Helen Barrett	PhD, UQ, (2011-2014)	Maternal Lipids in Pregnancy
Fiona Britten	PhD, UQ, (2015-2018)	Breastfeeding in Type 2 diabetes mellitus
Jill Campbell	PhD, QUT (2013-2016)	Candida colonisation and incontinence associated dermatitis
Susan deJersey	PhD, QUT, (2011-2014)	Are we missing opportunities: understanding health behaviours associated with overweight in pregnancy
Lisa Harris	PhD, UQ, (2012-)	Pre-Eclampsia: Early identification of at-risk patients and clinical implications
Kristine Matusiak	MPhil, UQ, (2012-2016)	Periconceptional weight loss and the HPA axis in neonates
Prue McRae	M Phil, UQ, (2012-2015)	Understanding the occurrence of geriatric syndromes in older surgical patients
Brooke Myers	PhD, UQ, Upgraded to PhD studies 2014, expected completion 2017	Role of the pharmacist on the post-take medical ward round
Helen Robinson	PhD, UQ, (2015-2018)	Carbohydrate restriction and ketones in pregnancy

## Awards and achievements

Award	Event	Recipient
Heart Foundation Collaboration and Exchange Award	Travel and attendance to a research group in France and European Society of Cardiology Heart Failure Congress in Athens	Julie Adsett
Professor William Burnett Research Fellowship,	UQ, School of Medicine 2013-2015	Prue McRae
Patricia Dukes Postdoctoral Fellowship		Alison Mudge
Health and Medical Research Fellowship		Alison Mudge

## Research grants

Investigators *RBWH researcher	Project title	Granting body and scheme	Amount awarded (years)
Adsett J*, Mudge A*, Morris N	Effect of aquatic exercise on physiological parameters for patients with stable heart failure	RBWH, Foundation Grant 2014	\$8527.50 (2014-2015)
Adsett J*, Mudge A*, Morris N	Safety and efficacy of aquatic exercise in patients with stable heart failure	National Heart Foundation of Australia, Post graduate scholarship	\$71,439.50 (2012-2017)
Callaway L*, Dekker Nitert M,* Barrett HL*, Morrison M	How important is a mother's touch?	RBWH Foundation, Project	\$40,000 (2014)
Callaway LK, McIntyre HD, Dekker Nitert M,	Spring : Can administration of probiotics prevent gestational diabetes: a randomised controlled trial.	NHMRC, Project	\$828,717 (2012-2016)

## Research grants

Investigators *RBWH researcher	Project title	Granting body and scheme	Amount awarded (years)
Czovek D, Sly P, Callaway L*, McIntyre HD, Dekker Nitert M*	Longitudinal effects of probiotic supplementation during pregnancy on the body composition and growth of infants	Queensland health Strategic Health Initiatives, Project	\$78,000 (2014)
Donald McLeod, Peter Donovan*, Michael Keogh	Treat to target TRAb in Graves' disease	RWBH Foundation, Project	\$41,170 (2014)
Donovan P*, Duncan E, Mudge A*, Rowlands C, Tesar P	Teriparatide for pelvic fracture healing	RBWH Foundation, New specialist grant	\$50,000 (2013-2014)
Douglas C, Blaber C, Mudge A* and EOLC committee	Point prevalence survey of end of life predictors and care in a major tertiary hospital	MNHHS, SEED	\$75,000 (2014-2015)
Hickey A, Adsett J*	HEART Online enhancement project	Clinical access and redesign unit, Contracted	\$136,000 (2014-2015)
Lust K*, Matusiak K, Callaway L K*, Dekker Nitert M*, Barrett HL*	Periconception weight loss and the epigenetic regulation of stress and growth in the infant	RBWH foundation, Project	\$40,000 (2014)
Mudge A*, McRae P	Improving care of older orthopaedic patients: Eat Walk Engage	MNHHS, SEED	\$90,000 (2013-2014)
Mudge A, Banks M, Barnett A, Blackberry I, Chang A, Graves N, Hubbard R, Inouye S, Kurrle S, Lim K, McRae P, Peel N, Young A	CHERISH: Collaborative for Hospitalised Elders Reducing the Impact of Stays in Hospital	Queensland Government, Accelerate Partnership	\$1,600,000 (2014-2017)
Thoms LM, Sly P, Callaway L*, Dekker Nitert M*, Barrett H*	Study of environmental pollutants—transfer from mother to fetus	QCMR and QUT collaborative seeding grants scheme, Project	\$25,000 (2014)
Young A, Mudge A*, Banks M, Isenring E, Ross L, Kimble R, Whiting E	Hospital to home outreach for malnourished elders (HHOME)	Australian Centre for Health Service Innovation, Strategic Grant	\$75,000 (2013-2014)

# Department of Neurology



**Dr Andrew Wong**  
Director  
RBWH Neurology and Stroke  
Snr Neurologist, TPC

## Overview

**About this service:** The RBWH Neurology Department provides general neurology and subspecialty care to RBWH, Metro North HHS and many areas within Queensland. We have a strong interest in research in the fields of stroke, multiple sclerosis, motor neuron disease, epilepsy, movement disorders, neuropathy and neuroimmunology.

**Highlights of 2014:** Many of our staff members engage in university-based clinician-led research and research higher degree supervision, especially with the University of Queensland. We also collaborate with researchers around Australia and internationally in large multi-centre studies.

Members of the epilepsy group won the international seizure prediction contest, beating 504 other international groups. This was a competition hosted by the American Epilepsy Society, NIH and NINDS.

**Benefits for clinical practice:** We research neurological conditions to investigate why disease occurs in the nervous system, how it causes illness and how we might diagnose and treat these conditions better. Our research includes understanding the mechanisms behind motor neuron disease and identifying biomarkers for disease onset and progression. We study advanced imaging in the emergency diagnosis of stroke and how this may guide experimental therapies applicable within the first few hours

after stroke. Our epilepsy work includes prediction of seizures, imaging of the neurological structures involved in epilepsy and studying the complications of epilepsy. We research mood disorders (e.g. anxiety and depression) in Parkinson's disease including diagnosis, management with psychotherapy and understanding the neuropsychology of the processing of emotion in Parkinson's disease. The results of our research change clinical practice both at a local level and through contributing evidence for the development of national guidelines.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Professor Pamela McCombe</b>	BSc, MBBS (Hons), PhD, FRACP	Senior Neurologist	Motor Neuron Disease (MND), immune responses in Stroke/ Inflammatory Neuropathy
<b>Professor David Reutens</b>	MBBS, MD, FRACP	Senior Neurologist	Epilepsy
<b>Assoc Prof John O'Sullivan</b>	MBBS, PhD, FRACP	Senior Neurologist	Movement disorders
<b>Assoc Prof Lata Vadlamudi</b>	MBBS, PhD, FRACGP, FRACP	Senior Neurologist	Epilepsy
<b>Dr Stefan Blum</b>	Dr. Med, FRACP	Neurologist	Neuroimmunology
<b>Dr Robert Henderson</b>	MBBS, PhD, FRACP	Senior Neurologist	Motor Neuron Disease (MND)
<b>Dr Andrew Wong</b>	MBBS (Hons), PhD, FRACP	Senior Neurologist, Director, RBWH Neurology and Stroke	Stroke
<b>Dr Stephen Read</b>	MBBS, PhD, FRACP	Honorary Neurologist	Stroke
<b>Dr Rodney Marsh</b>	MB BS FRANZCP	Visiting Psychiatrist	Neuropsychiatry
<b>Dr Philip Mosley</b>	MB BS	Neuropsychiatry Fellow	Neuropsychiatry
<b>Dr Zara Ioannides</b>	MBBS, BSc (Hons)	Advanced Trainee, Neurology	
<b>Dr Annemarie Van Heuven</b>	MBBS	Advanced Trainee, Neurology	
<b>Dr Kimberley Forrest</b>	BSc MB BS	Research Fellow	Movement Disorder, Neuromuscular
<b>Genevieve Skinner</b>	RN	Stroke Research Coordinator	Stroke
<b>Tennille Rowland</b>	BOccThy, MPhil	Occupational Therapist	Stroke
<b>Amy Jones</b>	BN	Clinical Research Nurse	Movement disorders, Parkinson's disease
<b>Anna Nolan</b>	BN	Clinical Research Nurse	Huntington's disease Friedreich's Ataxia
<b>Professor Alan Coulthard</b>	BMedSci, MBBS, FRCSEd, FRCR, FRANZCR	Deputy Director Medical Imaging Research; Senior Interventional Neuroradiologist	Collaborator

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr John Clouston</b>	MBBS, FRANZCR	Director, Department of Medical Imaging; Senior Interventional Neuroradiologist	Collaborator
<b>Dr Ken Mitchell</b>	MBBS, DRANZCR, FRANZCR	Senior Interventional Neuroradiologist	Collaborator
<b>A/Prof David Copland</b>	BSpPath, PhD	ARC Future Fellow and UQ Principal Research Fellow, UQCCR & School of Health & Rehabilitation Sciences	Collaborator
<b>Dr Nadeeka Dissanayaka</b>	BSc (hons 1), PhD	Lions Medical Research Fellow	Neuropsychiatry in Parkinson's disease
<b>Tiffany Au</b>	BSc (hons)	Research Assistant	Parkinson's disease
<b>Dr Simon Finnigan</b>	BSc, PhD	Senior Research Fellow, UQCCR	Collaborator
<b>Dr Kimberley Forrest</b>	MBBS, B Sc	Research Fellow, RBWH	MND/ movement disorders
<b>Dr Shyuan Ngo</b>	B Sc, Ph D	Research Fellow, UQ	Metabolic dysfunction in MND / biomarkers in MND
<b>Assoc Professor Peter Noakes</b>	B Sc(Hons), Ph D	Associate Professor, UQ	Neuromuscular junctions in MND
<b>Dr Frederick Steyn</b>	Ph D	Senior Research Officer Ass. Lecturer (SBMS) UQ	Metabolism in MND
<b>Dr Susie Mantovani</b>	Ph D	Research Fellow, UQ	Complement receptors
<b>Casey Pfluger</b>	B Applied Sc (Hons) (Biotechnology)	Research Assistant, UQ	Biomarkers in MND
<b>Dr Anjali Henders</b>	B Sc (Hons)	Human Studies Manager, QBI	Epidemiology
<b>Professor Naomi Wray</b>	B Sc, Ph D	Co-director Centre of Neurogenetics & Statistical Genomics, QBI	Genetics/genomics methodology with application to psychiatric and neurological disorders
<b>Dr Marie Mangelsdorf</b>	B Sc (Hons), Ph D	Research Fellow, QBI	Molecular mechanisms of MND and epilepsy
<b>Dr Rosemary Argall</b>	BPsy, PhD	Neuropsychologist, RBWH	Neuropsychology research in MND
<b>Susan Heggie</b>	B Nurs	Research Nurse, RBWH	Neurology / MND
<b>Kathryn Thorpe</b>	RN	Research Nurse, RBWH	Neurology / MND
<b>Dr Viktor Vegh</b>	PhD	Research Fellow	Epilepsy
<b>Dr Jeremy Ullman</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Lars Marstaller</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Min Chen</b>	MBBS PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Hana Burianova</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Qiang Yu</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Marcus Gray</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Simone Bosshard</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Dr Taracad Venkatachalam</b>	PhD DSc	Research Fellow	Epilepsy
<b>Dr Michael Vogel</b>	PhD	Post-doctoral Fellow	Epilepsy
<b>Mr Sam Fynes-Clinton</b>	MPhil	Research Assistant	Epilepsy
<b>Dr Quang Tieng</b>	PhD	Scientist	Epilepsy

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Caradonna, P.	PhD, UQ, (2014-2016)	Hybrid Imaging
Choupan, J.	PhD, UQ, (2013-2015)	Multivoxel pattern analysis in fMRI
Du, J.	PhD, UQ, (2012-2015)	Neural Current MRI
Faizo, N.	PhD, UQ, (2013-2015)	Spike triggered EEG-fMRI in epilepsy
Hennessey, D.*	Masters UQ, (2013-2016)	Clinical Psychology: Emotional inhibition in PD: An EEG study
Idu Jion, F.*	Doctorate UQ (2012-2014)	Clinical Psychology and Clinical Neuropsychology School of Psychology, Mindfulness intervention for PD
Nells, R.*	UQCCR- scholarship UQ (2013-2014)	EEGs studies in PD- Review
Pellicier, R.	PhD, UQ, (2014-2016)	Ultra-low field NMR/MRI
Pye, D.*	Doctorate, UQ (2014-2015)	Clinical Psychology and Geropsychology: Cognitive behaviour therapy for anxiety in PD
Schleiger, E.	PhD, UQ (2014-)	Quantitative EEG in stroke; enhanced prognostication of post-stroke cognitive impairment with early EEG assessments
Sheikh, N.	PhD UQ, (2011-)	Quantitative EEG in stroke
Torbey, E.*	Doctorate UQ (2012-2014)	Clinical Psychology and Clinical Neuropsychology; Assessing depression and anxiety in Parkinson's disease (PD)
Wade, R.*	Doctorate UQ, (2013-2016)	Clinical Psychology and Clinical Neuropsychology: Interventions for sleep disturbances in PD
White, E.*	UQCCR-scholarship UQ (2013-2014)	Characteristics of anxiety in PD
Wu, T.	PhD, UQ, (2013-2015)	Small animal fMRI
Xu, Z.	PhD, UQ (2014 – 2017)	Cognitive dysfunction in Motor Neurone Disease
Yang, J*	PhD UQ (2014-2018)	Mild cognitive impairment in PD: An fMRI study

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Berkovic, S. F.; Jackson, G. D.; Gecz, J.; Connelly, A.; Scheffer, I. E.; Reutens, D. C.*, Petrou, S.; Dibbens, L.; Calamante, F.; Thomas, P.	Neurobiology of human epilepsy: Genes, cellular mechanisms, networks and whole brain	NHMRC, Program Grant No: 628952	\$16,450,000 (2011-2015)
Brown, M. A.; Xu, H.; Bartlett, P. F.; Wallace, R. H.; Visscher, P. M.; Mowry, B. J.; Reutens, D. C.*	Sino-Australian neurogenetics initiative	ARC Linkage	\$690,000 (2011-2014)
Dissanayaka, N.*,	New methods to diagnose and treat depression and anxiety in Parkinson's disease patients	Lions, Medical Research Fellowship	\$300,00 (2013-2016)
Dissanayaka, N.*, Byrne, G.*, O'Sullivan J.D.*, Marsh R.*, Copland D.; Angwin A.; Breakspear M.; Garrido M.; Silburn P.; Mellick G.;	Developing a non-invasive composite measure to enhance accuracy of identifying anxiety in Parkinson's disease	RBWH, Project Grant	\$70,000 (2014)

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Gericke, C.; Reutens, D.*; Vadlamudi, L.*; Pelekanos, J.*; Treymayne, F.*; Duncan, E.	Improving Care and outcomes for patients with a suspected first epileptic seizure	AusHSI, Stimulus Grant SG0015-000496	\$75,000 (2014-2015)
Henderson, R.*; McCombe, P.*	Blood biomarkers in ALS: Translation into clinical practice of pNFH and search for additional biomarkers using proteomics.	MND Research Institute of Australia, Project Grant	\$100,000 (2014)
Janke, A. L.; McLachlan, G. J.; Ullmann, J.; Hamilton, N.; Brereton, I. M.; Reutens, D. C.*; Galloway, G. J.; Ross, J. A.	System to synapse	ARC, Linkage Project LP130100881	\$174,000 (2013-2015)
Muller, M.; Reutens, D. C.*; Paratz, J.; Burianova, H.; Harrison, J.; Dulhunty, J.; Redman, B.	Prevention of burn injury - the neural correlates of risk-taking behaviours	RBWH Foundation	\$58,000 (2014)
Pelekanos, J.*	Epilepsy Database development	UCB, UCB Practice Activity Grant	\$30,000 (2014)
Reutens, D. C.*		NHMRC, Practitioner Fellowship Grant No: 631352	\$504,875 (2010-2014)
Reutens, D. C.*; Gray, M.	Investigations of Mechanisms Underlying Autonomic Cardiovascular Regulation in Mesial Temporal Lobe Epilepsy	RBWH Foundation	\$48,251 (2014)
Reutens, D. C.*; & 26 other CIs	The Science of Learning Research Centre	ARC, Special Research Initiative: SR120300015	\$16,000,000 (2013-2016)
Reutens, D. C.*; Speck, O.; Vegh, V.	A novel magnetic resonance imaging (MRI) technique to characterise white matter microstructure in the brain	ARC, Discovery Project. DP140103593	\$365,000 (2014-2016)
Reutens, D.*	Centre for Advanced Imaging	Queensland Department of Employment, Economic Development and Innovation	\$2,200,000 (2012-2014)
Reutens, D.*	Characterisation Virtual Laboratory	National eResearch Collaboration Tools and Resources Grant	\$409,382 (2012-2014)
Reutens, D.*	ACRF Facility for Molecular Imaging Agents in Cancer	Australian Cancer Research Foundation	\$2,500,000 (2014)
Reutens, D.*; Meikle, S.; Venkatachalam, T.; Turner, I.; Benlloch, J.; Boyd, A.; Vegh, V.; Gonzalez, A.; Bhalla, R.; Yang, Z.	Advancing hybrid imaging with magnetic resonance imaging and positron emission tomography (MRI-PET)	ARC, Linkage Project LP130100703	\$300,000 (2013-2016)
Ullmann, J. F. P.; Janke, A.; Kurniawan, N. D.; Yang, S.; Wullmann, M.; Reutens, D. C.*	A population-based atlas of the zebrafish brain for quantitative phenotypic comparisons of disease models	NIH R03, Grant from the National Institute of Neurological Disorders and Stroke	\$75,000 (2012-2014)
Vadlamudi, L.*	Genetics of epilepsy: a twin approach to complex and non-traditional inheritance patterns	Queensland Health, Research Fellowship	\$400,000 (2012-2017)
Vadlamudi, L.*	Genetics of epilepsy: a twin approach to complex and non-traditional inheritance patterns	Viertel Charitable Foundation, Establishment Grant	\$85,000 (2014-2016)
Vadlamudi, L.*	Genetics of epilepsy: a twin approach to complex and non-traditional inheritance patterns	Ramaciotti, Establishment Grant	\$75,000 (2014-2015)
Vadlamudi, L.*	Genetics of epilepsy: a twin approach to complex and non-traditional inheritance patterns	Royal Australasian College of Physicians, Servier Barry Young Fellowship in Neurology	\$50,000 (2014-2015)

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Vadlamudi, L.*	Genetics of epilepsy: a twin approach to complex and non-traditional inheritance patterns	RBWH, Project Grant	\$40,000 (2014)
Vadlamudi, L.*, Nyholt, D.	Searching for genetic differences between monozygous twin pairs discordant for epilepsy	QIMR, Clinician Research Collaboration Award	\$40,000 (2014)
Vegh, V.; Reutens, D.*	Fingolimod (FTY720) augmented remyelination in multiple sclerosis with MRI-based disease staging	Novartis	\$80,000 (2014)



# Department of Nuclear Medicine / Specialised PET Services QLD



**Dr William Fong**  
Director  
Nuclear Medicine

## Overview

**About this service:** The Department of Nuclear Medicine at the Royal Brisbane and Women's Hospital (RBWH) is one of the largest in Australia. It provides a referral, diagnostic and therapeutic nuclear medicine service with four SPECT/CT gamma cameras, one solid state cardiac camera, BMD dual energy X-ray absorptiometry (DEXA) and a pQCT scanner. Research interests in nuclear medicine include image reconstruction methodologies, application of gating and bone mineral densitometry in various disease states.

The department hosts the state-wide Specialised PET Services Queensland, which operates two state-of-the-art PET/CT scanners and a cyclotron. It offers research facilities to a wide variety of investigators. In addition to conventional tracers such as fluorodeoxyglucose (18FDG), the Service also conducts research using 18FDOPA, 18FMISO and 68Ga-DOTATATE and 68Ga-PSMA. 68Ga-Pentixafor is currently being used in animal studies, allowing for the study and research of a greater range of diseases. There is also ongoing research interest in image reconstruction algorithms, respiratory gating and image analysis techniques.

## Research staff

Name Qualifications	Position	Interests/specialities
<b>Dr William Fong</b> MBBS, FRACP	Director, Nuclear Medicine	paediatric nuclear medicine
<b>Dr David Macfarlane</b> MBBS, FRACP	Deputy Director, Nuclear Medicine; Director, Specialised PET Services Queensland	radionuclide therapy, positron emission tomography (PET)
<b>Dr Aravind Ravi Kumar</b> MBBS, FRACP	Senior Staff Specialist	nuclear cardiology, nuclear oncology, training and education
<b>Dr Frank Fiumara</b> MBBS, FRACP, MBA	Senior Staff Specialist	PET, paediatric nuclear medicine
<b>Dr Paul Thomas</b> B.Med., FRACP	Assistant Director, Specialised PET Services Queensland	neuro-oncology imaging, kinetic analysis of PET tracers
<b>Dr Marissa Bartlett</b> PhD Physics, MACPSEM	Principal Medical Physicist	radiation safety, nuclear medicine and PET radio isotope imaging
<b>Dr Matthew Griffiths</b> PhD Medical Physics, MACPSEM	Director of Sciences, Principal Physicist	cyclotron production of radioisotopes, medical imaging of radioisotopes
<b>Dr Jye Smith</b> PhD Medical Physics, MACPSEM	Senior Medical Physicist	computer processing of medical images, radio isotope production
<b>Mr Bruce Wallace</b> MAppSc Medical Physics, MACPSEM	Senior Medical Physicist	medical and health physics
<b>Dr Stephen Taylor</b> PhD Synthetic Organic Chemistry	PET Radiochemist	radiopharmaceutical chemistry, PET radiopharmaceutical development
<b>Dr Melissa Latter</b> PhD Chemistry	PET Radiochemist	radiopharmaceutical chemistry, PET radiopharmaceutical development
<b>Ms Sandra Kemp</b> General Nursing	Clinical Nurse Consultant; Study Coordinator (Nursing)	oncology, neurology, radionuclide therapy, positron emission tomography (PET)
<b>Mr Travis Pearson</b> BAppSci(NMT), MBA	Director of Nuclear Medicine Technology	multi-modality imaging
<b>Ms Louise Campbell</b> BAppSci(NMT), GradDipBusAdmin	Director of PET Technology	multi-modality imaging
<b>Mr Peter Garcia</b> BAppSci(NMT), MHLthSci	Senior Nuclear Medicine Scientist	multi-modality imaging
<b>Mr Peter Garcia</b> BAppSci(NMT), MHLthSci	Nuclear Medicine Scientist	multi-modality imaging
<b>Ms Sarah Frecker</b> BAppSci(NMT)	Nuclear Medicine Scientist	multi-modality imaging
<b>Ms Rowena Rose</b> BAppSci(NMT)	Nuclear Medicine Scientist	multi-modality imaging

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Mr James Turner</b>	BAppSci(NMT)	Nuclear Medicine Scientist	multi-modality imaging
<b>Mr Jacob Bolwell</b>	BAppSci(NMT)	Nuclear Medicine Scientist	multi-modality imaging
<b>Dr Steven Goodman</b>	PhD Physic	Medical Physicist	radionuclide therapy, dosimetry, medical image processing

## Supervised post-graduate research students

Name	Current studies (duration); University	Research topic
Baroom, G.	Master of Applied Science (Medical Physics), QUT (2014)	Assessment of isotopes for targeted radionuclides therapy

## Awards and achievements

Award	Event	Recipient
2014 Canon Extreme Imaging Award		Nicholas Dawson, Paul Thomas, Stephen Rose

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Rose, S., Fay, M., <b>Thomas, P.</b> ,* Salvado, O., Crozier, S., Coulthard, A.	Understanding radiation insensitivity and temozolomide resistance in glioblastoma multiforme	Cancer Council Queensland Cancer Research Grant, Project	\$199,840 (2013-2014)
Rose, S., Russell, P., Boyd, A., Crozier, S., Whittaker, A., Salvado, O., Obermair, A., Coulthard, A., Gardiner, F., Lavin, M., Lakhani, S., Kenny, L., Fisk, N., Langton, C., Farah, C., Mitchell, M., Rice, G., <b>Macfarlane, D.</b> *	Establishment of the "Australian Cancer Research Foundation (ACRF) Molecular Oncology Translational Imaging Facility"	Australian Cancer Research Foundation (ACRF), Research Infrastructure	\$2,000,000 (2013-2014)
Fornito, A., Cropley, V., <b>Thomas, P.</b> *, Harrison, B., Pantelis, Francey	The link between dopamine and brain circuit dysfunction in early psychosis.	NHMRC (2013), Project	\$828,633 (2014-2018)
Moller, A., <b>Thomas, P.</b> *	Exploiting expression of CXCR4 to detect breast and prostate cancer by nuclear medicine imaging	QIMR-Clinician Research Collaboration Awards (2013), Clinician Research collaboration	\$35,400 (2014)
Martin, J., Rose, S., Boyd, A., Whittaker, A., <b>Thomas, P.</b> Fay, M., Fisk, N.	Targeting existing therapies with innovative technology platforms to improve survival in brain cancer.	Cancer Council Queensland, Project	\$200,000 (2014-2015)
Heathcote, P., <b>Thomas, P.</b> *, Wood, S., Greenslade, S., Lampe, G., Shephard, B., Nelson, C., Russel, P.	Evaluation of Prostate-specific Membrane Antigen Based Positron Emission Tomography and Magnetic Resonance Imaging for the Detection of Multiple Cancer Foci in Localized Prostate Cancer Patients	Gallipoli Medical Research Foundation, Project	\$50,000 (2014)

# Department of Palliative and Supportive Care Service



**Dr Carol Douglas**  
Clinical Director  
Palliative Care

## Overview

**About this service:** The Palliative and Supportive Care Service provides a consultative model of care to any patient at the RBWH with progressive life-limiting disease. Patients with progressive malignancy or chronic disease and acute onset life limiting illness are referred when there are unmet complex needs. The team is comprised of Staff Specialists Palliative Medicine, Basic Medical Registrar, Advanced Trainee Palliative Medicine and Clinical Nurses. Approximately 1000 patients received care supported by the Palliative Care Service in 2012, with x patients dying with service support in this period.

There is no funded dedicated research position within the department.

The service supports research initiatives generated externally by collaborating with leading researchers in Palliative Medicine and Palliative Care, through recruitment of RBWH patients to medication studies and by participation in studies through collaboration with colleagues at RBWH/UQ/QUT that contribute to the understanding of patients' experiences with progressive life-limiting disease at the end of life.

## Research staff

Name	Qualifications	Position	Interests/specialities
Dr Alison Kearney	M.B.Ch.B., FRACP, MRCP	Specialist Palliative Medicine	
Dr Carol Douglas	MB,ChB. FACHPM	Specialist Palliative Medicine	

# Department of Pharmacy



**Assoc. Prof. Ian Coombes**  
Director  
Pharmacy

## Overview

**About this service:** The pharmacy Department at RBWH works collaboratively with medical, nursing and allied health colleagues to provide safe, effective, economic and high quality evidence based medication management to patients at RBWH and as part of the wider hospital and health service. A clinical and support service is provided to all patients of RBWH 7 days a week. Research and the continual evaluation of the pharmacy service and wider health care service is a corner stone of the department's strategy to drive continual quality improvement in medicines management. Participation in research is expected and supported by all senior staff and junior staff are encouraged and supported to initiate quality improvement activities and develop research skills.

**Highlights of 2014:** Research has focussed on evaluation of pharmacy practice (evaluation of the impact of pharmacist input to medical ward rounds on quality use of medicines and medicine use in palliative care and pharmacist prescribing in surgical pre-assessment clinics and development of advanced practitioners) pharmacokinetics and pharmacometrics (in particular anticoagulants and antimicrobial therapy) and drug use in maternity, neonatology and paediatrics. Two research conjoint positions have been established with School of Pharmacy University of Queensland (SOP UQ) (2 x 0.2 FTE funded by SOP UQ), Dr Karen Whitfield and Dr Michael Barras will take up these positions from January 2015.

As in previous years the pharmacy department has been well represented at the federal hospital pharmacy conference with 18 papers presented orally or as posters. International collaboration has been extensive in particular from Prof Jason Roberts work with ICU, Burns and critical care team.

**Benefits for clinical practice:** Our research activities help improve patient outcomes by focusing on the design of pharmacy services; implementation of evidence based practitioner development programs. The work of Prof Roberts' team results in leading edge antimicrobial therapy in critical care patients. The research undertaken in collaboration with clinicians at Princess Alexandra Hospital demonstrates significant improvement in medication safety, continuity of quality use of medicines with significant reductions in adverse events – all with projected economic benefits.

## Research staff

Name Qualifications	Position	Interests/specialities
<b>Assoc. Prof. Ian Coombes</b> BPharm, MSc, PhD	Director, Pharmacy	medication safety, pharmacy practice
<b>Assoc Prof Michael Barras</b> BPharm, PhD	Assistant Director (Clinical)	medication safety, pharmacokinetics, therapeutic drug monitoring
<b>Margie Butnoris</b> BPharm	Assistant Director (Inventory)	pharmacy practice
<b>Dr Jason Roberts</b> BAppSc, BPharm (Hons 1), PhD	Consultant Pharmacist	pharmacokinetics, drug therapy in critically ill patients, therapeutic drug monitoring
<b>Dr Lesley Ross-Lee</b> BPharm, PhD	Senior Pharmacist, Clinical Trials	clinical trials
<b>Jessica Toleman</b> BPharm	Assistant Director, Cancer Care Services	quality use of medicines
<b>Helen Trenerry</b> BPharm	Director, QMAIS	medicines information, medication safety
<b>Dr Karen Whitfield</b> BPharm, PhD	Senior Pharmacist	clinical therapeutics
<b>Kelly Mulvogue</b> BPharm	Senior Pharmacist	clinical therapeutics, pharmacy practice
<b>Assoc Prof Neil Cottrell</b> BPharm, PhD	Hon. Research Consultant	clinical therapeutics, pharmacy practice
<b>Dr Bruce Green</b> BPharm, DClinPharm	Hon. Research Consultant	pharmacokinetics
<b>Dr Paul Kubler</b> MBBS	Clinical Pharmacology, Staff Specialist	clinical therapeutics
<b>Elizabeth Doran</b> MPharm	Senior Pharmacist	clinical therapeutics
<b>Midori Nakagaki</b> B Pharm	Senior Pharmacist, Cancer Care	clinical therapeutics
<b>Serena Rofail</b> BPharm	Senior Pharmacist	clinical therapeutics
<b>Brooke Myers</b> BPharm	Senior Pharmacist	clinical therapeutics

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Elsie Peusschers</b>	BPharm	Senior Pharmacist	clinical therapeutics, mental health
<b>Kate Murphy</b>	BPharm	Senior Pharmacist	clinical therapeutics
<b>Chompika Pattullo</b>	BPharm	QUM Pharmacist	quality use of medicines
<b>Jonathon Hall</b>	BPharm	Clinical Pharmacist	clinical therapeutics
<b>Kim Ta</b>	BPharm	Senior Pharmacist	clinical therapeutics
<b>Panteha Voussoughi</b>	BPharm	Senior Pharmacist	medicines information, clinical therapeutics
<b>Joni Donagher</b>	BPharm	Clinical Pharmacist	clinical therapeutics
<b>Julian Lindsay</b>	BPharm	Clinical Pharmacist	clinical therapeutics

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Abdul-Aziz, M.	PhD, UQ, (2011-2015)	Continuous versus bolus dosing of beta-lactam antibiotics in critically ill patients.
Abu Kassim, N.	PhD, UQ, (2013-2016)	An investigation of the relationships between the levels of vitamins A, D and E in maternal serum/plasma and breast milk with those in infant serum/plasma.
Adnan, S.	PhD, UQ, (2010-2014)	Dose optimisation of antibiotics during different forms of renal replacement therapy: focus on tissue and target site concentrations.
Al-Obaid	PhD, UQ, (2012-2016)	The pharmacokinetics of various antibiotics in critically ill obese patients.
Bruck Sime, F.	PhD, Uni SA, (2011-2015)	Pharmacokinetics and therapeutic drug monitoring of beta-lactam antibiotics in high-risk patients.
Chevalier, B.	PhD, UQ, (2014-2017)	Examining communication between hospital pharmacists and patients during medication counselling, and exploring its relationship to medication adherence
Coulter, D.	PhD, UQ, (2012-2016)	Cost-effectiveness of antimicrobial stewardship in the Australian healthcare system.
Economou, C.	MPhil, UQ, (2011-2017)	The effect of renal replacement therapy modalities on antibiotic pharmacokinetics in critically ill patients.
Gomes, F.	PhD, UQ, (2012-2015)	To investigate the correlation between the levels of vitamin D in maternal serum and breast milk with infant serum levels.
Hale, A.	PhD, UQ, (2008-2014)	A randomised control trial of pharmacist prescribing in a surgical elective pre-assessment clinic
Hall, J.	MClinPharm, UQ, (2012-2014)	Mineralocorticoid receptor antagonists in heart failure and kidney disease: incidence of hyperkalaemia and eGFR versus Cockcroft Gault for estimation of GFR.
Hanrahan, T.	MPhil, UQ, (2011-2015)	Vancomycin nephrotoxicity in critically ill patients: fact or fiction?
Jamal, JA.	PhD, UQ, (2011-2015)	Continuous versus bolus dosing of beta-lactam antibiotics in critically ill patients receiving renal replacement therapy.
Lindsay, J.	MClinPharm, Monash, (2013-2014)	The development and evaluation of a Palliative Care De-Prescribing Guideline
Mulvogue, K.	MPhil, UQ, (2012-2016)	Prescribing on a Geriatric Evaluation Medical Service using Start-Stop tool
Murphy, K.	MPhil, Griffith Uni, (2014-2016)	Clozapine and concomitant medications: Assessing the completeness and accuracy of medication records for people prescribed clozapine under shared care arrangements
Myers, B.	PhD, UQ, (2014-2018)	A study to investigate and evaluate the impact of a clinical pharmacist on the safety and quality of the prescribing on a post take ward round.

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Nakagaki, M.	MPharm, Newcastle, UK, (2013-2015)	A randomised trial of olanzapine and palonosetron versus infused ondansetron for the treatment of nausea and vomiting in patients undergoing haematopoietic stem cell transplantation (HSCT)
Nivomasnaitham, S.	PhD, UQ, (2011-2014)	Impact of drug warning system on prescriptions
Parker, S.	PhD, UQ, (2011-2015)	Translating innovative pharmacokinetic sampling techniques into improved antibiotic dosing regimens in critically ill patients.
See, JY.	PhD, UQ, (2014-2018)	Use of Pharmacometrics in insulin dosing.
Shekar, K.	PhD, UQ, (2011-2015)	The pharmacokinetics of various antibiotics in critically ill patients receiving extracorporeal membrane oxygenation.
Sinnollareddy, M.	PhD, Uni SA, (2010-2015)	Pharmacokinetics of fluconazole and other antifungals in critically ill patients.
Stacey, S.	PhD, UQ, (2011-2014)	Advanced Practice in Paediatric Pharmacy: What is it, how do you get there, and what does it mean for children?
Taufek, N.	PhD, UQ, (2013-2016)	To investigate trace element levels in full term and pre-term infants – and to identify risk factors for deficiency.
Tsai, D.	PhD, UQ, (2013-2016)	The pharmacokinetics of various antibiotics in critically ill indigenous Australians.
Varghese, J.	PhD, UQ, (2008-2014)	Plasma and interstitial fluid pharmacokinetics of beta-lactam antibiotics in critically ill patients receiving renal replacement therapy.
Wang, L.	MPhil, UQ, (2013-2017)	Antibiotic tissue pharmacokinetics in burn injury patients.
Wong, G.	MPhil, UQ, (2011-2016)	Therapeutic drug monitoring of beta-lactam antibiotics in critically ill patients.

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Barras, M.	Delivery of an OPAT service	Metro North, Seed grant	\$94,000 (2014)
Roberts, JA., Cotta, MO., Boots, RJ., Lipman, J.	Optimising benzylpenicillin dosing for critically ill patients with severe pneumonia.	RBWH research foundation, Project Grant	\$40,000 (2014-2015)
Coombes, I., Moudgil, V., Murphy, K., Wheeler, A., Patterson, S.	Clozapine use in our community: who really knows what is going on?	RBWH research foundation, , Project Grant	\$40,000 (2014-2015)
Roberts, MS., Anissimov, Y., Grice, J., Lehmann, P., Maibach, H., Weiss, M., Wittum, G., Sinner, F., Stinchcomb, A., Walters, K., Roberts, JA.	Physiologically Based Biopharmaceutics and Pharmacokinetics of Drug Products for Dermal Absorption in Humans.	US FDA, Project Grant	\$676,552  (2014-2017)
Webb, S., Paterson, DL., Lipman, J., Roberts, JA.	Incidence, risk factors, consequences and treatment of ventilated patients with nosocomial infection with pandrug resistant organisms in hospitals in Asia.	Uni WA & Uni Qld, Collaboration award	\$20,000 (2014)
McGloughlin, S., Webb, S., Lipman, J., Paterson, DL., Roberts, JA., Phua, J.	Incidence, risk factors, consequences and treatment of ventilated patients with nosocomial infection with pandrug resistant organisms in hospitals in Asia.	Intensive care foundation, Project Grant	\$34,000 (2014)
Lipman, J., Roberts, JA., Peake, SL., Joynt, GM., Udy, AA., Nicholls, MB.	Pharmacokinetic Australasian Collaborative.	Intensive care foundation, Project Grant	\$39,156 (2014)

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Shekar, K., Roberts, JA., Smith, M., Fraser, J.	ASAP ECMO: Antibiotic sedative and analgesic pharmacokinetics during extracorporeal membrane oxygenation: A multicenter study to optimize drug therapy during ECMO.	TPCH, Experienced researcher	\$99,620.94 (2014)
Joynt, GM., Lee, A., Gomersall, CD., Choi, G., Roberts, JA., Lipman, J.	Antibiotic pharmacokinetics in critically ill patients receiving renal replacement therapy – a prospective multicenter cohort study.	Chinese university of Hong Kong, Project Grant	\$70,002 (2014)
Lipman, J., Roberts, JA., Paratz, JD., Paterson, DL.	Strengthening the School of Medicine's position as a central coordinator of global pharmacokinetic studies in critically ill patients.	UQ & NHMRC, Equipment grant	\$110,790 (2014)

# Department of Renal Medicine



**Dr Helen Healy**  
Director  
Renal Medicine

## Overview

**About this service:** The Kidney Health Service (KHS) is a dynamic and innovative group serving the kidney care needs of the population of Metro North HHS and those transferred into its facilities. We face a population need for our service greater than the underlying growth in health demand, experienced most acutely in our dialysis programs. Our Service works from a multidisciplinary paradigm exploring alternative models of care with a strong emphasis on evaluation and measurement of performance.

**Highlights of 2014:** Our research has been recognized and supported at International, Federal, State and Local levels. Members of the Kidney Health Service are Chief Investigators in two NHMRC Centres of Research Excellence, in chronic kidney disease and end of life care, with networks across Australia. The KHS hosts the Kidney Professorial Nursing Unit in partnership with QUT, an important driving force in building research capability and excellence with nursing and allied health papers awarded at the National Conference. Internationally, we were invited to present the work of the Conjoint Kidney Research Laboratory at the Dendritic Cell Meeting in France. The important partnership with CKD.Qld was invited to write a policy position on the natural history of chronic kidney disease in collaboration with cohort groups around the world and this was published electronically by the peak international journal Kidney International at the end of the year.

**Benefits for clinical practice:** Research with Genetics Health Queensland has resulted in the establishment of Australia's first genetic renal diseases clinics, conjointly between the two services and serving the people of Queensland and beyond. And research with partners in primary care is pioneering delivery of expert kidney care in the community.

The vision for future research is building a sustainable infrastructure with CKD.Qld to report performance to the clinical teams and answer important questions about our patients' experience of health.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Helen Healy</b>	MBBS, FRACP, PhD	Director, Kidney Health Service; Eminent Staff Specialist	mechanisms of and interventions in chronic kidney disease
<b>Prof Ann Bonner</b>	RN, BAppSc (Nurs), MA, PhD	Professor of Nursing, QUT	self management & nursing practice in chronic kidney disease
<b>Ms Anne Cameron</b>	RN, Industry Fellow, UQ	Manager CKD Queensland	Chronic kidney disease
<b>Ms Sonya Coleman</b>	RN, NP, MNsc (Nurs Prac)	Nurse Practitioner	chronic kidney disease
<b>Ms Danielle Heffernan</b>	RN, GradDipHealthMg, MSF	Assistant Nursing Director, Kidney Health Service	renal supportive care
<b>Dr George T John</b>	MBBS, MD, DM, FRCP, FRACP	Senior Staff Specialist	immunosuppression, kidney transplantation, infectious disease
<b>Dr Adrian Kark</b>	MBChB, FRACP	Senior Staff Specialist	chronic kidney disease, the role of salt
<b>Dr Andrew Kassianos</b>	PhD, MTIM (Biotech)	Post-doctoral Fellow, Conjoint Kidney Research Laboratory	dendritic cell innate immunity, T/B lymphocytes
<b>Dr Roshini Malasingam</b>	MBChB, FRACP	Renal Fellow	CKD/AKI in the ICU setting, renal replacement therapy
<b>Dr Andrew Mallett</b>	MBBS, MMed, AFRACMA, FRACP	Staff Specialist	Inherited kidney disease, nephrogenetics, renal tubular disorders, nephronophthisis/ MCKD, clinic models
<b>Dr Dwarakanathan Ranganathan</b>	MD, DM, FRCP, FRACP	Eminent Staff Specialist	home dialysis therapies, lupus nephritis/ vasculitis, glomerulonephritis
<b>Dr Sharad Ratanjee</b>	MBChB, FRACP	Senior Staff Specialist	haemodialysis, erythropoietin stimulating agents
<b>Assoc Prof Ray Wilkinson</b>	PhD	Senior Post-doctoral Fellow, Conjoint Kidney Research Laboratory	dendritic cells, innate immunity, T/B lymphocytes
<b>Ms Xiangju Wang</b>	MBBS, MPhil	Research Scientist, Conjoint Kidney Research Laboratory	cell senescence, laser capture microscopy, exosomes
<b>Ms Lesley Williams</b>	RN	Clinical Nurse	home dialysis therapies

## Research staff

Name	Qualifications	Position	Interests/specialities
Ms Nicola Williams	RN	Clinical Nurse	home therapies

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Ms Sadia Afrin	MSc, QUT, (2013- 2015)	3D culture systems
Hayfa Almutary	PhD, QUT	Exploring symptom clusters in people with chronic kidney disease
Hajar Alasmari	PhD, QUT	Examining intensive care nurses' clinical decision-making associated with acute kidney injury and continuous renal replacement therapy
Ms Leanne Brown	PhD, QUT	Evaluating patient-centred decision making for end of life care in end stage kidney disease
Ha Thi Thuy Dinh	PhD, QUT	Exploring teach-back as a method for improving Heart Failure knowledge and self-management
Ms Bronwyn Hayes	DHlthSc, QUT	Job satisfaction, stress and burnout in haemodialysis nurses (under examination)
Ms Kathryn Havas	PhD, QUT	Comparison of a brief and an in-depth intervention to support self-management in people with chronic kidney disease
Wei He	PhD, QUT	Exploring the factors associated with concordance with lifestyle modifications in Chinese people with hypertension
Dr Andrew Mallett	PhD, UQ, (2013- 2016)	Developing a Renal Genetics Service and studying inherited kidney disease
Ms Molly Milazi	DHlthSc, QUT	Nurse-led teach back intervention to improve people with End Stage Kidney Disease self-care management adherence with phosphate binders
Nguyet Thi Nguyen	MAppSc, QUT	Self-management of people with early stages of chronic kidney disease in Hanoi, Vietnam
Ms Haunnah Rheault	DHlthSc, QUT	Health literacy and chronic disease self-management in Indigenous Australians.
Mr Sandeep Sampangi	PhD, UQ, (2013- 2015)	Kidney cell – immune cell cross talk
Dr Sri Krishna Venthurupalli	PhD, UQ, (2010- 2017)	Developing a statewide CKD surveillance & monitoring dataset
Ms Colette Wembenyui	MAppSc, QUT	Self-management in people with chronic kidney disease

## Awards and achievements

Award	Event	Recipient
Centre of Research Excellence in Chronic Kidney Disease	NHMRC	CIB Dr H Healy, CII Professor Ann Bonner
Top oral presentation	RSA, 42nd Annual Conference	Ms Linh Pham
Top oral presentation	RSA, 42nd Annual Conference	Ms Janine Hale
Postgraduate Scholarship 2013-2014	RBWH Foundation	Dr Andrew Mallett
Best Clinical Science Oral Presentation	2014 RBWH Symposium	Dr Andrew Mallett
UQ Graduate School International Travel Award		Dr Andrew Mallett
Invited keynote address speaker	5th International Nursing Conference	Professor Ann Bonner
Invited speaker	13th International Symposium on Dendritic Cells, Loire Valley France	Assoc Professor Ray Wilkinson

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Bonner, A.*, Clark, R., Healy, H.*, Hamernik, E.*, Bennett, P., Nicholls, P.*	Adaptation of the fluid watcher's program for people with chronic kidney disease receiving haemodialysis	Royal Brisbane and Women's Hospital research project grant	\$25,000 (2013-2014)
Bonner, A.*, Douglas, C.	Integrated Chronic Disease Nurse Practitioner Model of Care	Chief Nursing and Midwifery Office, project grant	\$86,000 (2014-2015)
Coleman, S.*, Bonner, A.*, Taylor, B.*	Patient satisfaction with nurse-led CKD clinics: A multisite study	Renal Society of Australasia QLD Branch Research Grant, project grant	\$3,000 (2014)
Healy, H.*, Hoy, W., Bonner, A.*, Connelly, L., Tan, K-S., Dunne, A., Coleman, S.*, Heffernan, D.*, Wang, Z.	The Impact on Hospital Utilisation and Costs of Proactive Planning for Conservative Treatment without Dialysis in Selected Patients with Advanced Kidney Disease	Australian Centre for Health Service Innovation, project grant	\$73,000 (2014-2015)
Healy, H.*, Kassianos, A.*, Wilkinson, R.	Proximal tubule epithelial cell-B cell interactions in human chronic kidney disease	Royal Brisbane and Women's Hospital research project grant	\$40,000 (2014)
Healy, H.*, Johnson, T., Williamson, S., Hoy, W.	Keeping Kidneys in the community	Health Innovation Fund, QH, project grant	\$991,430 (2013-2016)
Kassianos, A.*	Dendritic cells in human chronic kidney disease	RBWH Foundation Patricia Dukes Post-doctoral Fellowship	\$240,000 (2012-2014)
Kassianos, A.*, Healy, H.*, Wilkinson, R.	The recruitment of inflammatory immune cells in human chronic kidney disease.	Royal Brisbane and Women's Hospital research project grant	\$40,000 (2014)
Little, M., Mallett, A.*	Generating and studying patient-derived iPSC in renal disease	Kidney Health Australia Special Project Grant	\$10,000 (2014)
Mallett, A.*	PhD: Genetic Diagnostics in Genetic Renal Disease - Methods, Applications and Therapeutics	UQ Graduate School International Travel Award	\$5,000 (2014)
Mallett, A.*, Healy, H.*, Hoy, W., Patel, C.*, McGaughran, J.*, Hyland, V., Little, M., Simons, C.	Next Generation Sequencing and Induced Pluripotent Stem Cell Applications in Genetic and Inheritable Forms of Renal Disease	Pathology QLD Study Education and Research Trust Fund	\$50,000 (2014)
Mallett, A.*, Healy, H.*, Hoy, W., Patel, C.*, McGaughran, J.*, Hyland, V., Little, M., Simons, C.	Next Generation Sequencing and Induced Pluripotent Stem Cell Applications in Genetic and Inheritable Forms of Renal Disease	Royal Brisbane and Women's Hospital research project grant	\$50,000 (2014)
Mallett, A.*, Little, M., Alexander, S.	Next Generation Sequencing and Induced Pluripotent Stem Cell Applications in Genetic and Inheritable Forms of Renal Disease	Alport Foundation Project Grant	\$20,000 (2014)
Williams, N.*, Reid, C.*, Williams, L.*, Sullivan, P.*, Bonner, A.*, Hamernik, E.*	Motivational interviewing for people with end stage kidney disease undergoing dialysis at home to improve treatment adherence: A randomised controlled trial	Royal Brisbane and Women's Hospital Foundation nursing and allied health research grant	\$29,000 (2013-2014)
Woy H, Healy H*, Connolly L, Mitchell G, Panaretto K, Endre Z, Coombes J, Gobe G, Bonner A*, Fassett R.	Chronic Kidney Disease Centre of Research Excellence	NHMRC Centre for Research Excellence	\$2,496,981 (2014-2019)
Yates P, Mitchell G, Currow D, Eager K, Edward H, Gardner G, Willmott L, Bonner A*, Clark R, Tieman J	End of Life	NHMRC Centre for Research Excellence	\$2,495,543 (2013-2018)

# Department of Rheumatology



**Dr Paul Kubler**  
Director  
Rheumatology

## Overview

**About this service:** The rheumatology department provides a comprehensive range of diagnostic and therapeutic services to patients with acute and chronic musculoskeletal disease. Areas of research interest include management of inflammatory arthritis, carpal tunnel syndrome, crystal arthritis and connective tissue disease. The department liaises closely with other medical specialties, allied health and community service providers to optimise patient outcomes. In particular, there is a monthly combined renal-rheumatology clinic which coordinates care for patients with systemic vasculitis and SLE related nephritis.

**Highlights of 2014:** Our 3 fields of research have focussed on understanding the risk factors for the development of septic arthritis, assessing and managing patients with carpal tunnel syndrome with a view to developing potential non-operative means of managing the condition and optimising care in patients with lupus nephritis.

**Benefits for clinical practice:** Our research activities help improve patient outcomes by focusing on the coordinated care of patients with complex multisystem conditions

## Research staff

Name	Qualifications	Position	Interests/specialities
Dr Paul Kubler	MBBS, FRACP	Director	Inflammatory arthritis, carpal tunnel syndrome and drug use in rheumatic diseases
Dr Sumant Kevat	MBBS, FRACP	Visiting Specialist	Inflammatory arthritis
Dr Philip Robinson	MBBS, FRACP	Part Time Staff Specialist	Gout and Spondyloarthritis
Dr Ashleigh Hennessey	MBBS	Advanced Trainee	Infective and crystal arthritis

# Department of Thoracic Medicine



**Assoc. Prof.  
Stephen Morrison**  
Director  
Thoracic Medicine

## Overview

**About this service:** The Department of Thoracic Medicine provides diagnostic and therapeutic services for patients with acute and chronic respiratory problems, including pulmonary infection, interstitial lung diseases, occupational lung diseases, sleep disorders, pulmonary malignancy, asthma and chronic obstructive pulmonary disease (COPD).

Facilities and services:

- An acute respiratory failure service to provide non-invasive ventilation to certain categories of COPD patient.
- Sophisticated pulmonary function studies, including body plethysmography, gas transfer measurement, exercise testing, measurement of chemical drives to ventilation and bronchial reactivity.
- Comprehensive sleep monitoring services, including multiple sleep latency testing.
- A sophisticated fiberoptic bronchoscopic service is available, including early diagnosis of lung cancer by autofluorescence and endobronchial ultrasound techniques.
- The department offers procedures such as pleural biopsy, intercostal drain placement and pleurodesis.
- There is close liaison with the Division of Cancer Care Services and the Department of Thoracic Surgery for the management of pulmonary malignancy.
- Educational and support services are available for patients with respiratory sleep disorders, asthma, COPD and specialised equipment such as oxygen delivery systems and non-invasive ventilation.

## Research staff

Name	Qualifications	Position	Interests/specialities
A/Prof Stephen Morrison	PhD FRCP FRACP	Director	Asthma, COPD, Sleep Disorders
Dr David Fielding	MD FRACP	Deputy Director	Lung Cancer, Endobronchial U/S
Dr Farzad Bashirzadeh	FRACP	Staff Thoracic Physician	Interventional Pulmonology
Dr Justin Hundloe	MD FRACP	Staff Thoracic Physician	Interventional Pulmonology
Dr Chris Zappala	PhD FRACP	Staff Thoracic Physician Interstitial	Lung Disease
Dr Matthew Salamonsen	M Appl Sci	Research Fellow	Pleural Procedures
Mr Michael Brown	FRACP	Director Respiratory Science	Lung Function, Polysomnography

# Medical Services



**Dr Judy Graves**  
Executive Director  
Medical Services



**Dr Mark Mattiussi**  
Deputy Executive Director  
Medical Services



**Dr Graham Steel**  
Acting Deputy Executive  
Director, Medical Services



**Therese Lee**  
Acting Director  
Safety and Quality Unit

## Overview

Medical Services is responsible for providing support to all areas of the Royal Brisbane and Women's Hospital in all aspects of medical administration.

The service line manages and coordinates medical staff appointments and allocations, credentialing and privileges, medical education and training through the Centre for Medical Officer Recruitment and Education (CMORE), the Private Practice Trust Fund (PPTF), medico-legal services, chaplaincy, Health Information Services (HIS), Medical Records and the Safety and Quality Unit. It provides specialist advice to the Hospital and Health Service Chief Executive and RBWH Executive in relation to medico-legal matters, recruitment, appointment, credentialing and privileges of medical staff and the handling of patient compliments and concerns.

The RBWH Human Research Ethics Committee (HREC) falls under this service line. Its role is to consider applications to conduct research in the hospital or to conduct research that involves patient participation. The committee provides recommendations as to whether or not, on ethical grounds, approval should be granted for research to proceed.

The Centre for Palliative Care Research and Education (CPCRE) is the main area of research. Medical Administration also undertakes research activities as part of quality improvement in health care service delivery.

## Key departments

- » Centre for Medical Officer Recruitment and Education (CMORE)
- » (formerly Medical Education and Training Service)
- » Safety and Quality Unit
- » Health Information Services (HIS), incorporating Medical Records
- » Centre for Palliative Care Research and Education
- » Human Research Ethics Committee
- » Patient Staff Liaison

## Executive and directing staff

**Dr Judy Graves**  
Executive Director Medical Services

**Dr Mark Mattiussi**  
Deputy Executive Director Medical Services

**Dr Graham Steel**  
Acting Deputy Executive Director Medical Services

**Prof Patsy Yates**  
Acting Director, Palliative Care Research and Education

**Dr Conor Brophy**  
Chair, Human Research Ethics Committee

**Therese Lee**  
Acting Director, Safety and Quality Unit

# Centre for Palliative Care Research and Education



**Prof. Patsy Yates**  
Director  
Center for Palliative Care  
Research and Education

## Overview

**About this service:** The primary role of the Centre for Palliative Care Research and Education (CPCRE) is to enhance palliative care services in Queensland through research and education endeavours. To achieve these aims, CPCRE operates as a 'centre without walls', committed to building and fostering partnerships with the palliative care community in its endeavours.

**Highlights of 2014:** The Director and Clinical Research Program Leader have been awarded NHMRC, Australian Research Council, Cancer Council Queensland, Mater Medical Research Institute, Dept of Health (DOH) and Australian Government funding for collaborative research projects in palliative care. The research projects are multi-disciplinary and are across institutions. The project results have been extensively published in national and international peer reviewed publications. Professors Hardy and Yates hold appointments on national and international Palliative Care/Oncological & Nursing advisory boards/reference groups. Prof. Yates was inducted to the International Nurse Researcher Hall of Fame Award and awarded the Sigma Theta Tau International Honour Society of Nursing (STTI), USA, 20th August 2014; and Prof Hardy was awarded the Royal Australasian College of Physicians 75th Anniversary Award, 20th March 2014.

CPCRE education activities include: The General Practice Palliative Care Education Program; The Program of Experience in the Palliative Approach; The Evidence Based Palliative Care Strategy; The Queensland Palliative Care Research Group and Workforce Development Programs. The Centre disseminates pertinent Palliative Care education and research information to health professionals via: the CPCRE Website, CPCRE Newsletter(quarterly), CPCRE Calendar, Monthly E-Bulletins, the Annual Research Conference & the Annual Palliative Care Update Symposium (topic rotates 3 yearly, general medicine, oncology and supportive care).

### Benefits for clinical practice:

#### The centre's work focuses on:

- Developing the capacity of the palliative care workforce to provide quality palliative care,
- Improving the links between research and practice in palliative care,
- Undertaking research to enhance the quality of palliative care, and
- Providing information which supports the delivery of palliative care services.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof Patsy Yates</b>	RN, BA, DipAppSoc, MSocSci, PhD, FRCNA	Director, Centre for Palliative Care Research and Education	Palliative care, symptom management and supportive care
<b>Prof Janet Hardy</b>	BSc, MBChB, MD, FRACP, FRChPM	Clinical Research Program Leader	Palliative medicine research, evidence based symptom management
<b>John Haberecht</b>	RN, DipAppSci (Nurs), MEd, BA, GradDipArts, Cert IV Training and Assessment	Director of Learning and Development	End-of-life clinical pathways, improving access to palliative care education
<b>Kym Griffin</b>	RN, MN (Prac), Cert IV Leadership, Cert IV Frontline Management, Cert IV Training and Assessment, MPCNA, MONG, MPCQ	Research Officer	Improving access to palliative care, improving access to good quality end-of-life care for non-oncological clients
<b>Aurora Hodges</b>	Cert IV Frontline Management	PEPA Manager Queensland	Advance care planning, improving access to palliative care for all socio-economic groups
<b>Darryl Lingwoodock</b>	EN, Cert IV Training and Assessment, Cert IV in Aboriginal and Torres Strait Islander Mentoring	PEPA Indigenous Project Officer	Improving access to palliative care for Indigenous peoples, closing the gap, and advancing reconciliation
<b>Rosaleen Matters</b>	EN, BBus	Director's Secretary	Improving access to palliative care

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Chan, R.	PhD, QUT (2008-2014)	Self-management associated with fatigue in patients with advanced cancer
Huang, Y.-L.	PhD, UT (2010-2014)	End-of-life decision making among community members in Taiwan
Fox, J.	PhD, QUT (2012-2015)	The transition to palliative care: A critical exploration in the context of metastatic melanoma
Hughes, J.	PhD, QUT (2014-2019)	Person, environment and health and illness factors influencing time to analgesia and patient experience of pain management
Tapsall, D.	Professional Doctorate, QUT (2011-2019)	Factors influencing nurses engagement in continuing professional development in cancer nursing
Lim, L.	Professional Doctorate, UT (2012-2017)	An assessment of the continuous quality improvement implementation in palliative care services
Brunelli, V.	PhD, QUT (2013-2017)	Evaluating a program for developing specialist cancer nurse competencies for effective and sustainable self-management of dyspnoea in lung cancer patients
Button, E.	PhD, UT (2014-2018)	Identifying risk of deteriorating and dying in people with haematological malignancy
Hafiz, A.	PhD, QUT (2013-2017)	Enhancing the competence of paediatric palliative care nurses in Saudi Arabia
Campbell, E.	MSc Research, QUT (2014-2018)	The development of a scale to measure cancer patients' self efficacy with managing symptoms and treatment side effects
Northfield, S.	MSc Research, QUT (2014-2017)	Referral processes to specialist palliative care services: an Australian practice survey of health care professionals
Bista, S.R.	PhD, Griffith University 2011-2015)	Improving analgesia in cancer patients
McKeon, C.	MSc, University Western Sydney (2009-2015)	Electroacupuncture in chemotherapy-induced nausea and vomiting
George, R.	PhD, Griffith University & Mater Medical Research Institute 2013-2017)	Individualisation of pain management in cancer patients - methodone

## Awards and achievements

Award	Event	Recipient
Outstanding Site Award (NHMRC funded studies)	PaCCSC Annual Research Conference, 20th March 2014	Hardy, J.
Royal Australasian College of Physicians 75th Anniversary Award	Royal Australasian College of Physicians 75th Anniversary Award Presentation, 2nd June 2014	Hardy, J.
RBWH Service Line Award 2014	RBWH Staff Reward and Recognition Ceremony, 11th June 2014	Yates, P., Hardy, J., Haberecht, J., Griffin, K., Matters, R., Hodges, A., Lingwoodock, D.
QuARRIES Award for Leadership and Management for Cancer Nursing Professorial Precinct, RBWH	RBWH QuARRIES Award Ceremony, 24th July 2014	Chan, R., Geary, A., Yates, P.
Awarded International Nurse Researcher Hall of Fame Award	Sigma Theta Tau International Honor Society of Nursing (STTI), USA, 20th August 2014	Yates, P.
Premier's Award for Excellence in Leadership (Winner), Taking nursing professionalism to the next level: the Cancer Nursing Professorial Precinct Initiative, RBWH, MNHHS	2014 Premier's Award Gala, Brisbane, 8th December 2014	Chan, R., Geary, A., Yates, P.

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Yates, P.*, Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J.	Centre for Research Excellence in End of Life Care	NHMRC Centre for Research Excellence	\$2,495,543 (2013 – 2018)
Respecting Patient Choices, Palliative Care Australia, CareSearch, University of Queensland, Queensland University of Technology*, Australian and New Zealand Society of Palliative Medicine, Leading Age Services Australia, Aged and Community Services Australia	National Advisory Service for Palliative Care and Advance Care Planning	Australian Government Department of Health Contracted Research	\$2,495,543 (2013 – 2018)
Yates, P.*	National coordination and management of the Program of Experience in the Palliative Approach (PEPA)	Australian Government Department of Health Contracted Research	\$1,200,145 (2011 – 2014)
Broom, A., Ams, J., Yates, P.*, Kirby, E., Good, P., Wootton, J., Hardy, J.*	Pathways to and through palliative care: a sociological study of patient, carer and clinical experiences at the end-of-life	ARC Project	\$164,830 (2012 – 2015)
Anderson, D., McCarthy, A., Yates, P.*, Turner, M., King, N., Monterosso, L., Krishnasamy, M., White, K., Hall, S.	The Women's Wellness after Cancer Program	NHMRC Partnership	\$1,165,260 (2013 – 2015)
Beatty, L., Koczwara, B., Wade, T., Turner, J., Yates, P.*, Butow, P., Knott, V., Lambert, S., Milne, D., Wootten, A., De Bono, S., Katris, P.	Finding My Way: A randomised controlled trial evaluating an internet self-help program for cancer-related distress	NHMRC Project	\$1,165,260 (2013 – 2015)
Turner, M., Yates, P.*, Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors	NHMRC Project	\$476,074 (2013 – 2015)
Anderson, D., McCarthy, A., Yates, P.*, Turner, J., Chan, R., Tjondronegoro, D., Seib, C., Porter-Steele, J., Inglis, P.-L., Goh, J.	Younger Women's Wellness after Cancer Program: Pilot Study	RBWH Research Foundation Project	\$90,000 (2014 – 2015)
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., Douglas, C., Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., Yates, P.*	Chronic Kidney Disease Centre for Research Excellence	NHMRC CRE in Health Services	\$2,496,981 (2014 – 2019)
Good, P., Hardy, J.* Norris, R., Tapuni, A., Haywood, A., Khan, S., Hennig, S., Duley, J.	Optimising the use of methadone for cancer related pain	Mater Medical Research Institute	\$10,000 (2013 – 2015)
Khan, S., Haywood, A., Norris, R., Hardy, J.*, Good, P., Charles, B., Hennig, S., Duley, J., Martin, J., Tapuni, A., George, R., Movva, R.	Optimising pain management with methadone in patients with cancer	Griffith Health Institute	\$7,500 (2014 – 2016)
Hardy, J.*, Spyurt, O., Good, P., Yates, P.*, Oliveira, N., Broom, A., Holt, T., Skerman, H.	The symptom burden of advanced castrate-resistant prostate cancer – a pilot study	Mater Foundation Grant	\$9,487 (2013 – 2016)
Hardy, J.* Mckee, C., Tapuni A	An open label trial of Vitamin C as an opioid sparer in patients with chronic pain secondary to cancer	Mater Foundation Grant	\$8,210 (2012 – 2015)
Good, P., Heng, S., Hardy, J.*	CADET – The CADET Study: CAncer DExamethasone Trial	Mater Medical Research Institute	\$12,000 (2014 – 2016)
Bista, S., Haywood, A., Norris, R., Hardy, J.*, Tapuni, A., Lobb, M.	Adhesion of fentanyl patches in adult patients	Mater Medical Research Institute	\$2,000 (2013 – 2015)
Bista, S., Hardy, J.*, Good, P., Norris, R., Tapuni, A., Haywood, A., Hall, T., Lobb, M.	Adhesion of fentanyl patches in adult patients	Mater Medical Research Institute	\$4,000 (2013 – 2015)

# Safety and Quality Unit



**Therese Lee**  
Acting Director  
Safety and Quality Unit

## Overview

The Safety and Quality Unit is responsible for the provision of organisational services based on a commitment to continuous quality improvement aimed at enhancing patient focussed services, and achieving the best standards of care. The unit also provides support to the Safety and Quality Committee and service lines to promote and facilitate service improvements to enhance patient focussed outcomes.

Research has focussed on acute care models for older inpatients to improve patient outcomes; the design of hospital environments to improve patient safety; and Root Cause Analysis and patient safety

## Research staff

Name	Qualifications	Position	Interests/specialities
Mrs Prue McRae	B.Phty	Falls Risk / EBP Coordinator	Geriatrics, health service improvement
Mr Satyan Chari	BOT, Grad Cert Occ Thy, M Sc Occ Thy	Falls Risk / QH Research Fellow	Fall prevention, evidence based hospital design, intervention trials, health services improvement
Ms Karen Singh	B. HSc	Process improvement	Patient safety; Incident analysis; Organisational system safety

## Supervised post-graduate research students

Name	Current studies	Research topic
McRae, P.	M.Phil	Identifying interdisciplinary care needs in older surgical patients
Long, K.	PhD	Patient safety and the Qld Root Cause Analysis: A document analysis
Chari, S.	PhD (Candidate)	Extrinsic factors and falls in hospitalised patients

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Chari, S.	Extrinsic factors in falls among hospitalised patients	Queensland Health OHMR Early career research fellowship	\$275,000 (2010-2015)
Chari, S., Smith, S., Black, A.A., Figuero, M., Haines, T.P.	Novel night lighting solution to reduce patient falls: Cluster RCT	Australian Centre for Health Services Innovation Stimulus Grant	\$82,000 (2013-2014)

# Metro North Mental Health Services



**Assoc. Prof. Brett Emmerson**  
Executive Director  
Metro North Mental Health  
Services

## Overview

We are pleased to provide an overview of the diverse and growing research, evaluation, and quality improvement activities, completed in 2014 across Metro North Mental Health (MNMH) services. This report summarises activities across the spectrum of mental health research, encompassing cutting edge computational neuroscience, clinical research, and interventional clinical studies, but also health services and policy research of diverse methodologies with a focus on wide range of age and diagnostic groups. But, more importantly, all projects are designed to improve the health of people affected by severe mental illness. The impressive list of publications, presentations, multi-million dollar grants, and appointments to academic roles and prestigious Metro North HHS Chairman's Scholarship all truly reflect the currency of, and contributions to, research, and most importantly, the diligent work of our clinical and research staff. Metro North Mental Health well deserves its reputation as a leader in integration of research and clinical practice.



**A/Prof Lisa Fawcett**  
Nursing Director  
Metro North Mental Health  
Services

With the importance of mental health research in development of services, getting research evidence implemented into routine clinical practice has proven to be a complex and challenging issue worldwide. It has been taking approximately 20 years for evidence-based practices and interventions (i.e., practices supported by randomised controlled trials evidence) to be embedded in policy and clinical decision making, with many effective interventions still being underutilised in practice. Mental health services executive endorses implementation of research in 'real world' settings, and, thus, to bridge the 'second translational gap' by providing effective and appropriate care to service users. We support clinicians to evaluate the implementation of evidence-based practices. One of our clinicians implemented and evaluated music therapy intervention across mental health services; as a result of this evaluation, music therapy is now a part of a routine evidence-based practice, and is well regarded by both consumers and the staff as an effective treatment across a wide range of populations and settings.

Service evaluation and quality improvement are high on the agenda, particularly in the areas of improving physical health of consumers and implementation of recovery agenda. In a study being published in *Australasian Psychiatry*, we investigated implementation of guidelines in regards to metabolic monitoring and follow-up. Our ongoing work to embed metabolic monitoring and management of physical health as core business is paying off, with dramatic improvements seen in metabolic monitoring and follow-up of anomalies. We were also able to examine consumer and carer's experiences and expectations about management of their physical health in mental health services in a study, which has been one of the first in the world to ask consumers what they want. Findings of this study, and other complementary health services research focussed on improving patient outcomes, have informed developments in service delivery, and development of resources for consumers and their care providers.



**Sue Patterson**  
Principal Research Fellow  
Metro North Mental Health

## Service line overview

Metro North Mental Health (MNMH) employs more than 1,040 staff, has an annual budget of \$154 million and a catchment area population of around 880,000 people. Mental Health Services are located at Royal Brisbane and Women's Hospital (RBWH), The Prince Charles hospital (TPCH), and Caboolture and Redcliffe Hospitals, with community-based services working across the district. Mental Health Services encompass acute, non-acute and continuing care across the life-span for people with diverse mental health problems. The service endorses the recovery approach and works collaboratively with consumers and carers and primary and private health providers.

# Metro North Mental Health Services

## Key departments

- » Department of Adolescent Psychiatry
- » Inner North Brisbane Mental Health Service
- » Eating Disorder Service
- » Hospital Alcohol and Drug Service
- » Department of Consultation Liaison Psychiatry
- » Older Persons' Mental Health Service
- » Early Psychosis Service
- » Queensland Forensic Mental Health Service
- » Queensland Health Victim Support Service
- » QIMR Program of Mental Health and Complex Disorders

## Executive and directing staff

**Associate Professor Brett Emmerson**  
Executive Director

**Associate Professor Lisa Fawcett**  
Nursing Director

**Dr David Ward**  
Director, Adolescent Psychiatry

**Dr Vikas Moudgil**  
Director, Inner North Brisbane Mental Health Service

**Dr Warren Ward**  
Director, Eating Disorder Service

**Dr Mark Daglish**  
Director, Alcohol and Drug Service

**Dr John Linnane**  
Director, Consultation Liaison Psychiatry

**Professor Gerard Byrne**  
Director, Older Persons' Mental Health Service

**Mr Michael Power**  
Director, Queensland Health Victim Support Service

**Associate Professor James Scott**  
Early Psychosis Service



**Dr David Ward**  
Principal Research Fellow  
Metro North Mental Health

## Department of Adolescent Psychiatry

**About this service:** The adolescent mental health unit is a 12 bed unit, which provides acute inpatient care for people aged 14 to 17 years from across Queensland. Psychiatrists and nurses work with allied health professionals to provide assessment of mental disorders and treatment as appropriate.

**Highlights of 2014:** The unit is committed to implementing evidence based practice and research is supported in various ways. We host studies led by university partners and in collaboration with other departments (e.g., Early Psychosis Service), and clinicians, and team members are supported to participate in nursing and allied health journal clubs. The unit hosts and facilitates research examining medical, psychological, and social aspects of mental illness in young people. Most notably, we supported one of our clinicians to implement and evaluate an evidence-based music therapy to adolescents on the inpatient ward. The findings of this evaluation, published in *Australian Psychiatry* and accepted for paper presentation at the 41st National Australian Music Therapy Association 2015 Conference, indicate that integration of music therapy in inpatient treatment of adolescents with mental health problems was feasible and acceptable to both staff and the patients. The department of adolescent psychiatry has been able to secure ongoing funding from the Child's Play to continue delivery and evaluation of Music therapy (\$22,000).

**Benefits for clinical practice:** Music therapy for adolescent inpatients has been successfully integrated into an everyday practice; it is run twice a week with the outlook to increase these hours in the future, and is offered to patients on a group or one-on-one basis. The staffs are motivated to implement evidence into practice, and are noticing positive effects of this intervention on patients; even those who would normally struggle in other therapy group sessions, really engage and like music therapy and group participation. medical, psychological and social aspects of mental illness in young people.



**Dr Vikas Moudgil**  
Clinical Director  
RBWH Metro North Mental  
Health Service

## Inner North Brisbane Mental Health Service

**About this service:** Inner North Brisbane Mental Health Service provides mental health assessment and treatment services to the 330,000 adults who reside in the RBWH catchment areas. The catchment area has a large homeless population, high levels of drug use (particularly amphetamines), is the busiest court liaison complex in the state and has approximately 2000 hostel/boarding house beds, three large homeless shelters and two private psychiatric hospitals which frequently refer patients with mental and behavioural disorders. The service comprises a Psychiatric Emergency Centre (PEC), which services one of the busiest emergency departments in Australia, an Acute Care Team, a Homeless Health Outreach Team, two large Continuing Care Teams with two twenty-five bed inpatient facilities, a Community Care Unit (20 beds) and a Resource Team. The hospital and community-based teams provide evidence based multidisciplinary integrated care and recovery focused interventions to consumers who are experiencing, or at risk of, experiencing severe mental illness, while the resource team provides logistic and specialist support across the Service. The service works in collaboration with primary and private health providers in partnership with non-government organisations to meet the mental health needs of consumers and assist consumers in working towards improved health and wellbeing.

**Highlights of 2014:** A range of research, evaluation and quality improvement projects have been underway within the service. Each project is designed to support the efficient delivery of effective services to people who need them and improve patient outcomes and experience. The service has been sponsoring activities focussed on continuing implementation and evaluation of the metabolic monitoring program designed to improve the detection, follow up, and treatment of physical health problems in people prescribed antipsychotic medication, and work with staff to implement and evaluate evidence based interventions. Additionally, we have been working collaboratively with our colleagues in pharmacy on quality improvement, evaluation, and research activities focussed on quality use of medication related to seclusion, management, and safe use of all medicines with our patient population, and with UQ School of Dentistry to promote oral health of people who use our services. We also support staff to participate in a range of activities designed to enhance research capacity.

**Benefits for clinical practice:** INBMHS support multifaceted research, quality improvement and evaluation activities in order to provide evidence based effective treatments or models of service delivery to improve the outcomes for our service users. As a result, our services have seen significant improvements in adherence to clinical guidelines in regards to monitoring of physical health of people with severe mental illness.



**Dr John Linnane**  
Director  
Consultation Liaison  
Psychiatry

## Department of Consultation Liaison Psychiatry

**About this service:** The Consultation Liaison Psychiatry Service provides clinical liaison services for the assessment and management of mental health issues and disorders for inpatients and outpatients of Metro North. The service is organised into teams around one of the consultant psychiatrists. Inpatient referrals are directed to the contact staff member for that team for initial assessment. Outpatient referrals are seen by either the relevant unit Consultant or Registrar.

**Highlights of 2014:** The department continues their work on conducting a trial of a structured survivorship intervention for patients who have completed treatment for head and neck cancer. Guided by the principles of chronic disease self-management and promotion of self-efficacy to encourage patients to engage in sustained behaviour change and self-care regarding cancer-related concerns, this is one of the first RCT studies conducted in Australia, which will provide critical data about innovative methods of survivorship care. The findings of this study will allow for an evidence based development of a model of care, which could be implemented in service practice locally and internationally. The department also set to complete the PROMPT study, a RCT of a tailored psychosocial intervention for depression, received by a large sample of patients from four sites across Australia. Being one of the largest studies of its kind internationally, findings, if successful in improving depression, will be used to provide a sustainable model of service delivery, which could be implemented across diverse treatment settings.

Associate Professor Jane Turner, a psychiatrist with the consult-liaison service, has continued her collaboration with researchers from Division of Cancer Care and the Department of Neurology on investigations of psychosocial aspects of cancer. Specifically, Jane's research has focussed on promotion of wellness after completion of cancer treatment, the emotional impact of advanced cancer on families, and development and evaluation of sustainable models for improved healthcare service delivery.

Dr Phil Mosley continues his ground breaking research on Deep Brain Stimulation (DBS) for Parkinson's disease (PD). Although DBS leads to improvement in motor symptoms and quality of life, a sizable proportion of patients suffer from psychiatric symptoms postoperatively. A particular phenomenon noted is impulsivity, the tendency to act on the spur of the moment. Phil's research uses a mixed-method design to study impulsivity after DBS, describe its effect on career burden and examine its biological basis.



**Dr Warren Ward**

Director  
Eating Disorder Service

## Eating Disorder Service

**About this service:** The Eating Disorders Service is a multidisciplinary tertiary service comprising an inpatient service and an outreach service. The Eating Disorders Outreach Service provides specialist outpatient clinics for the purpose of assessment and treatment, professional development opportunities for health professionals across the state, and a state wide consultation-liaison team that supports treating teams to implement an evidence based framework when managing patients with an eating disorder in their local service.

**Highlights of 2014:** In 2014 the service participated in a number of research activities and interstate/international collaborations, primarily with a view on evaluating and further informing current practice. With a RBWH Research Foundation grant, refeeding practices in medically compromised patients with an eating disorder are being investigated. This project is being facilitated with the collaboration of colleagues based at the ACUTE Centre for Eating Disorders in Colorado, USA.

The service also undertook projects focussing on the patient experience of inpatient treatment and the process of nasogastric refeeding, highlighting an emphasis on delivering a service that is consumer informed. Fruitful collaborations were undertaken with a local GP with a view to optimising pregnancy

outcomes for people with eating disorders and universities to evaluate aspects of our inpatient and outpatient programs. This work culminated in one poster and one oral presentation at the 2014 Australian and New Zealand Academy for Eating Disorders Conference in Fremantle, with a number of university partnerships forged and specific projects detailed for 2015.

A partnership with the Asia Pacific Centre for Neuromodulation at St Andrew War Memorial Hospital commenced with a view to developing a pilot trial for Deep Brain Stimulation for patients with severe and enduring treatment resistant anorexia nervosa. The service is also an active participant in the international Anorexia Nervosa Genetics Initiative (ANGI) study, which aims to identify and better understand genetic factors in anorexia nervosa.

**Benefits for clinical practice:** The research activities undertaken have not directly informed our clinical practice, but rather they have influenced the processes that sit behind clinical decisions made at ward rounds. Findings from the patient experience study of inpatient treatment highlighted the impact of inter-patient relationships on an individual's readiness to change and level of participation in the treatment programme. As a result, the treating team are now more mindful of these patient dynamics when reviewing and planning each patient's management plan.



**Dr Mark Daglish**

Director  
Addiction Psychiatry

## Hospital Alcohol and Drugs Service

**About this service:** The Hospital Alcohol and Drug Service (HADS) provides inpatient services for management of alcohol and drug problems. We also provide a consultation-liaison service to the rest of RBWH. The inpatient arm of the service comprises a 16-bed ward with 1200 admissions per year, with the majority being for alcohol withdrawal management.

The consultation-liaison service provides advice and assistance to the whole of RBWH, with a similar number of referrals each year. We have particularly close links with the Department of Emergency Medicine, the Psychiatric Emergency Clinic, the Chronic Pain Team and general Mental Health Services. We also provide expert input to the specialist ante-natal clinic (SHADES) for substance using women and a Drug and Alcohol Brief Intervention Team (DABIT) service to the Department of Emergency Medicine.

**Highlights of 2014:** Research in the inpatient unit has focused on enhanced referral pathways for patients on discharge from the service. Our senior medical staff have joint and honorary appointments with the University of Queensland (UQ) and Queensland University of Technology (QUT). This ongoing collaboration of our conjoint academic staff with local universities continues to yield high quality published papers in the field of psychiatric genetics.

**Benefits for clinical practice:** The research into enhanced patient referral pathways seeks to improve long-term treatment outcomes for patients in terms of relapse prevention and the associated health gains. The genetics research hopes to enhance our understanding of the biology underpinning psychiatric disorders.



**Prof. Gerard Byrne**  
Director  
Older Persons  
Mental Health Service

## Older Persons Mental Health Service

**About this service:** The Older Persons Mental Health Service (OPMHS) assesses and treats older people with serious mental disorders. The Service has 10 beds in the RBWH Mental Health Centre, runs an outpatient clinic and a busy community outreach service. It also provides a consultation/liaison service to the Geriatric Assessment and Rehabilitation Unit (GARU) and contributes to the RBWH Memory Clinic. Each year the OPMHS runs a statewide symposium on the mental health of older people. The OPMHS has strong links with the University of Queensland Academic Discipline of Psychiatry and is actively engaged in teaching students of several disciplines (medical, nursing, psychology, occupational therapy, social work). OPMHS personnel are involved in clinical and health services research in relation to mental disorders in older people, including those with anxiety, depression, psychosis and dementia. The director of the OPMHS, Prof Gerard Byrne, collaborates widely with researchers from other clinical disciplines, including psychology, geriatric medicine, neurology, pharmacy and nursing, as well as with several laboratory-based neuroscientists.

**Highlights of 2014:** Two new part-time consultant psychiatrists were appointed to the OPMHS: Dr Pamela van de Hoef and Dr Megan Nitz. A new registrar position was established, with 0.5 FTE devoted to research. This position was funded by the federal government under its Specialist Training Program (STP) initiative. Dr Sarah Steele occupied this position in 2014.

**Benefits for clinical practice:** Prof Byrne and Prof Nancy Pachana developed the Geriatric Anxiety Inventory (GAI), a scale to measure anxiety in older people. This has now been translated into more than a dozen languages and is in widespread use around the world. In 2014 the GAI was licenced to the U.S. Veterans' Administration. The GAI allows clinicians everywhere to rate anxiety in their older patients and thus promotes both awareness and purposive management of this commonly neglected syndrome.

Prof Byrne collaborated with A/Prof Christine Neville to write a textbook for mental health workers, called *Community Mental Health for Older People*. This book is used around Australia in tertiary courses on the mental health of older people. The book is of particular value for mental health personnel transitioning from adult to older persons services, essential as the population ages.

During 2014, Prof Byrne collaborated with Dr Jennifer Fitzgerald to edit a textbook for medical students, called *Psychosocial Dimensions in Medicine*. This textbook, whose publication is imminent, promotes increased awareness of psychosocial aspects of medical care and contains a series of case vignettes to promote clinical application.



**Dr Ed Heffernan**  
Director  
Queensland Forensic  
Mental Health Service

## Forensic Mental Health Service

**About this service:** Queensland Health is the major provider of mental health services to people with a mental illness who are involved with, or at risk of entering, the criminal justice system. These services are provided across the age spectrum. The QLD Forensic Mental Health Service is managed across the State from major groupings based in Brisbane (Metro North and West Moreton) and smaller hubs along the Queensland coast. The integrated services consist of Secure Inpatient Services, Prison Mental Health Services, Court Liaison Services and Community Forensic Outreach Services. The State-wide component of the service is led by the Director and Operations Manager, QLD Forensic Mental Health Service (based in the Metro North HHS) with the support of the Service Managers, Clinical Directors, and five State-wide positions coordinating Court Liaison Services, Prison Mental Health Services, District Forensic Liaison Network, Indigenous Forensic Mental Health, and the State-wide Community Risk Management program.

**Highlights of 2014:** The service was successful in obtaining a competitive research grant from beyondblue providing two years of funding to support research in the area of Improving the understanding and treatment of post-traumatic stress disorder in Aboriginal and Torres Strait Islander women in custody. An additional success for 2014 was the service's role in collaborating to establish the NHMRC funded CRE in Offender Health, which has provided a PhD scholarship to a member of the Queensland Forensic Mental Health Service staff. Research has focussed on areas of clinical need that have been identified as follows:

- Post Traumatic Stress Disorder in Aboriginal and Torres Strait Islander women in custody
- Evaluation of the Queensland Fixated Threat Assessment Centre
- Examining the precursors to violence in people with mental illness who threaten violence
- Comparison of mental health diversion models across Australia

**Benefits for clinical practice:** Our research informs service design and delivery and, ultimately, improves the experience of forensic consumers and other stakeholders. The service prioritises the sharing of research findings with stakeholders and the wider community through publications, seminars and presentations.



**Prof. James Scott**  
Consultation Psychiatrist  
Early Psychosis Service

## Early Psychosis Service

**About this service:** The Royal Brisbane and Women's Hospital Early Psychosis Service provides treatment for patients aged between 18 and 25 years who are unwell with psychosis or at high risk of psychosis. This multidisciplinary team provides medical, psychological and social support for young people and their families. Specialist therapies and support with work and education is emphasised so as to optimise recovery.

**Highlights of 2014:** For the Early Psychosis Service at RBWH, 2014 was a productive research year. An observational study investigating the impact of childhood trauma on patients with Early Psychosis found those who had experienced neglect or abuse during childhood were more symptomatic with increased depression and psychotic symptoms. The study was generously sponsored by the RBWH Foundation and private philanthropic donations and was published in the Australian and New Zealand Journal of Psychiatry.

Importantly, the trauma and early psychosis study was the first large research collaboration in Queensland for EP and was followed by a second study that is under way. All patients admitted to the RBWH for their episode of psychosis have been offered testing for a recently identified autoimmune illness (anti neuronal Encephalitis). Four of 128 patients tested have been found to have this illness.

**Benefits for clinical practice:** The trauma and psychosis study reminds clinicians of the importance of understanding a person's whole of life experience when providing treatment for mental illness. These patients received specific treatment for this autoimmune disorder. In years gone by, they would have possibly been diagnosed with schizophrenia and remained chronically unwell. This new discovery provides hope that, in the future, other causes of psychosis will be discovered, leading to better treatments. It has also provided strong evidence of the importance of screening for neuronal antibodies in patients who present with psychosis.



**Michael Power**  
Director  
Queensland Health Victim  
Support Service

## Queensland Health Victim Support Service

**About this service:** Queensland Health Victim Support Service (QHVSS) is a specialist, state-wide, clinical service supporting victims of violent crime and their families whose cases are diverted to the forensic mental health system. The service enables the longer term recovery of victims and their families through: the provision of high-quality counselling; psycho-education about the forensic mental health system; and court support. The service helps victims develop submissions to the Mental Health Court and the Mental Health Review Tribunal about the impact of offences and any ongoing safety concerns. Under the Mental Health Act 2000, QHVSS has an integral role in assisting victims to apply for and receive information about offenders on forensic orders as a result of offences against the victims. QHVSS is active in providing training about victims' experiences and needs within Queensland's forensic mental health system, to other closely associated government and non-government agencies, including mental health, police and community based victim support services. During 2014 QHVSS was based in the RBWH.

**Highlights of 2014:** Queensland's forensic mental health system, and the provision of specialist victim support services within that context, is unique in Australia. During 2014 QHVSS continued ongoing collaboration with Victim Assist Queensland, Department of Justice and Attorney General, on a literature review examining the impacts of violence on individuals and their families, the unique needs for victims in the forensic mental health system and interventions to support recovery. The literature review is due

for publication in 2015. QHVSS staff also developed a research proposal and applied to the RBH Research Foundation to investigate the impact for victims as a result of receiving information about forensic patients that is able to be provided to them under the Mental Health Act 2000.

**Benefits for clinical practice:** The literature review will provide a contemporary platform for the further refining of QHVSS operations and services. Significantly, it will also inform the targeting and initiation of ongoing research by the service, designed to remedy the dearth of research directly relevant to effective individual and systemic supports for the recovery for victims of violent crime and their families in the forensic mental health setting.



**Prof. Michael Breakspear**  
Coordinator  
QIMR Program of Mental  
Health and Complex  
Disorders

## QIMR Program of Mental Health and Complex Disorders

**About this service:** Mental illnesses encompass disorders of mood, thinking, perception, communication and function. They can occur throughout the lifespan and be disabling and distressing. The focus of the Mental Health and Complex Disorders Research Program at QIMR Berghofer is to combine the existing strengths of our work in genetics and population health with new techniques in neurosciences. Our team has strengths in the clinical aspects of mood disorders, completed by the capacity to use genetic, imaging and computational approaches to understand these debilitating disorders. The promise of this approach is personalised therapies for the mood disorders, based on improved knowledge of pathophysiology (in particular, the brain circuits involved in the mood disorders) and empirically validated clinical and/or biological phenotypes.

Systems Neuroscience is an approach to brain sciences that seeks the basic principles of brain organization, dynamics and function across a hierarchy of spatial and temporal scales. It is a rapidly growing field that differs considerably from the traditional reductionist paradigm in neuroscience that addresses sufficient causes for local phenomena.

The work of our group embodies these principles across three broad domains -empirical, computational and clinical neuroscience. The overarching aim of this work is to contribute towards unifying models of brain architecture, dynamics and cognitive (dys)function.

**Highlights of 2014:** Highlights of 2014 have included the filing of patent application no. PCT/AU2014/050364 – “Prognostic burst metric for hypoxic neonates”, the development of a novel prognostic marker that predicts neurological and developmental outcomes in preterm and hypoxic newborn neonates. This technique has been patented and is proceeding toward a licensing arrangement for clinical translation into neonatal intensive care. Numerous research grants totalling over \$500,000.00 were also awarded. Research collaborations were undertaken with multiple institutions, and industry collaboration with Kvikna titled “Prognostic metric for asphyxia” was commenced resulting in the development of a non exclusive licence in development phase.

**Benefits for clinical practice:** We discovered a new type of electrical activity that characterises abnormal brain responses in newborn infants deprived of oxygen by birth complications. We showed how this can be measured in clinical practise (in the neonatal intensive care unit) and then used to predict longer term outcome. This discovery is the subject of a patent application (as mentioned above).

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Metro North Mental Health - RBWH</b>			
<b>Assoc. Professor Brett Emmerson</b>	MBBS, MHA, FRANZCP, FRACMA	Executive Director, Metro North Mental Health	Physical health of people with severe mental illness, use of benchmarking and performance indicators to improve service
<b>Assoc. Professor Lisa Fawcett</b>	RGN, Cert Psychiatric Nursing, Cert Management, Grad Dip Health Counselling, MSc (PHC)	Nursing Director, Operations Director	Risk assessment, workforce development, nursing leadership, consumer and carer engagement
<b>Nathan Dart</b>	BN, MMHN	Assistant Nursing Director	Workforce development. Professional standards
<b>Dr Niall Higgins</b>	RN, GDipeH, PhD	Clinical Academic Fellow - Nursing	Nursing practice research in Mental Health and Critical Care Nursing employing Evidence Based Practice quantitative approaches.
<b>Dr Sue Patterson</b>	BSc, BSocSc(Hons), Grad Cert Health, DIC, PhD	Principal Research Fellow	Service design, delivery and evaluation, research methodology, mixed-method research
<b>Dr Anna Praskova</b>	BPsych(Hons), PhD, MAPS	Principal Research Fellow (acting)	Quantitative methods, assessment tool development, psychometrics, career development and wellbeing research
<b>Dr Sarah Young</b>	DPsych(Clin)	Senior Clinical Psychologist and Research Officer	Adult mental health and experience of service users. Child and adolescent psychopathology in areas of anxiety, depression, and associated physical health symptoms. Qualitative and quantitative research approaches.
<b>Ms Sue Savill</b>		Research Officer	Qualitative research; mindfulness approaches
<b>Ms Imani Gunasekara</b>	BSc(Hons)	Consumer Consultant	Consumer experience, engagement and outcomes, professional practice
<b>Ms Tracey Rodgers</b>	BA(Hons)	Carer Consultant	Carer engagement, participatory research, readmission

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Department of Adolescent Psychiatry</b>			
<b>Dr David Ward</b>	MB CHB FRCPsych FRANZCP CCST Child and Adolescent psychiatry (UK)	Director	Early onset psychosis, eating disorders and consumer participation
<b>Dr Ian Williams</b>	MBBS, FRANCP	Director (2014)	Telepsychiatry, Adolescent mental health, Abnormal illness behaviour
<b>Ms Robin</b>	Counsel Masters in Mental Health Nursing	Nurse Unit Manager	Physical health of adolescents and workforce management
<b>Mr Chris Darbyshire</b>	MBus, MMusThy	Music Therapist	Adolescents, music therapy, the role of music in emotional regulation
<b>Department of Consultation Liaison Psychiatry</b>			
<b>Dr John Linnane</b>	MBBS, FRAPNZC	Director	Telepsychiatry, Adolescent mental health, Abnormal illness behaviour
<b>Assoc. Professor Jane Turner</b>	MBBS, PhD, FRANZCP	CL Psychiatrist, Assoc. Professor, UQ	Psycho-oncology
<b>Dr Philip Mosley</b>	MA (Oxon.) BMBCh (Oxon.)	Psychiatry Registrar	Neuropsychiatry
<b>Dr Rodney Marsh</b>	MBBS, FRANZCP	Consultant Psychiatrist	Neuropsychiatry
<b>Dr Lynne Heyes</b>	D Clin Psy, M.A(Hons)	Clinical Psychologist	Burns
<b>Eating Disorders Service</b>			
<b>Dr Warren Ward</b>	MBBS, FRANZCP, GradCertMgmt	Director	Service access, malnutrition, medical monitoring
<b>Mr Shane Jeffrey</b>	BSc, GradDipNutrDiet	Senior Dietitian	Weight management, malnutrition, medical monitoring
<b>Hospital Alcohol and Drugs Service</b>			
<b>Prof Bruce Lawford</b>	MBBS, FRANZCP, FACHAM	Visiting Medical Officer	genetics, schizophrenia, addiction
<b>Dr Mark Daglish</b>	BSc, MBChB, MD, FRANZCP	Director of Addiction Psychiatry	addiction, psychopharmacology
<b>Queensland Victim Support Service</b>			
<b>Mr Michael Power</b>	Bachelor of Social Work (Hons) Master of Social Work	Director, Queensland Health Victim Support Service	Victims / families / forensic mental health Contribution of information access to recovery for victims of violent crime
<b>Mr Ian Morris</b>	Bachelor of Social Work, GradCert Forensic Mental Health, Bachelor Veterinary Science	Victim Support Coordinator (Social Worker – Advanced)	Victims / families / forensic mental health Practice approaches to effective support to victims in the forensic mental health system
<b>Early Psychosis Service</b>			
<b>Assoc. Professor James Scott</b>	MBBS; FRANZCP; PhD	Consultant Psychiatrist	Youth Mental Health
<b>Ms Anne Gordon</b>	M.Clin. Psych., GDip Psych., BA (Psy), BA (Arts)	Clinical Psychologist	Youth and Adult Mental Health & Clinical Psychology
<b>Inner North Brisbane Mental Health Service</b>			
<b>Dr Vikas Moudgil</b>	MBBS, FRANZCP, MMH	Clinical Director	Health service administration, general adult psychiatry with interest in improving physical health of people with severe mental illness
<b>Mr David Higson</b>	RPN, BNurs, GradCert HM	Operations Manager	Trauma and dissociation
<b>Ms Deanne</b>	Erskine BOccThy, MForMH	Team Manager Homeless Health Outreach Team (HHOT)	Mental health, Homelessness, Forensic mental health

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Ms Barbara Baumgartner</b>	BA(Hons Psych), MSW, PG Dip Narrative Therapy and Community Work	Senior Social Worker HHOT	Homelessness, Mental health, Narrative therapy
<b>Ms Anne Gordon</b>	M.Clin. Psych., GDip Psych., BA (Psy), BA (Arts)	Senior Psychologist, Early Psychosis Team	Youth and Adult Mental Health & Clinical Psychology
<b>Ms Imani Gunasekara</b>	BSc(Hons)	Consumer Consultant	Consumer experience, engagement
<b>Dr Vinit Sawhney</b>	FRANZCP	Consultant Psychiatrist, Homeless Health Outreach Service	General Adult Psychiatry
<b>Ms Anna Johnston</b>	BN	Primary Care Liaison Officer	Primary care
<b>Ms Julie Ewing</b>	RMN	General Practitioner Liaison Officer	Primary Care
<b>Dr Anne Stark</b>	FRANZCP	Consultant Psychiatrist, Inner North Brisbane Mental Health Service	General Adult Psychiatry
<b>Older Person's Mental Health Service</b>			
<b>Professor Gerard Byrne</b>	BSc(Med) MBBS(Hons) PhD FRANZCP	Director	Mental disorders in older people; Alzheimer's disease
<b>Professor Nancy Pachana</b>	AB MA PhD FAPS FASSA	Research collaborator	Geropsychology
<b>Dr Nadeeka Dissanayaka</b>	BSc(Hons) PhD	Research collaborator	Non-motor manifestations of Parkinson's disease
<b>Dr Leander Mitchell</b>	BSc(Hons) DPsych	Research collaborator	Neuropsychology/Geropsychology
<b>Dr Sarah Steele</b>	BA MBBS	Research registrar	Advanced Trainee in Child & Adolescent Psychiatry
<b>Ms Liz Arnold</b>	B Nursing	Senior research officer	Alzheimer's disease
<b>Ms Lyn Isbel</b>	MSW	Research assistant	Alzheimer's disease
<b>Ms Laura Adams</b>	MCouns	Research assistant	Counselling/Clinical Trials; quality assurance, implementation and education of medical protocols, evaluation of clinical reasoning skills; nutraceutical research, mental health (mood disorders)
<b>Mr Joseph Williams</b>	BSc	Research assistant	Clinical trials
<b>Ms Patricia Macdonald</b>	BPsych(Hons)	Research assistant	Clinical trials
<b>Queensland Forensic Mental Health Service</b>			
<b>Assoc. Professor Ed Heffernan</b>	MBBS, BSc (Hons), MPH, FRANZCP	Director	Custodial mental health, Indigenous forensic mental health, substance use disorders
<b>Dr Elke Perdacher</b>	B SS (Psych), Pg. Dip. Psych., DPsych (Forensic)	Program Co-ordinator, Post Graduate Training	Denial in child sexual offenders, quality of admission in child sexual offenders across the judicial system: offender, victim and offence characteristics
<b>Mr Bob Green</b>	B Soc Wk, MSW, PhD (psych)	Program Co-ordinator, State-wide Community Risk Management Program	Risk assessment, arson and reoffending
<b>Adjunct Professor Michele Pathé</b>	MBBS, MD, FRANZCP	Senior Forensic Psychiatrist	Stalking risk Arson Public figure harassment
<b>Dr Tim Lowry</b>	BA, Grad. Dip. Sc, M Clin Psych, D Psych (Clinical)	Team Manager, CFOS	Arson risk assessment Delusions and other high risk psychotic phenomena System development
<b>Dr Jane Phillips</b>	MBBS (Hons). MPM. FRANZCP, Cert. Forensic Psych., Grad.Dip.For. Beh Sci	Forensic Psychiatrist	Court liaison assessment Screen for stalkers

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Jane Phillips</b>	MBBS (Hons). MPM. FRANZCP., Cert. Forensic Psych., Grad.Dip.For. Beh Sci	Forensic Psychiatrist	Court liaison assessment Screen for stalkers
<b>Ms Melanie Mitchell</b>	BA (Psych), Hons, Pg. Cert. Psych Practice	Psychologist, CFOS	Assessing and managing threateners with mental illness
<b>Ms Fiona Davidson</b>	B Nurs, Grad. Dip. Mental Health, M Social Sc (Health)	Program Coordinator, Research and Evaluation	Sedating psychotropic medication in custodial settings, Benchmarking Deafness and Forensic Mental Health, Mental health diversion
<b>Dr Elissa Waterson</b>	B Behav Science (Psych), Hons, BA (Criminology and Criminal Justice), D Psych (Clinical)	Operations Manager, Queensland Forensic Mental Health Service	Therapeutic responses to trauma in forensic mental health,
<b>QIMR Program of Mental Health and Complex Disorders</b>			
<b>Professor Michael Breakspear</b>	BSc, BA, MB BS, PhD, FRANZCP	Group Leader	Large-scale brain dynamics, major mental illnesses, cognitive operations.
<b>Dr James Roberts</b>	BSc, MPhys, PhD	Research Officer	Brain networks, neural field and neural mass models, brain networks.
<b>Dr Leonardo Gollo</b>	BSc, MPhys, PhD	Research Officer	Cortical motifs, brain networks.
<b>Dr Marta Garrido</b>	BPhys, PhD	Visiting Scientist	Brain mechanisms, predictive processes, Neuroimaging methods.
<b>Dr Rajib Rana</b>	BCompSci, PhD.	Visiting Scientist	Compressive Sensing, applied machine Learning, optimization.
<b>Dr Sascha Frydman</b>	BCompSci, PhD	Scientific Officer – Bioinform	Computing, EEG, experimental design, design and analysis.
<b>Dr Gloria Roberts</b>	BPsySc, MSc (Neuropharmacology), P grad cert, PhD	Visiting Scientist	Biological psychology, neurocognitive patterns and neural networks, cognitive sciences.
<b>Dr Christine Guo</b>	BBiolSc, PhD	QIMR Berghofer International Fellow	Neurodegenerative diseases, neurological and psychiatric disorders, electrophysiology.
<b>Dr Vinh Nguyen</b>	BCompSci, PhD	Research Officer	Brain function, EEG, fMRI.
<b>Dr Matthew Hyett</b>	BPsySc, PGDipPsy, PhD	Visiting Scientist	Clinical conditions, cognitive and neurobiological mechanisms, mental illnesses.
<b>Dr Patrick Johnston</b>	BPsych, PhD	Affiliate	Neuroimaging and neuroscience, cognitive neuropsychology, social cognition.

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Neeraj Gill	Doctor of Public Health, UNSW (2013-2016)	Mental health legislation
Anne Gordon	Doctorate of Psychology, Griffith University (2010-2015)	A randomised wait-list control community study of Social Cognition and Interaction Training (SCIT) for people with schizophrenia.
Natalie Avery	Master of Clin Psych, Charles Sturt University (2013-2016)	Psychologists perception of their role and the role of the MHS in the management of physical health issues for clients with a serious mental illness
Elke Perdacher	Masters Clin Psych, UQ (2014-2018)	Utility of the Stay Strong Plan tablet PC application with Aboriginal and Torres Strait Islander women in custody
Duhig, M.	Masters Psychology, QUT (2013-2014)	The Prevalence and Correlates of Childhood Trauma in Patients with Early Psychosis
Kartik Iyer	PhD UQ (2014 completed)	Novel methods for predicting outcome in neonates from electroencephalographic recordings
Anton Lord	PhD UQ (2014 completed)	Biometric markers for affective disorders

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Lucianne Palmquist	PhD, Griffith University (2013-2017)	Recovery in Adolescents
Peter Carr	PhD, Griffith University (2014-2017)	Risk Factors for peripheral intravenous cannula insertion failure in the Emergency Department
Capra, C.	PhD, QUT (2011-2015)	Measuring, understanding and reducing psychotic-like experiences (PLEs) in young people
Melanie Mitchell	PhD, QUT (2014 -2019) part time	Precursors to violence in people with mental illness who threaten violence.
Wole Akosile	PhD, QUT (2014-2018)	Alcohol dependence and PTSD
Matthew Hyett	PhD, UNSW (2014 completed)	Attention and inference in melancholic depression
Saied Mehkarnoon	PhD, UNSW (2014 completed)	Dynamic networks in the brain inferred from the analysis of neurophysiology data
Ji Hyun (Julia) Yang	PhD, UQ	Markers and mechanisms of mild cognitive impairment in Parkinson's disease
Elizabeth Ness McVie	PhD, UQ	An analysis of the decisions of the Queensland Mental Health Court.
Beyon Miloyan	PhD, UQ	Epidemiology of anxiety in later life
Jenifer Anne Murphy	PhD, UQ	Chronic and treatment-resistant depression
Natalie Therese Mills	PhD, UQ	Genetics of cytokine activity in children and adolescents
Crystal Leigh Higgs	PhD, UQ	Synaptic dysfunction in Alzheimer's disease
Mills, N.	PhD, UQ (2010-2016)	The role of cytokines in depression and cognition in adolescents
Ed Heffernan	PhD, UQ (2010-2016) part time	The mental health problems of Aboriginal and Torres Strait Islander people in custody.
Erskine, H.	PhD, UQ (2013-2015)	The epidemiology of conduct disorder and implications for interventions
Banney, R	PhD, UQ (2013-2016)	Specific language impairment across the lifespan: A retrospective and prospective study.
Jaime Yasky	PhD, UQ (2014 Completed)	Resistance to psychoanalytic treatment among patients with psychosomatic disorders
Ikhlas Abdalaziz Sindi	PhD, UQ (2014 completed)	Disruption of nerve-cell connections in Alzheimer's disease through the assay of the trans-synaptic proteins: neurexins and neuroligins
Thomas, H.	PhD, UQ (2014-2016)	Beyond the classroom and into the cyber world, next generation research into adolescent bullying
Fiona Davidson	PhD, UQ (2014-2019) P/T	National Forensic Mental Health Project: A comparison of court liaison and court diversion services throughout Australia for people with mental disorder.
Meddick, T.	PhD, UQ (2014-2020)	Exploring family mental health as predictors of children's education and vocational outcomes across the lifespan
Phil Mosley	PhD, UQ (completion 2020)	Impulsivity and caregiver burden after deep brain stimulation for Parkinson's disease.
Timothy Lee Tattersall	PhD, UQ, (2014 completed)	Neuronal activity in the pedunculopontine nucleus and globus pallidus in patients with movement disorders.
Bonnie Law	PhD/MBBS, UQ (2013-2017)	Alcohol dependence and depression

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Kimina Andersen	Professional Doctorate, UNSW, enrolled P/T 2014	Forensic Mental Health and Aboriginal and Torres Strait Islander people

## Awards and achievements

Award	Event	Recipient
Chairman's scholarship	Metro North Chairman's Scholarship Program	Assoc. Professor Sue Patterson
Mental Health Nurse of the Year	Australian College of Mental Health Nurses (ACMHN) Awards	Assoc. Professor Lisa Fawcett
The College Citation	RANZCP Awards	Assoc. Professor Brett Emmerson
The Chancellor's Medal for Excellence in PhD Thesis	Griffith University Graduation Ceremony	Dr Anna Praskova
The inaugural Royal Brisbane and Women's Hospital Foundation Award for Clinical Education.	The Royal Brisbane and Women's Hospital Symposium 2013	Ms Nicole Goulter
Best Poster Presentation Award	The Australian College of Mental Health Nurses 39th International Conference 2013	Ms Nicole Goulter
RANZCP Faculty of Psychiatry of Old Age Trainee Prize	RANZCP Annual Congress	Dr Philip Mosley
RANZCP Section of CL Psychiatry Trainee Prize	RANZCP CL Psychiatry Conference	Dr Philip Mosley

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Belavy, D., Van Zundert, A., Higgins, N.	A trial of a vessel finder vs standard technique for peripheral placement of intravenous catheters	UQ Academic Title Holder Research Fund	\$57,311.19 (2014)
Berk, M., McGrath, J.*, Dean, O., Lapau, W., Dodds, S., Scott, J.*, Dark, F.	The efficacy of adjunctive Garcinia mangostana Linn (mangosteen) pericarp for the treatment of Schizophrenia: A double-blind, randomized, placebo controlled trial	Stanley MRI Project	US\$899,398 (2015-2018)
Breakspear, M.	A novel diagnostic test for schizophrenia	QLD Office of Health and Medical Research	\$375,000 (2010-2014)
Breakspear, M., McIntosh, A.R., Jirsa, V., Deco, G., Friston, K., Price, C.	Brain network recovery group	James McDonnell Foundation, USA	\$3,000,000 (2011-2014)
Butow, P., Thewes, B., Turner, J., Gilchrist, J., Beith, J., Girgis, A., Sharpe, L., Bell, M., Mihalopoulos, C.	Evaluation of a psychological and educational intervention for fear of cancer recurrence: A clustered randomised controlled trial	Cancer Australia Beyond Blue	\$496,702 (2012-2014)
Breakspear, M*	Depression, physical activity and metabolic risk: a study of physical and emotional wellbeing in an Indigenous urban	Perpetual Trustees Australia Limited	\$131,200 (2014 – 2016)
Byrne, GJ.*	Randomised, double-blind, parallel group, placebo-controlled study of LuAE58054 in patients with mild-moderate Alzheimer's disease	Lundbeck Australia Pty Ltd (sponsored Clin trial)	\$134,673 (2014)

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Byrne, GJ.*	Randomised, double-blind, placebo-controlled study of Leucomethylthioninium for Alzheimer's disease	TauRx Therapeutics (sponsored Clin Trial)	\$397,677 (2013-2015)
Childs, S., Patterson, S.	Using the WRAP to promote self-management and reduce service use for people with severe mental illness	MNHHS Innovation Fund	\$98,160 (2014)
Davidson, F.*	A comparison of court liaison and court diversion services throughout Australia for people with mental disorders.	NHMRC CRE in Offender Health, PhD Scholarship	\$100,000 (2014-2016)
Dissanayaka, N., Byrne, GJ.*, O'Sullivan, J., Marsh, R., Pachana, N.A.	Developing a non-invasive composite measure to enhance accuracy of identifying anxiety in Parkinson's disease	RBWH Project	\$77,000 (2014)
Egan, G., Hutton, L., Rosa, M., Lowery, A., Stuart, G., Arabzadeh, E., Skafidas, E., Ibbotson, M., Petrou, S., Paxinos, G., Mattingley, J., Garrido, M., Sah, P., Robinson, P., Martin, P., Grunert, U., Tanaka, K., Mitra, P., Johnson, G., Diamond, M., Margrie, T., Leopold, D., Movshon, J., Breakspear, M.*, Markram, H., Victor, J., Hill, S., Jirsa V.	ARC Centre of Excellence for Integrative Brain Function	ARC Linkage	\$557,802 (2014 – 2020)
Fawcett, L., Dart, N., Goulter, N., Haworth, S., Chelemeshatty, R., Wilkinson, N., Gunasekara, I., Rodgers, T.	Does the introduction of a validated risk assessment tool impact clinical practice, ward atmosphere and patient outcomes	QLD Health Nursing and Midwifery Research Fellowship	\$100,000 (2014)
Girgis, A., Lambert, S., Turner, J., McElduff, P., Kayser, K., Mihalopoulos, C.	Coping together: A randomised controlled trial of a self-directed coping skills intervention for patients with cancer and their partners	NHMRC	\$739,087 (2001-2014)
Guo, C.*	Multimodal high resolution and imaging markers for neurodegeneration	QIMR Berghofer Seed Funding	\$25,000 (2014 – 2015)
Guo, C.*, Han, J., Hu, X., Guo, L.	Brain Connectomics and Mental Health	Northwestern Polytechnical University, Special Talent Award	\$80,000 (2014 – 2015)
Heffernan, E.*	The Family Business – Improving the Understanding and Treatment of Post Traumatic Stress Disorder among incarcerated Aboriginal and Torres Strait Islander Women	Beyond Blue, Competitive gran with contracted research.	\$255,000 (2014-2016)
Hides, L., Kavanagh, D., Connor, J., Daglish, M., Cotton, S., Barendregt, J., Witkiewitz, K., Young, R., White, A.	Brief telephone interventions for reducing future alcohol use and related harm in young people accessing emergency departments	NHMRC Mental Health Targeted Call for Research	\$702,461 (2012-2016)
Keogh, S., Higgins, N., Kleidon, T., Marsh, N., Rickard C.	Flushing in Peripheral intravenous catheters (FlIP): A pilot factorial, randomized trial of high versus low frequency and volume in paediatrics. ("FlIP in Kids")	Griffith University Industry Collaborative Scheme	\$10,000 (2014)
Lubman, D., Best, D., Lloyd, B., Elliott, M., Hunter, B., Savic, M., Eleftheriadis, D., Allsop, S., Magor-Blatch, L., Daglish, M., Lucas, J., Gruenert, S., Casey, W.	The development of a quality framework for Australian Government Funded Drug and Alcohol Treatment Services	Commonwealth Dept. of Health	\$680,359 (2013-2014)
Mercurri, A., Oakenfeld, A., Izzard, C., Petch, E., Heffernan, E.	Service Plan for Forensic Mental Health Services,	Department of Health Victoria	\$258,000 (2013 -2014)

## Research grants

Investigators *RBWH staff; this department	Project title	Granting body and scheme	Amount awarded (years)
Mitchell, P., Parker, G., Schofield, P., Breakspear, M.	Identifying determinants of both the origins and progression of the depressive and bipolar (mood) disorders	NHMRC	\$7,000 000 (2012-2016)
Mitchell, P., Schofield, P., Parker, G., Breakspear, M.*	Depressive and bipolar disorders: Pathophysiology, phenotypes and treatment innovations	NHMRC Program	\$7,100,605 (2013-2017)
Mosley, P.*	Impulsivity and caregiver commitment after deep brain stimulation for Parkinson's disease	Royal Australian & New Zealand College of Psychiatrists, Young Investigator Grant	\$60,000 (2014 – 2015)
Najman, J., Williams, G., Wray, N., et al., Scott, J.	Genetic and environmental contributions to the life course of common mental disorders-	NHMRC	\$1,474,527 (2011-2014)
Patterson, S., Chan, R., Scott, J., McGrath, J.	Recruitment to randomised controlled trials in cancer care and mental health: Comparative case studies	RBWH Research Project	\$40,000 (2014)
Sarris, J., Stough, C., Byrne, GJ., Scholey, A., Bousman, CA.	Kava for the treatment of generalised anxiety disorder: a 16-week double-blind RCT.	NHMRC	\$658,539 (2014-2016)
Sarris, J., Schweitzer, I., Stough, C., Bousman, C.A., Byrne, G.	The efficacy of adjunctive S-Adenosyl Methionine (SAMe) versus a combination nutraceutical in clinical depression: A double-blind, randomised, placebo-controlled trial.	NHMRC	\$768,098 (2013-2015)
Scott, J.G., McGrath, J.J., Najman, J., Mamun, A., Alati, R., Claverino, A.	Outcomes of adolescents who hallucinate	NHMRC Project	\$603,852 (2013-2015)
Wagner, I., Strodel, E., Ward, W., Painter, E.	Supporting carers of sufferers of long-standing Anorexia Nervosa: A capacitybuilding strategy to engage extended family in support and respite	QLD Centre for Social Science Intervention (QCSSI),	\$22,000 (2014)

# Nursing and Midwifery Services



**Adj. Assoc. Prof. Alanna Geary**  
Executive Director Nursing and  
Midwifery Services MNHHS



**Prof. Joan Webster**  
Nursing Director  
Research



**Adj. Assoc. Prof. Robyn Fox**  
Nursing and Midwifery Director  
Education



**Mr Anthony Nesbit**  
Nursing Director  
Patient Flow Unit

## Overview

Women's and Newborn Services offer a wide and diverse range of healthcare services to women and their babies in Queensland. Our dedicated team delivers a high standard of quality care to assist achieving the best and most positive outcome for you and your family. We remain a leading force in health promotion whilst continuing to provide specialist care in Maternity, Neonatology, Gynaecology and Cancer Services.

2014 was another challenging year as the need for services across all departments grows increasingly complex and demanding. Despite this, we continue to maintain an active interest in research activities as well as the provision of multiple education programs for undergraduate and postgraduate health service professionals. To that end we maintain a strong connection with local universities including The University of Queensland, Queensland University of Technology, James Cook University and Central Queensland University and the Royal Australian and New Zealand College of Obstetrics and Gynaecology (RANZCOG).

## Key departments

- » Patient Flow Unit
  - Community Interface Services
  - After-hours Hospital Management
  - Nursing Relief Pool
  - Patient Transport Unit
  - Operational Patient Flow Management Services
  - Transit Care Centre (Transit Lounge and Flex Bed Unit)
- » Workforce Planning Unit
- » Workforce Development Education Unit
- » Research and Development Unit

## Executive and directing staff

**Adj. Assoc. Prof. Alanna Geary**  
Executive Director Nursing and Midwifery  
Services

**Prof. Joan Webster**  
Nursing Director, Research  
Adj. Assoc. Prof. Robyn Fox PhD FCNA  
Nursing and Midwifery Director, Education

**Mr Anthony Nesbit**  
Nursing Director, Patient Flow Unit

**Mr Ben Ballard**  
Assistant Nursing Director, Workforce Planning  
Unit

**Ms Mary Fenn**  
Assistant Nursing Director, Community Interface

**Ms Katrina Kalmar**  
Assistant Nursing Director, Operational Patient  
Flows

**Ms Christine Burridge**  
Assistant Nursing Director, Education Service  
Coordination  
Women's and Newborn Services and Mental  
Health Services

**Dr Catriona Booker**  
Assistant Nursing Director, Education Service  
Coordination  
Surgery and Perioperative Services and Cancer  
Care Services

# Nursing Services



**Prof. Joan Webster**  
Director  
Nursing Services

## Overview

**About this service:** The Nursing Services' Research and Development Unit, is responsible for promoting a culture of research excellence across service lines. Our focus is to work with clinicians in the generation and utilization of evidence to inform policy and practice. We conduct clinically driven, high quality funded research, which is internationally recognised. Honorary Research Fellows, from several universities, also contribute to the research output of the Unit.

**Highlights of 2014:** We managed several NHMRC funded new or on-going, multi-site trials, which aim to provide clinical and cost effective evidence for patient care. These trials involved close collaboration with Griffith University, the University of Queensland and a number of other national and international universities who cooperate in a multidisciplinary team that has been working well together and building capacity for the past ten years. Partner hospitals in Queensland include the Princess Alexandra Hospital, The Prince Charles Hospital, the Lady Cilento Children's Hospital, Sunshine Coast University Hospital, the Mater Hospital, the Gold Coast Hospital and Ipswich hospital. Our pre-clinical research to inform the development of future interventions, has led to strong links with the microbiology laboratory at the UQCCR. Apart from the large, multi-centre trials, a number of local studies were also undertaken in 2014.

New, external research funding for the year exceeded \$2,000,000; staff from the Unit published 19 peer reviewed papers, and were invited to present papers at several international conferences. First prize was awarded for a presentation at the 17th Annual European Pressure Ulcer Meeting, Stockholm, Sweden. An invitation to the join Guideline Development Group for the European Pressure Ulcer Advisory Group and the Pan Pacific Pressure Injury Alliance, the most influential international group for pressure ulcer prevention and management was also received.

**Benefits for clinical practice:** During the year we completed a study examining the effect of frequent bed moves on patient outcomes. Understanding the adverse effect of frequent moves has prompted interventions aimed at reducing multiple bed moves and raises questions around many contemporary models of care and practices occurring broadly across hospitals nationally and internationally. Consumer participation is one of the Australian Safety and Quality Health Service Standards. So, in 2014 we conducted a multi-centre randomised controlled trial examining the effect of partnering with patients to test a 'prevention care-bundle' on the development of pressure injuries. In addition, our research program around vascular access, the most common procedure performed in clinical practice, is ongoing. Results of our trials in this area have been extremely influential and have been incorporated in important international clinical guidelines such as the national infection prevention guidelines of the UK (epic3 Guidelines); USA Centers for Disease Control and Prevention (CDC) guidelines and a highly cited Cochrane review. We are also conducting a prospective cohort study, which will provide very useful insights into potentially modifiable risk factors for peripheral intravenous catheter failure. This study has the potential to reduce patient discomfort and the costs associated with catheter re-sites. Collaboration with a team at QUT, investigating issues around patient assessment, has improved our understanding of the nurses' role in this area.



## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof Joan Webster</b>	RN, BA	Nursing Director, Research	testing the effectiveness of healthcare interventions, evidence- based practice
<b>Dr Carol Reid</b>	RN, PhD	Nurse Researcher	effectiveness of nursing interventions, evidence based practice, nursing workforce, sexual health and HIV, alcohol and drug, community health
<b>Nicole Marsh</b>	RN BN	Senior Project Officer	testing the effectiveness of healthcare interventions, especially IV access related research.
		Director, Centre for Clinical Nursing	health services research, acute care nursing, advanced practice nursing service

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Marsh, N.	PhD Griffith Universtiy (2014-2016)	A multi-modal study of catheter failure (systematic review, prospective cohort study and a pilot randomised controlled trial)

## Awards and achievements

Award	Event	Recipient
First prize for research	17th Annual European Pressure Ulcer Meeting, Stockholm, Sweden. Aug 27th-29th 2014	Webster, J.
Winner. Safe practice and Environment award	Quarries award 2014	Webster, J. and Marsh, N.
Winner. Consumer engagement project	Quarries award 2014	Webster, J., Nesbit, A., Fenn, M.
Best Health Services Publication of 2014 for Cost-effectiveness analysis of clinically-indicated versus routine replacement of peripheral intravenous catheters. Applied Health Economics and Health Policy. 2014. 12 (1): 51-58.	Australian Centre for Health Services Innovation (AusHSI)	Tuffaha, HW., Rickard, CM., Webster, J., Marsh, N., Gordon, L., Wallis, M., Scuffham, P.

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Webster, J*, Marsh, N*, Choudry, N., Rickard, C.	Does adding Biopatch to central line dressings reduce the incidence of catheter related bacteraemia?	Griffith University Project	\$12,000 (2014)
Gillespie, B., Chaboyer, W., <b>Webster, J*</b> , Elwood, D., Whitty, J., Thalib, L., Cullum, N.	ADding negative pRESSure to improve heallING (the DRESSING trial).	NHMRC Project	\$2,285,351 (2014 – 2018)
<b>Webster, J*</b> , Rickard, C., Keogh, S., Tuffaha, H., Marsh, N*.	REplacing PeripheraL intrAvenous CathEters (REPLACE study)	Griffith Health Institute Project and Top Up	\$14,000 and \$15,000 (2014)
Kildea, S., Kruske, S., Tracy, S., Clifford, A., Nelson, C., Roe,Y., West, R., <b>Webster, J*</b> .	Birthing in our Improving maternal infant health care for Aboriginal and Torres Strait Islander women and infants	NHMRC Partnership	\$1,297,911 (2014-2018)

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Chaboyer, W., Bucknal, T., <b>Webster, J*</b> , McInnes, L., Banks, M*, Wallis, M., Gillespie, B., Whitty, J., Thalib, L., Cullum, N.	INTroducing A Care bundle To prevent pressure injury (the INTACT trial)	NHMRC Project	\$1,071,076 (2014-2015)
Nesbit, T*. New, K*, Webster, J*.	The PATH study	Private Practice Trust Fund Project	\$40,000 (2014)
Rickard, C., Fraser, J., <b>Webster, J*</b> , Marshall, A., Young, J., Playford, EG., McMillan, D., McGrail, M., Gowardman, J., Thom, O.	Securing Arterial and Venous peripheral devices Effectively in hospitals: The SAVE Trial NHMRC \$969,024	NHMRC Project	\$969,024 (2012 – 2015)
Kildea, S., <b>Webster, J*</b> , Martensson, L., Stapleton, H., Homer, C., Beckmann, M.	Impact on Caesarean section rates following injections of sterile water (ICARIS Trial)	NHMRC Project	\$456,760 (2012 – 2015)

# Surgical and Perioperative Services



**Dr Barry O'Loughlin**  
Executive Director  
Surgical and Perioperative  
Services

## Overview

Surgical and Perioperative Services incorporates all surgical specialities at the Royal Brisbane and Women's Hospital and includes inpatient, ambulatory and perioperative services. In July 2004 this was expanded to include the Department of Anaesthetics and Perioperative Medicine.

The service line is a busy and challenging area with increasing acuity and complexity. Innovations in technology and new procedures contribute to the challenges in terms of patient delivery and teaching and training, inpatient beds in eight geographically separate areas, a perioperative service, an anaesthetic service and outpatient services.

The perioperative service is responsible for approximately 18,000 surgical procedures per year, performed in 18 operating rooms.

A wide range of elective and emergency speciality surgery and other services are provided, including trauma, burns, organ retrieval, chronic pain management and an acute pain management service. The pre-admission service manages approximately 90 per cent of elective surgical patients for assessment, education and discharge planning by medical, anaesthetic and nursing staff about one week prior to admission.



**Sue Cadigan**  
Nursing Director  
Surgical and Perioperative  
Services

## Key departments

- » Department of Anaesthetics and Perioperative Medicine
- » Department of Ear Nose and Throat Surgery
- » Department of General Surgery
- » Department of Neurosurgery
- » Department of Ophthalmology
- » Department of Oral and Maxillofacial Surgery
- » Department of Orthopaedic Surgery
- » Department of Plastics and Reconstructive Surgery
- » Professor Stuart Pegg Adult Burns Centre
- » Trauma Service
- » Department of Urology
- » Department of Vascular Surgery

## Executive and directing staff

**Dr Barry O'Loughlin**  
Executive Director, Surgical and Perioperative  
Services; Director, General Surgery

**Sue Cadigan**  
Nursing Director, Surgical and  
Perioperative Services

**Assoc. Prof. Michael Steyn**  
Director, Anaesthetics  
and Perioperative Medicine

**Dr Andrew Lomas**  
Director, Ear Nose and Throat Surgery

**Dr Scott Campbell**  
Director, Neurosurgery

**Dr John Harrison**  
Chair, Ophthalmology

**Prof. Frank Monsour**  
Director, Oral and Maxillofacial Surgery

**Dr Sarah Watts**  
Acting Director, Orthopaedic Surgery

**Dr Stuart Bade**  
Director, Plastics and Reconstructive Surgery

**Dr Michael Rudd OAM**  
Director, Professor Stuart Pegg Adult Burns Centre

**Assoc. Prof. Daryl Wall AM**  
Director, Trauma Service

**Dr Nigel Duglison**  
Director, Urology

**Dr Jason Jenkins**  
Director, Vascular Surgery

# Department of Anaesthesia and Perioperative Medicine



**Assoc. Prof. Michael Steyn**  
Director  
Anaesthetics and  
Perioperative Medicine

## Overview

**About this service:** The vision of the Department of Anaesthesia of academic and clinical excellence continues to grow, with achievements focused on the development of a strong research culture. With a commitment to providing excellent anaesthetic care for patients with an evidence-based approach, Professor André van Zundert, Chairman of Anaesthetics, University of Queensland and chair of the Burns, Trauma, and Critical Care Research Centre (BTCCRC), leads our Research Interest Group in Anaesthesia (RIGA). His key area of research focus is airway management, in particular videolaryngoscopy and laryngeal mask airways, as well as the use of ultrasound-guided regional blocks. His philosophy has an emphasis on hands on teaching, with his development of the Centre of Excellence in Anaesthesia (CEIA), an innovative teaching, training, testing equipment, quality improvement and research centre within the department. Dr David Belavy chairs the twice monthly RIGA meetings and has developed a peer review pathway for fellow researchers to discuss protocols and ethics applications prior to submission. Dr Victoria Eley has commenced PhD studies and Dr Julie Lee is the Department's inaugural Provisional Fellow in Research, and soon to commence Master of Philosophy studies. Dr Michelle Roets is the equipment officer engaging in equipment studies. Our nationally recognized Airway Workshop Course is successfully run by Dr Linda Beckmann and Dr HauTan. Dr Martin Culwick continues to develop the ANZCA web-based incident monitoring program, WebAirs. Dr Kersi Taraporewalla continues his teaching interest with Simulation Training and Skills Development Centre Courses. Dr Kate Hames leads the teaching of junior staff. The Department has joined a large international, multi-centre

trial, the BALANCED Anaesthesia Study which is a study of depth of anaesthesia in elderly surgical patients, supported by the ANZCA Trials Group. Dr Michael Edwards is the site co-ordinator. There is collaboration with RBWH intensive care unit and the Griffith University Alliance for Vascular Access Research and Teaching Group (AVATAR).

**Highlights of 2014:** There have been several prestigious awards. Professor Van Zundert was been awarded the University of Queensland (UQ) Award for the Most Novel Innovation, at the UQ Teaching, Learning and Innovation Awards, for his concept which inspired his plans for the CEIA's development. Dr Adrian Chin established a regional anaesthesia block room, 'The Green Room' in the operating theatre, and was recognised for his achievement by winning the "Queensland Health Award for Excellence Fostering Innovation". He also received the Professor William Egerton Surgical Research Award for his presentation at the RBWH Symposium "Stumbling blocks – is innovation possible?" Dr Kersi Taraporewalla was the recipient of the UQ SOM/UQMS Award for Excellence in Clinical Teaching and the Clinical School Teaching Award. Our research nurse, Heather Reynolds was awarded her PhD.

**Benefits for clinical practice:** The department is committed to providing optimal care for patients based on world-class, research-based clinical practice. Our research activities aim to contribute to improved patient outcomes by using a collaborative approach to translate research knowledge into clinical practice, while focusing on a safe anaesthetic environment which aligns with practice guidelines.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Professor André van Zundert</b>	MD, PhD, FRCA, EDRA, FANZCA	Chairman of Anaesthetics, University of Queensland	airway management, regional anaesthesia, research and teaching
<b>Assoc Professor Michael Steyn</b>	MBChB, DRCOG, MRCP, FFARCSI, FANZCA, MSc	Director of Anaesthetics and Perioperative Medicine	anaesthesia, perioperative medicine
<b>Assoc Professor Kersi Taraporewalla</b>	MBBS, FANZCA, MClinEd, Cert IV in TAA	Director of Teaching and Research	education, safety
<b>Dr Heather Reynolds</b>	BA, BHlthSc, MN, MAdvancedPrac, CertTeach, CertCCN, CertAN, PhD	Research Nurse	arterial catheters, intravenous care
<b>Dr Linda Beckmann</b>	MBBS, FANZCA	Staff Specialist	difficult airway management
<b>Dr David Belavy</b>	BMedSc, MBBS, FANZCA	Staff Specialist	regional anaesthesia
<b>Dr Adrian Chin</b>	MBBS, FANZCA	Staff Specialist	regional anaesthesia
<b>Dr Martin Culwick</b>	BSc, MBChB, FANZCA, MIT	Staff Specialist	incident monitoring
<b>Dr Michael Edwards</b>	BSc, MBBS, PGDip Echo (Melb), FANZCA	Staff Specialist	depth of anaesthesia in the elderly
<b>Dr Victoria Eley</b>	MBBS, FANZCA	Staff Specialist	difficult airway management, obstetric anaesthesia
<b>Dr Julie Lee</b>	BPharm, MBBS, FANZCA	Provisional Fellow	Obstetrics, difficult airways

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Michelle Roets</b>	MSc, MBChB, DA, FCARCSI, FANZCA	Staff Specialist	equipment
<b>Dr Susannah Sherlock</b>	BSc, MBBS, FANZCA	Staff Specialist	pre hospital airway management, education and the use of hyperbaric oxygen
<b>Dr Hau Tan</b>	MBBS, FANZCA	Staff Specialist	difficult airway management

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Dr Victoria Eley	PhD Candidate, UQ Medicine (Professor van Zundert) (2014-2016)	Clinical Guidelines relating to the anaesthetic management of obese parturients: An evaluation of their utility in clinical practice and the evidence <sup>3</sup> supporting the recommendations
Dr Heather Reynolds	PhD, Griffith University (Assoc Professor Kersi Taraporewalla) (Completed 2014)	Dressing and Securement of Peripheral Arterial Catheters: A Pilot Randomised Controlled Trial

## Awards and achievements

Award	Event	Recipient
Most Novel Innovation	University of Queensland Awards	van Zundert, A.
Excellence Fostering Innovation	Queensland Health Awards	Chin, A.
Professor William Egerton Surgical Research Award	RBWH Symposium	Chin, A.
Excellence in Clinical Teaching and Clinical School Teaching	University of Queensland School of Medicine Awards	Taraporewalla, K.

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Eley, V.*, van Zundert, A.*	Obstetric subcutaneous fat study	UQ, Project	\$20,000 (2014-2015)
van Zundert, A.*	Centre for Excellence In Anaesthesia Project (CEIA)	University of Victoria, Donation	\$100,000 (2014-2015)
van Zundert, A.*, Higgins, N.*, Taraporewalla, K.*, Belavy, D.*, Boules, M.*	Near infra red vascular analysis (NIRVANA)	UQ/ Department of Anaesthesia research fund, Project	\$20,000/\$37,311 (2014-2016)



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# Department of Ear Nose and Throat Surgery



**Dr Prof Anders Cervin**  
Director  
Ear Nose and Throat Surgery

## Overview

**About this service:** The vision of the Ear, Nose and Throat, Head and Neck unit is to continue to develop clinical and academic excellence. The unit delivers tertiary care in malignancies of the head and neck as well as diseases of the nose, sinuses and ears. The focus is on delivering timely high quality care in a resource effective way.

**Highlights of 2014:** In diseases of the upper airway, the focus is on inflammation and infection and the potential of probiotics as a medical intervention. In collaboration with the Deadly Ears outreach program we are exploring the natural bacterial flora in healthy children. The aim being to discover friendly bacteria that may provide protection against infection.

With Prof Scott Bell at the Cystic Fibrosis team, Prince Charles Hospital we are investigating the potential role of reducing colonisation with the tissue destructive pseudomonas bacteria by introducing “good” bacteria such as alpha streptococci and lactic acid bacteria. The outcomes of laboratory studies are encouraging, where lactic acid bacteria can prevent pseudomonas from growing.

In chronic sinusitis we are investigating in collaboration with Dr Hanna Sidjabat UQCCR and Dr Seweryn Bialasiewicz Centre for Children’s Health Research the role of viruses and bacteria in chronic airway inflammation. The aim is to develop a probiotic nasal spray with antibacterial and anti-inflammatory properties. This project has been awarded grant support by the RBWH Foundation.

**Benefits for clinical practice:** Probiotics (friendly bacteria) may provide an alternative or a complement to antibiotics therapy. Furthermore probiotics are also effective against multi-resistant strains and may represent a viable treatment option in colonisation of so called super bugs. Probiotics may also play an anti-inflammatory role interacting with the immune system to reduce asthma and eczema.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof Anders Cervin</b>	MD, PHD, FRACS	Senior Staff Specialist	Rhinology
<b>Dr Robert Hodge</b>	MBBS, FRACS	VMO	Head and Neck
<b>Dr Maurice Stevens</b>	MBBS, FRACS	VMO	Head and Neck
<b>Dr Julie Agnew</b>	MBBS (HONS), FRACS	VMO	Head and Neck
<b>Dr James Earnshaw</b>	MBBS, FRACS	VMO	Rhinology
<b>Dr Sarju Vasani</b>	MB BChir MA FRCS	Fellow	Head and Neck

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Cervin, A.	University of Queensland start-up	University of Queensland start-up funds	\$600 000 (2014-2016)
Cervin, A.	The role of the bacterial, fungal and viral sinus microbiome in chronic rhinosinusitis patients	RBWH Foundation	\$30 000 (2014-2015)

# Department of General Surgery



**Dr Barry O'Loughlin**  
Executive Director  
Surgical and Perioperative  
Services

## Overview

The Department of General Surgery is composed of five units:

- Breast/endocrine
- Laparoscopic/hepato-biliary-pancreatic
- Colorectal
- Upper GI
- Acute services

The units provide tertiary level services in most aspects of their specialty and general surgery for the whole of the Royal Brisbane and Women's Hospital and is a major referral area for Queensland.

## Research staff

Name	Qualifications	Position	Interests/specialities
Owen Ung	MBBS, FRACS	Director, Centre for Breast Health, Head Breast Endocrine Unit	Breast and endocrine surgery

# Kenneth G. Jamieson Department of Neurosurgery



**Dr Lindy Jeffree**  
Director  
Neurosurgery

## Overview

**About this service:** The neurosurgical service provides an elective tertiary and quaternary specialty service, as well as around-the-clock emergency care, for patients with cranial and spinal conditions that may require surgery. The unit surgeons have sub specialty expertise in aneurysms and other cerebrovascular conditions, primary and secondary brain tumours, pituitary and other base of skull tumours, epilepsy, Chiari malformations and traumatic brain injury. Research is carried out in the department as an essential component of striving for excellence. This involves both primary clinical and quality assurance studies and translational collaborations with laboratory researchers.

**Highlights of 2014:** 2014 saw preliminary results published on an “Audit of fluorescence guided surgery for high grade glioma” and a “Pilot study into teaching neurosurgical registrars to laparoscopically insert the distal end of a ventriculoperitoneal catheter”.

**Benefits for clinical practice:** Both of these projects aim to improve patient outcomes at the same time as reducing morbidity and costs of care. For example, the preliminary results from the “Audit of fluorescence guided surgery for high grade glioma” indicate that introduction of this technology has been associated with an improvement in survival from primary brain tumours.



## Research staff

Name	Qualifications	Position
Dr Lindy Jeffree		Director
Julie Shearer		Neurosurgery Care coordinator
Dr Gert Tolleson		Staff Specialist
Dr Wendy Findlay		Staff Specialist
Dr Craig Winter		Staff Specialist
Dr Jason Papacostas		Staff Specialist
Dr Janusz Bonkowski		Staff Specialist
Dr Scott Campbell		Staff Specialist
Dr Michael Redmond		Staff Specialist
Dr Hamish Alexander		Registrar
Dr Jun Kim		Registrar
Dr Ashish Jonathan		Registrar
Dr Patrick Pearce		Registrar
Dr Michael Colditz		Registrar
Dr Elena Downs		Registrar

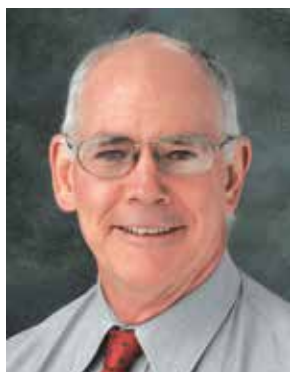
## Awards and achievements

Award	Event	Recipient
Winner of Professor William Egerton Award for Surgical Research	23rd Annual RBWH Healthcare Symposium 2014	Colditz, MJ, Jeffree RL

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Severi, G., McDonald, K., Vajdic, C., Nowak, A., Rosenthal, M., Drummond, K., Walker, D., Jeffree, L.*, Joseph, D., Giles, G., Leonard, R., Marsh, J., Benke, G.	Australian Genomics and clinical Outcomes of Glioma (AGOG)	Cancer Australia	\$600,00 (2012-2016)
Martin, J., Rose, S., Fay, M., Thomas, P.*, Head, R., Cosgrove, L., Dowson, N., Day, B., Boyd, A., Jeffree, L.*, Stringer, B., Inglis, P.L.*, Lockett, T., Lim, YC.	Targeting existing therapies with innovative technology platforms to improve survival in brain cancer	Cancer Council Queensland	\$200,000 (2014-2016)

# Department of Ophthalmology



**Dr John Harrison**  
Director  
Ophthalmology

## Overview

The Department of Ophthalmology is a very busy outpatients department consisting of ten Visiting Medical Officers (VMOs), one part-time Staff Specialist, three Registrars, one Senior Registrar and two Resident Medical Officers (RMOs) in the Eye Casualty Department.

The Outpatient Department specialises in cataract surgery, retinal eye diseases, cornea, glaucoma, uveitis, neuro ophthalmology, orbital and oculo plastics, general ophthalmology and eye casualty.

The department is involved in teaching undergraduate students, RMOs and Registrars.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr John Harrison</b>	MBBS (UQ), FRANZCO, FRACS	Director Ophthalmology	neuro-ophthalmology
<b>Assoc. Prof. Lawrence Lee</b>	MBBS, FRACS, FRANZCO	Staff Specialist	medical and surgical retinal disease
<b>Prof. Tim Sullivan</b>	FRANZCO, FRACS, FRCOphth	Professor of Eyelid, Lacrimal and Orbital Disease	lid disease/thyroid eye disease

# Department of Oral Maxillofacial Surgery



**Associate Professor  
Martin Batstone**  
Acting Director  
Oral and Maxillofacial  
Surgery

## Overview

**About this service:** The Royal Brisbane and Women's Hospital Maxillofacial Unit provides a Tertiary and Quaternary service for Queensland and beyond covering the full scope of Oral and Maxillofacial Surgery.

**Highlights of 2014:** Research has focussed on two main areas. The management and reconstruction of head and neck malignancies, and the treatment of facial injuries. The research staff of the unit have continued a high rate of publications, multiple local, national and international lectures and successful grant applications. Successful research higher degree candidates have led to a high demand for future students. The integration of technology in clinical practice will be a focus for coming years.

**Benefits for clinical practice:** Our research is aimed to deliver services in a cost efficient and timely fashion to patients whilst improving clinical outcomes and minimising the morbidity of treatments. Clinical research has been the focus of the unit but important collaborations with laboratory researchers continue.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>A/Prof Martin Batstone</b>	MBBS, BDSc(Hons) MPhil (Surg), FRACDS (OMS), FRCS (OMFS)	A/Director	Head and neck oncology surgery and reconstruction
<b>Dr Caroline Acton</b>	BDS, FDSRCS (Eng), MDSc (Oral Surg), FRACDS (OMS)	Staff Specialist	Maxillofacial oncology
<b>Dr Geoff Findlay</b>	BDSc, MBBS, FRACDS (OMS)	Staff Specialist	Maxillofacial trauma and implants
<b>Dr Richard Harris</b>	BDSc, MBBS, FRACDS (OMS), PhD	Staff Specialist	Trauma and bone substitutes
<b>Dr Edward Hsu, BDSc (Hons)</b>	MBBS, FRACDS (OMS)	Staff Specialist	Full scope of oral and maxillofacial surgery
<b>Professor Frank Monsour</b>	AM, RFD, FRACDS, PhD, MDSc, BDSc (Hons)	Staff Specialist	Maxillofacial trauma and reconstructive surgery
<b>A/Prof Neil Savage</b>	MDSc, PhD, FFOP(RCPA), FICD	Oral Pathologist/Consultant	Oral medicine and pathology
<b>Dr Rachel (Jen-Ti) Hsieh</b>	MBBS, BDSc	Registrar	
<b>Dr Ben Rahmel</b>	MBBS, BDSc	Registrar	
<b>Dr John Webster</b>	MBBS, BDSc (Hons)	Registrar	Oral cancer screening
<b>Dr Maarten Van Genechten</b>	MD, DDS	Fellow	Head and neck oncology surgery and reconstruction

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Pateman, K.	PhD, UQ 2011 – 2016)	Support needs and quality of life implications following head and neck cancer.
Hurrell, M.	PhD, UQ (2013 – 2017)	The effects of treatment timing on the outcomes of facial fractures.
Beech, N.	MPhil, UQ (2016 – 2016)	The effects of dental extractions on quality of life and the incidence of osteoradionecrosis.

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
<b>Batstone, MD*</b> , Beech, N	Pre-radiotherapy dental extractions, Osteoradionecrosis and Quality of Life	ANZAOMS	\$5,000
<b>Batstone, MD*</b> , Van Genechten M*	Ultrasound analysis of free flap vascular pedicles	ANZAOMS	\$10,000 (2014)
<b>Batstone, MD*</b> , Hurrell, M	The effects of treatment timing on the outcomes of facial fractures	University of Queensland Research Scholarship	\$25,849 (2014)

# Department of Orthopaedic Surgery



**Dr Sarah Watts**  
Director  
Orthopaedic Surgery

## Overview

The Department of Orthopaedic Surgery deals with all facets of orthopaedics. It comprises an orthopaedic outpatients clinic and two dedicated orthopaedic wards, as well as beds in the infectious diseases ward.

Unique facilities and services include:

- Tertiary referral service to Queensland and New South Wales
- The Centre for Trauma Management
- Reconstructive surgery and revision prosthetic surgery
- An orthopaedic service for haemophiliacs
- Subspeciality services, including hand surgery, upper limb surgery, knee surgery, spinal surgery, scoliosis surgery, foot surgery and a musculoskeletal service
- Professorial and associate positions with The University of Queensland (UQ)
- A complex total joint clinic
- A limb reconstruction clinic
- International trainee fellowship program management sponsored by Smith and Nephew.

Key areas of interest for research in orthopaedics include fracture healing, joint replacement, venous thromboembolic events, tissue oxygenation, skin grafting, joint replacement, scoliosis, trauma, spinal trauma, fracture assessment and classification.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Sarah Watts</b>	MBBS, FRAC	Director, Orthopaedic Surgery	orthopaedics, limb reconstruction
<b>Prof. Kevin Tetsworth</b>	MD, FRACS	Professor, Orthopaedic Surgery	orthopaedics, limb reconstruction
<b>Dr Steven Yanng</b>	MBChB, FRACS	VMO Orthopaedic Surgery	orthopaedics, spine
<b>Dr Trevor Gervais</b>	MBBS	Staff Surgeon	orthopaedics, upper limb
<b>Dr Geoffrey Donald</b>	MBBS, FRACS (Orth)	Director, Orthopaedic Surgery, Royal Children's Hospital	orthopaedics, limb reconstruction, paediatrics
<b>Dr Brett Halliday</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, limb reconstruction
<b>Dr Paul Pincus</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, limb reconstruction
<b>Dr Michael Holt</b>	MBBS, FRACS (Orth)	Staff Surgeon	orthopaedics
<b>Dr Peter McCombe</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine
<b>Prof. Ian McPhee</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis
<b>Dr John Tuffley</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis, paediatrics
<b>Dr Robert Labrom</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis, paediatrics
<b>Dr Christopher Bell</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Tony O'Neill</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Daniel Bopf</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Catherine McDougall</b>	MBBS	Senior House Officer	orthopaedics

# Department of Plastic and Reconstructive Surgery



**Dr Stuart Bade**  
Director  
Plastics and  
Reconstructive Surgery

## Overview

The Department of Plastic and Reconstructive Surgery at Royal Brisbane and Women's Hospital provides services across the breadth of the speciality, including:

- Skin cancer management
- Head and neck cancer management, including both extirpative and reconstructive surgery for advanced cutaneous and metastatic malignancy, salivary gland tumours and oropharyngeal malignancy
- Hand surgery
- Lower limb reconstruction
- Breast reconstruction
- Orthognathic surgery and secondary cleft lip and palate surgery
- Craniomaxillofacial trauma
- Burn surgery
- Microsurgery.

Particular areas of research include the management of skin cancer and head and neck malignancy, where the department plays an integral role in the multidisciplinary Head and Neck Clinic.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Stuart Bade</b>	MBBS, FRACS	Director, Plastics and Reconstructive Surgery	head and neck surgery, microsurgery
<b>Dr David Campbell</b>	MBBS, FRACS	Visiting Medical Officer	breast reconstruction, laser
<b>Dr Eddie Cheng</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery, breast reconstruction
<b>Dr William Cockburn</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery
<b>Dr Raymond Goh</b>	MBBS, FRACS	Visiting Medical Officer	orthognathic surgery
<b>Dr Vedella Hinckley</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery
<b>Dr Atul Ingle</b>	MBBS, FRACS	Staff Specialist	burns
<b>Dr Shireen Senewiratne</b>	MBBS, FRACS	Visiting Medical Officer	hand surgery, lower limb reconstruction, microsurgery
<b>Dr Robert Waiwright</b>	MBBS, FRACS	Visiting Medical Officer	skin cancer
<b>Dr Matthew Potter</b>	MBBS	Fellow	

# Professor Stuart Pegg Adult Burns Centre



**Dr Michael Rudd OAM**

Director  
Professor Stuart Pegg  
Adult Burns Centre

## Overview

Research within the Professor Stuart Pegg Adult Burns Centre occurs and is reported as part of The University of Queensland Burns, Trauma and Critical Care Research Centre Research Report for 2014.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Michael Rudd</b>	MBBS, FRACS, PhD, BMed Sci	Director, Professor Stuart Pegg Adult Burns Centre; Staff Specialist	sepsis, burn pathophysiology and immunobiology
<b>Assoc. Prof. Michael Muller</b>	MBBS, FRACS, MMed Sci	Staff Specialist	physiologic response to burns/injury and its modulation
<b>Dr Jason Miller</b>	MBBS, FRACS	Staff Specialist	melanoma, sarcoma
<b>Dr Keith Towsey</b>	MBBS, FRACS	Staff Specialist	wound healing
<b>Dr Jason Brown</b>	MBBS, FRACS, BDS (Hons)	Staff Specialist	trauma, burns
<b>Michelle Spermon</b>	BOTy	MSc Student	scar maturation modulation
<b>Anita Plaza</b>	BPhy	Senior Physiotherapist	exercise and metabolism following burn injuries
<b>Brooke Hoskin</b>	BPhy	Physiotherapist	investigation of modalities for improving compliance with physiotherapy
<b>Sharon Forbes</b>	BSc, GradDip Nut Diet	Dietician	energy and nutritional requirements during recovery from burns
<b>Teresa Matthews</b>	AO	Database Manager	reducing hospital stay and rural support
<b>Allison Hill</b>	RN	Registered Nurse	outpatient burns care burn management
<b>Lauren Moody</b>	RN	Audit Manager	audit
<b>Troy Davey</b>	RN	Audit Manager	audit

# Trauma Service



**Assoc. Prof. Daryl Wall AM**  
Director  
Trauma Service

## Overview

**About this service:** The staff of the Trauma Service (TS) provide continuous comprehensive care and communications for severely injured patients from around Queensland and northern New South Wales. These activities include the constant entry of verified patient data for the RBWH Trauma Registry. The Trauma Registry information provides daily service to the members of the Trauma Review Committee and the Trauma Advisory Committee both of which serve to support Quality and Safety of care. The information also serves to support researchers both within and without the TS. The Trauma Registry also serves to provide guidance professional development, safety of patient transfers, safety of women in pregnancy, development of training workshops, presentation of trauma advancement symposia and for improvement of trauma care in regional centres. TR information also guides the TS provision of prevention activities such as P.A.R.T.Y. (Prevent Alcohol and Risk-related Trauma in Youth) and consumer engagement duties such as preparing the patient trauma care passport and follow up planning.

**Highlights of 2014:** Trauma Services have provided 24 datasets for research and audit projects. Trauma Services contributed to two new clinical protocol algorithms; Haemodynamically Unstable Patients with Pelvic Injuries in consultation with other RBWH departments, and the State-wide Maternity and Neonatal Clinical Network in the development of the Trauma in Pregnancy Guidelines for Queensland. Clinicians from Trauma Service have presented at six courses for “Care of the Critically Ill Surgical Patient”, at five Grand Rounds and ten external conferences.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Associate Professor Daryl Wall</b>	AM ASM MBBS (Hons. First Class) FRACS	Director	trauma, HPB, simulation, research
<b>Dr Richard Bryant</b>	MBBS, FRACS	Consultant	trauma, HPB, database, computer logic
<b>Dr Frances Williamson</b>	FACEM	Consultant	emergency medicine, trauma
<b>Dr Daniel Bodnar</b>	FACEM	Consultant	
<b>Dr Sally Marshall</b>	MBBS	Registrar	emergency medicine, trauma
<b>Mrs Dale Dally-Watkins</b>	BN, GCEmNURS, GCHumServMan	Assistant Nursing Director	trauma, acute care, health management
<b>Mr Michael Handy</b>	BN, GCEmNURS. Masters of Nursing Science (Nurse Practitioner)	Nurse Practitioner	trauma
<b>Mrs Jodie Ross</b>	BN	Clinical Nurse Consultant	trauma
<b>Mrs Kristy Jackman</b>	BN, GCEmNURS	Clinical Nurse Consultant	trauma
<b>Mrs Alice Brandt</b>	BN, GCEmNURS	Clinical Nurse Consultant	trauma
<b>Ms Sarah Pearce</b>	BN, GCAdvNurs(AC)	Clinical Nurse Consultant	trauma
<b>Mrs Sangita Costello</b>	BN, Grad Cert Nursing Education, Grad Cert Public Health	Orthopaedic Trauma Case Coordinator	Trauma

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Wickramasuriya, L.	MSc Trauma Science, Queen Mary University, University of London (2013-2015)	The tyranny of distance: exploring contributory factors for delays in transfer and intervention in multi-trauma patients

# Department of Urology



**Dr Nigel Dungleison**  
Director  
Urology

## Overview

Research in the Department of Urology focusses largely on prostate cancer. It has been recently dominated by novel approaches to early detection and the randomised study of open and robotic prostatectomy. This important trial continued to progress satisfactorily through most of the year, albeit with a number of procedural delays due to multiple reasons.

The early detection research embraced a slight change in direction to include other approaches to improve further the good results obtained with mRNA profiling of ejaculate. Particular attention was directed to metabolic profiling with examination of multiple parameters concurrently through NMR spectroscopy of ejaculate and post-ejaculate urine via an active collaboration with Dr Horst Schirra at The University of Queensland's Centre for Advanced Imaging at St Lucia. The generous support of the RBWH Foundation is acknowledged for this work.

The close ongoing association of departmental members with demographic and psycho-oncological research with colleagues at Cancer Council Queensland and Griffith University continues to be evident in the research projects and publications included in this report.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Nigel Dungleison</b>	MB BS, FRACS	Director, Urology: Visiting Medical Officer	clinical trials
<b>Dr Renee Stirling</b>	BSc, PhD	Postdoctoral Research Officer	molecular biology
<b>Dr Nigel Bennett</b>	BSc, PhD	Postdoctoral Research Officer	data recording
<b>Clement Chow</b>	BSc	Research Assistant	molecular biology
<b>Robyn Medcraft</b>	RN	Research Coordinator	clinical Trials
<b>Maddie Fowler</b>		Research Assistant	clinical Trials
<b>Prof. Frank Gardiner</b>	MBBS, MD, FRCS, FRACS	University Medical Officer	tumour markers, clinical trials
<b>Prof. Martin Lavin</b>	BSc (Hons), PhD, FRAMI	University Academic Researcher	molecular biology
<b>Dr Troy Gianduzzo</b>	MBBS, MPhil, FRACS	Visiting Medical Officer	clinical trials
<b>Dr Geoff Coughlin</b>	MBBS, FRACS	Visiting Medical Officer	clinical trials
<b>Dr John Yaxley</b>	MBBS, FRACS	Visiting Medical Officer	clinical trials

## Supervised post-graduate research students

Name	Current studies	Research topic
Roberts, M.	MPhil	Early detection of prostate cancer
Gianduzzo, T.	MPhil	Laser robotic-assisted laparoscopic prostatectomy

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Gianduzzo, T., Gardiner, R.A., Samaratunga, M.L.T.H., Chabert C. Frydenberg, M., Gardiner, R.A	The feasibility of a 532 nm laser surgery for unclamped partial nephrectomy and prostate cancer	American Medical Systems Research	\$355,000 (2011-2016)

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## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Gardiner, R.A., Chambers, S.K., Dunlison, N., Yaxley, J., Occhipinto, S., Carter, R., Williams, S., Lavin, M.F.	A randomised trial of robotic and open prostatectomy: Integrated multidisciplinary studies to guide patient management	Cancer Council Queensland Strategic Research Partnership Grant	\$1.25 million (2009-2014)
Gianduzzo, T., Gardiner, R.A., Samaratunga, M.L.T.H., Chabert C	The feasibility of a 532 nm laser surgery for unclamped partial nephrectomy and radical prostatectomy	American Medical Systems Research	\$355,000 (2011-2016)

# Department of Vascular Surgery



**The Late Prof. Philip Walker**  
Director  
Vascular Surgery

## Overview

**About this service:** Professor Philip Walker and Dr Jason Jenkins are chief investigators in the NHMRC National Centre of Research Excellence to Improve Management of Peripheral Arterial Disease (<http://ncre-pad.registry.org.au/about-ncre-pad>) and through this centre have significant research collaborations with Professor Jon Golledge's group at The James Cook University Vascular Biology Unit, Dr Chris Askew at the University of the Sunshine Coast, Professor Rob Fitridge at the University of Adelaide, Professor Bronwyn Kingwell at the Baker IDI Heart and Diabetes Research Institute in Melbourne and Professor Malcolm West's group at TPCH. Principal areas of research interest are aortic disease and peripheral arterial disease (PAD).

**Highlights of 2014:** During 2014, under the supervision of Professor Philip Walker, in cooperation with The University of Queensland (UQ), RBWH and with the assistance of postgraduate research students, the Department of Vascular Surgery participated in a variety of research projects in the area of vascular disease. Research ranged from basic science investigation into the aetiology of aortic aneurysmal disease, through to studies of devices for the endoluminal management of aortic pathology and clinical trials assessing medical therapies for the management of abdominal aortic aneurysm (AAA).

**Benefits for clinical practice:** Research carried out by the Vascular Department has the potential to significantly improve the management of patients with PAD. At present there is no known medical therapy for the treatment of AAAs. The clinical trials underway within the department aim to identify an agent which may be used to slow down the growth of AAAs, with the long-term goal of reducing the numbers of patients required to undergo AAA repair. Research into novel endoluminal devices aims to identify a more clinically effective solution for endovascular repair of AAAs.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>The late Prof. Philip Walker</b>	MBBS, FRACS (Vasc)	Professor of Clinical Surgery and Head, Discipline of Surgery, UQ SOM and UQ CCR; Consultant Vascular Surgeon	Vascular surgery, aetiology and management of aortic aneurysmal disease, exercise physiology in peripheral arterial disease, vascular imaging, medical therapy for the vascular patient
<b>Dr Brad Stefanovic</b>	PhD, BSc Hon, BSc (Sport and Ex)	Research Officer, UQ SOM, Discipline of Surgery	Coordinator for NHMRC CRE for PAD projects: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Sophie Rowbotham</b>	PhD, BSc Hon, BSc (Pharmacology)	Research Assistant, UQ SOM, Discipline of Surgery	Associate Investigator for NHMRC CRE for PAD projects: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Sr. Gillian Jagger</b>	RN	Research Officer, UQ SOM, Discipline of Surgery	Queensland Coordinator for NHMRC trial Evaluating a decision-making model for EVAR
<b>Sr. Julie Jenkins</b>	RN	Clinical Nurse Consultant, Vascular Surgery	Coordinator of vascular surgery index case databases coordinator for ENGAGE: The Endurant Stent Graft Natural Selection Post-market Registry
<b>Dr Jason Jenkins</b>	MBBS, FRACS (Vasc)	Director of Vascular Surgery	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Allan Kruger</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Nicholas Boyne</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Danella Favot</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Simon Quinn</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
McRae, Prue.	MPhil. UQ (2011 – 2014)	Identifying interdisciplinary care needs in older surgical patients
Andrew Choong	PhD. UQ (2014-2020)	An investigation into the Endovascular Repair of Blunt Traumatic Thoracic Aortic Injuries
Vikram Iyer	MPhil. UQ (2014-2018)	Coding and non coding circulating RNAs associated with the presence and rapid expansion of abdominal aortic aneurysms

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Burton, Nicola W; Golledge, J.; Walker, Philip, J.; Jenkins, J*; Norman, P.; Fiatarone Singh, M.; Leicht, A. & Ademi, Z.	Assessment of the efficacy of a brief behaviour intervention designed to improve physical activity in patients with peripheral artery disease	NHMRC Project James Cook University,	\$144,382.99 (2014-2018)
Walker, Philip J.; Jenkins, J.; Golledge, J.; Ahimastos, A. & Muller, R.	Fenofibrate in the Management of Abdominal Aortic Aneurysm (FAME)	NHMRC Project, James Cook University	\$84,129.10 (2014-2015)
Walker, Philip J.; Jenkins, J*; Golledge, J.; Norman, P.; Ahimastos, A.; Dalman, R. & Fitridge, R.	Telmisartan in the Management of Abdominal Aortic Aneurysm	NHMRC Project ,James Cook University,	\$67,302.40 (2014-2015)
Walker, Philip J.; Jenkins, J.; Golledge, J.; Kingwell, B.; Norman, P.; Tonkin, A.; Fitridge, R.; Reid, C.; Hankey, G.; Fletcher, J. & Nelson, M.	C to Improve Management of Peripheral Arterial Disease	NHMRC CRE James Cook University, Project Grant	\$289,034.90 (2013-2015)

# Women's and Newborn Services



**Tami Photinos**  
A/Executive Director  
Women's and Newborn  
Services

## Overview

Women's and Newborn Services offer a wide and diverse range of healthcare services to women and their babies in Queensland. Our dedicated team delivers a high standard of quality care to assist achieving the best and most positive outcome for you and your family. We remain a leading force in health promotion whilst continuing to provide specialist care in Maternity, Neonatology, Gynaecology and Cancer Services.

2014 was another challenging year as the need for services across all departments grows increasingly complex and demanding. Despite this, we continue to maintain an active interest in research activities as well as the provision of multiple education programs for undergraduate and postgraduate health service professionals. To that end we maintain a strong connection with local universities including The University of Queensland, Queensland University of Technology, James Cook University and Central Queensland University and the Royal Australian and New Zealand College of Obstetrics and Gynaecology (RANZCOG).



**Trish Smith**  
Nursing Director  
Women's and Newborn  
Services

## Key departments

- » Betty Byrne Henderson Women's Health Research Centre
- » Grantley Stable Neonatal Unit
- » Department of Gynaecology
- » Department of Maternity Services
- » Perinatal Research Centre
- » Queensland Centre for Gynaecological Cancer

## Executive and directing staff

**Tami Photinos**  
Acting Executive Director, Women's and Newborn Services

**Trish Smith**  
Nursing Director, Women's and Newborn Services

**Prof. Soo-Keat Khoo**  
Director, Betty Byrne Henderson Women's Health Research Centre

**Dr Owen Ung**  
Director, Centre for Breast Health

**Dr David Cartwright**  
Director, Neonatology

**Dr David Baartz**  
Clinical Director, Gynaecology

**Assoc. Prof. Rebecca Kimble**  
Clinical Director, Obstetric Services

**Prof. Paul Colditz**  
Director, Perinatal Research Centre

**Assoc. Prof. James Nicklin**  
Clinical Director, Gynaecological Oncology



# Grantley Stable Neonatal Unit



**Dr David Cartwright**  
Director  
Neonatology

## Overview

**About this service:** The Grantley Stable Neonatal Unit (GSNU) at the Royal Brisbane and Women's Hospital is a 71 bed neonatal unit, one of four tertiary referral neonatal centres in Queensland, specialising in the management of premature and sick babies. Admissions come mainly from the area from Brisbane to Rockhampton, but some are also received from further south into northern New South Wales. A Retrieval Service run by the unit assists in bringing outborn babies to Brisbane, transporting approximately 180-200 babies per year. In 2014, the unit was staffed by 7 full-time neonatologists, 1 visiting medical officer neonatologist, 1 Nursing Director, 2 Nurse Unit Managers, 1 Nurse Manager, 2 Clinical Nurse consultants, 1.5 full-time Nurse Educators, approximately 175 nurses (100 full-time equivalents), of whom 100 hold neonatal certificates or Transition, 15 registrars, 2 senior house officers and 2 interns.

**Highlights of 2014:** A significant change for the GSNU in 2014 was the closure of the Royal Children's Hospital on the Herston Campus with relocation of children's services to the Lady Cilento Children's Hospital (LCCH) in South Brisbane on 29th November. This has meant that all subspecialty consultations to GSNU must come from LCCH, and neonatal surgical patients are primarily cared for in the Mater Mothers' Hospital (MMH), with the surgery being performed at the LCCH. In order for MMH to accommodate these extra surgical patients, there has been a redistribution of medical and premature babies to RBWH GSNU.

**Benefits for clinical practice:** The Unit plays an active role in the national data collection of the Australian and New Zealand Neonatal Network, and participates in a number of multi-centre randomised controlled trials, as well as utilising our extensive database of short-term and follow-up outcomes to research and report aspects of neonatal care. The HIPSTER trial underway in 2014 will give strength to the knowledge of which respiratory support, CPAP or HHHFNC is better for babies with acute respiratory distress. Co-operation with the Perinatal Research Centre in the clinical aspects of their research enhances their activities.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr David Cartwright</b>	MBBS, BSc, FRACP	Director, Neonatology; Associate Professor, UQ	general neonatology, neonatal follow up, perinatal data systems. Infection
<b>Dr Mark Davies</b>	MB BS DCH PhD FRACP	Staff Specialist in Neonatology	Neonatology
<b>Dr Tim Donovan</b>	MB,BS FRACP, MPH	Senior Medical Officer Neonatology, A/Prof University of Qld	Growth, body composition and neurocognitive outcome in preterm infants, Retcam Study, Predictors of Gastroschisis outcome
<b>Dr Pieter Koorts</b>	MBChB, FRACP	Deputy Director, Neonatology; Senior Staff Specialist; Senior Lecturer, UQ	milk banking, bedside echocardiography, nutrition
<b>Dr Garry Inglis</b>	MBBS, FRACP	Staff Specialist; Senior Lecturer, UQ	infection
<b>Dr Donna Bostock</b>	MBBS (Hons), BSc, FRACP	Staff Specialist; Senior Lecturer, UQ	neonatal simulation, general neonatology
<b>Dr Adam Hoellering</b>	MBBCh (Hons), BSc, FRACP	Staff Specialist; Senior Lecturer, UQ	general neonatology, haemodynamic support in the newborn, persistent patent ductus arteriosus, clinical applications of ultrasound in neonates
<b>Dr Margo Pritchard</b>	RN, RM, NNC, BA, PhD	Principal Clinical Trialist, Senior Lecturer, Medicine, Health and Life Sciences. Queen's University Belfast. UK	RCTs, high risk screening and surveillance

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Luke Jardine	PhD UQ (2014-2020)	Development of early predictors of long term neurodevelopmental outcome for preterm infants.
Donna Franklin	PhD UQ (2013-2017)	High Flow Nasal Cannula Therapy in Infants with Bronchiolitis
Nada Al-Theyab	PhD UQ (2012 -2016)	PremiGRACE Study : Preterm infant growth and body composition
Alex Kanon	BSc (Hons) UQ (2014-2015)	Nutritional Determinants of Brain Growth in Preterm Infants

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Donovan, T., Colditz, P., Rose, S., Lingwood, B.	Optimising brain development through rationally based nutritional interventions in preterm infants	RBWH Private Practice Trust Fund	\$59,933 (2013-2014)

# Department of Gynaecology



**Dr David Baartz**  
Clinical Director  
Gynaecology

## Overview

**About this service:** The Department of Gynaecology at RBWH continues to provide secondary, tertiary, and quaternary care in all disciplines of gynaecology including general gynaecology colposcopy, advanced laparoscopic surgery and endometriosis services, as well as acute and emergency care, prolapse and incontinence surgery.

A paediatric and adolescent gynaecology Statewide service is provided by Associate Professor Rebecca Kimble to patients from Queensland and northern New South Wales. This multi-disciplinary service is supported by specialists from the Royal Children's Hospital and Dr David Baartz, Clinical Director, Department of Gynaecology. Dr David Baartz is the Executive Officer of the Australasian International Society of the Study of Trophoblastic Diseases.

Reproductive endocrinology and infertility is a division of the Department of Gynaecology. A fertility service is provided and includes investigations, medication and counselling, but does not include IVF / Assisted Reproductive Technology.

**Highlights of 2014:** We are proud to share that Dr Vinay Rane, one of the obstetrics and gynaecology registrars in 2014 was awarded the prestigious Fulbright Scholarship where he will be undertaking clinical research in obstetric care for underprivileged communities in the USA.

**Benefits for clinical practice:** As an example of how our Department's clinical research activities support excellence in provision of patient care, the research project by Drs Keisuke Tanaka and Dr Baartz on Medical Treatment of Interstitial ectopic pregnancy has influenced practice in the management of this potential morbid condition on a state and national level.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Kar Hin Ooi</b>	MBBS, MRCOG, FRANZCOG		
<b>Assoc Professor Mark Erian</b>	LRCP, LRCS, LRCPS, DObstRCPI, MD (UQ), FRANZCOG, FRCOG, FACOG		
<b>Dr David Baartz</b>	MBBS, FRANZCOG		
<b>Dr Akram Khalil</b>	MBBS, DRACOG, FRANZCOG		
<b>Dr Bart Schmidt</b>	MBBS, FRANZCOG		
<b>Dr Wai Lum Yip</b>	MBBS, FRANZCOG		
<b>Associate Professor Anusch Yazdani</b>	MBS (Hons), FRANZCOG, CREI		
<b>Associate Professor Christopher Maher</b>	MBBS, FRANCOG		
<b>Dr Owen Ung</b>	FRACS		
<b>Dr Ben Kroon</b>	CREI		

## Supervised post-graduate research students

Name	Current studies	Research topic
Fulbright Scholarship		Vinay Rane
Young Gynaecologist of the Year	RANZCOG	Vinay Rane

# Department of Maternity Services



**Assoc. Prof. Rebecca Kimble**  
Clinical Director,  
Obstetric Services

## Overview

**About this service:** The Department of Maternity Services has continued to increase its activity and remains the largest provider of tertiary and quaternary obstetric care in Queensland with a referral base for tertiary transfers of care primarily from around Central Queensland. Northern New South Wales patients continue to be serviced through RBWH Maternity Services. The multidisciplinary services include:

- Birthing Services and Birthing Centre
- Antenatal Day Assessment Service
- Obstetric Review Centre
- Obstetric Medicine Services and Obstetric Telehealth Services
- Maternal Fetal Medicine and Centre for Advanced Prenatal Care
- Maternity Outpatients Service
- Endocrine Service
- Young Parents Program
- General Practitioner shared care program
- Team midwifery models in conjunction with obstetric care
- Extended Midwifery Services
- Inpatient Unit and Lactation Service.

Maternity Services collaborate closely with the Perinatal Research Centre and UQ CCR for ongoing multi-centre research projects. The Maternal Fetal Medicine unit provides a comprehensive and competitive environment for prospective and retrospective research and audits.

The Obstetric Medicine Unit is active in clinical and basic science research across all medical problems which occur throughout pregnancy. A number of PhD candidates are currently undertaking research in areas related to maternal medical conditions in pregnancy and the effects on pregnancy outcomes. The unit has been successful in numerous research grant / funds. Statewide Paediatric and Adolescent Gynaecology Service established by Associate Professor Rebecca Kimble; this is the only service in Queensland, and supports patients from northern New South Wales. This service provides super-specialty care to girls between the ages of eight years to mid-twenties with complex congenital surgical conditions, disorders of sexual development, disabled patients, menstrual abnormalities and many other gynaecological conditions. It has been awarded site-specific grants by Queensland Health commencing in 2011, recognising it as a super-specialty. The Commonwealth Department of Health and Aging (DoHA) has granted it a RANZCOG accredited funded Fellow's position commencing 2011 for six years, with a high likelihood for continuation indefinitely. The service collaborated closely with the new Lady Cilento Hospital.

**Highlights of 2014:** Multiple publications from the Statewide Paediatric and Adolescent Gynaecology Service under A/Prof Kimble's direction. Several new Statewide clinical guidelines published, including Trauma and the pregnant patient, Preterm Labour Management and care at the threshold of viability. Quarry award winner Non-Clinical Project: Induction of Labour-Benchmarking, R Kimble and Queensland Clinical Guidelines Team.

**Benefits for clinical practice:** Evidence based clinical guidelines provide decision support tools at the point of care for clinicians, with accompanying patient information to assist shared decision making as part our compliance with the national safety standards. Multiple research outputs in Paediatric and Adolescent Gynaecology contribute to the global literature on rare conditions to assist clinicians worldwide with management decisions.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Yogesh Chadha</b>	FRCOG, MSc, FRANZCOG	Staff Specialist, Obstetrics and Gynaecology and Senior Lecturer, UQ	perinatology, incontinence, medical audit, health services research
<b>Associate Professor Rebecca Kimble</b>	MBBS, FRANZCOG, GAICD, GradCert Training and Assessment (IPS), Certificate in Simulation Instruction (Harvard)	Clinical Director, Obstetric Services and State Paediatric and Adolescent Gynaecology Service, and Associate Professor, The University of Queensland (UQ) School of Medicine. Founder and Director, Queensland Clinical Guidelines Program since 2008, Chair, Statewide Maternity and Neonatal Clinical Network.	Clinical governance, maternity emergencies in a simulated environment, paediatric and adolescent gynaecology, clinical guidelines.
<b>Assoc Professor Mark Erian</b>	LRCPLRCS, LRCPS, DObstRCPI, MD (UQ), FRANZCOG, FRCOG, FACOG	Grad Cert Education (UQ), Staff Specialist, Obstetrics and Gynaecology	gynaecological operative endoscopy, surgical gynaecology, high-risk obstetrics, medico-legal consultation
<b>Dr Lee Minuzzo</b>	MBSS, FRANZCOG	Grad Cert Education, Staff Specialist, Obstetrics and Gynaecology	general obstetrics and gynaecology
<b>Dr Matt Smith</b>	MBSS, FRANZCOG, BSC	Staff Specialist, Obstetrics and Gynaecology	
<b>Dr.Renuka Sekar</b>	MBBS, DGO, FRANZCOG, CMFM	Acting Clinical Director MFM	Fetal growth restriction, preterm labour, Growth charts
<b>Prof. N. Fisk</b>	PhD, MBA, MBBS, FRANZCOG, CMFM, DDU, GAICD	Staff Specialist	Multiple pregnancies, monochromic placentation, fetal stem cells
<b>Prof. Leonie Callaway</b>	MBBS(Hons), FRACP, PHD, GCE Lead	Head RBWH Clinical School Staff Specialist General & Obstetric medicine	Obstetric medicine
<b>Dr Karin Lust</b>	MBBS, FRACP	Clinical Director of Obstetric Medicine & Staff Specialist General medicine	Obstetric medicine
<b>Dr Narelle Fagermo</b>	MBBS, FRACP	Staff Specialist General & Obstetric medicine	Obstetric medicine
<b>Dr Helen Barrett</b>	BSc( Hons) MBBS(Hons) FRACP	Staff Specialist Endocrinology & Obstetric medicine	Obstetric medicine
<b>Dr Marloes Dekker Nitert</b>	MSc, Med Lic, PhD, GCE (clinical trials)	Senior Research Fellow, Royal Brisbane Clinical School	
<b>Dr Greg Duncombe</b>	Staff MBBS, FRANZCOG, CMFM	Specialist, Maternal Fetal Medicine	maternal fetal medicine
<b>Dr Greg Duncombe</b>	Staff MBBS, FRANZCOG, CMFM	Specialist, Maternal Fetal Medicine	maternal fetal medicine

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Dr Tegan Draheim- K.Rimble	Year 1 RANZCOG (2014)	Seatbelt safety in pregnancy: the beliefs and knowledge of pregnant women: Platform poster presentation 2015 RACOG World Congress
Dr Danielle Robson- R Kimble	DRANZCOG Trainee (2014)	Hereditary angioedema: a case series: Poster presentation RACOG World Congress 2015
Dr Genevieve Molloy- R.Kimble	PhD (2014)	Cervical aplasia and limitations of MRI in diagnosis: Poster presentation NASPAG Conference 2015
Dr Monika Jha- R.Kimble	Year 1 RANZCOG (2014)	Quantitative Fetal fibronectin use in management of symptomatic women with Threatened Preterm labour at the RBWH: a clinical audit
Dr Ying He- R.Kimble	DRANZCOG (2014)	Bladder Extrophy and pregnancy: paper submitted 2015 to journal of Paediatric Urology

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Susan de Jersey	PhD QUT (2011-2014)	Are we missing opportunities: understanding health behaviours associated with overweight in pregnancy
Kerina Denny	PhD UQ (2010-2013)	Role of C5a in Fetal and Maternal Health
Helen Barrett	PhD UQ (2011-2014)	Maternal Lipids in Pregnancy
Lisa Harris	PhD UQ (2012-2014)	Pre-Eclampsia: Early identification of at-risk patients and clinical implications
Naomi Achong	PhD UQ (2012-2014)	Insulin requirements in the Peripartum period in type 1 diabetes mellitus
Luisa Gomez Arango	PhD UQ (2014-2017)	The gut microbiome in overweight and obese pregnancy
Kristine Matusiak	MPhil UQ (2012-2016)	Periconceptional weight loss and the HPA axis in neonates
Non-Clinical Project: Induction of Labour- Benchmarking	Quarrie Awards	R.Kimble, J.Lee, B.Knack, L.Gray- QCG

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Kimble, RM.	Queensland Clinical Guidelines Program	Queensland Health	\$3,500,000 (2014-2019)
Kimble, RM.	Commonwealth Government Specialist Training Program (STP) Paediatric and Adolescent Gynaecology	Australian Government Training	\$110,000 (2011-current)
Kimble, RM.	New specialist to sustain the State-wide Paediatric and Adolescent Gynaecology Service	Queensland Health, People support	\$380,000 (2012-recurrent)
Kimble, R.	Statewide PAG service	Commonwealth Government Training	\$20,000/ year (2014-2016)
Kimble, R.	NeoResus Education	Queensland Health Project	\$150,000/ year (2014-2017)
Kimble, R.	Perinatal Mental Health Project	Queensland Health Project	\$150,000/ year (2014-2017)
Duncombe, G. *, Salamon, C., Rice, G., Smith, M., Rosser, S., Jackson, E. Mitchell, M., Callaway, L.	Role and Regulation of placental-derived exosomes in the onset and development of Gestational Diabetes Mellitus (GDM)	RBWH Foundation	\$66,000 (2014)
Lust, K., Matusiak, K. , Callaway, LK., Dekker Nitert, M., Barrett, HL.	Periconception weight loss and the epigenetic regulation of stress and growth in the infant	RBWH Foundation Project	\$40,000 (2014)
Callaway, L., Dekker Nitert, M., Barrett, HL., Morrison, M.	How important is a mother's touch?	RBWH Foundation Project	\$40,000 (2014)
Czovek, D., Sly, P., Callaway, L., McIntyre, HD., Dekker Nitert, M.	Longitudinal effects of probiotic supplementation during pregnancy on the body composition and growth of infants	Queensland health Strategic Health Initiatives	\$78,000 (2014)
Thoms, LM., Sly, P., Callaway, L., Dekker Nitert, M., Barrett, H.	Study of environmental pollutants—transfer from mother to fetus	QCMR and QUT collaborative seeding grants scheme	\$25,000 (2014)

# Department of Perinatal Research Centre



**Professor Paul Colditz**  
Director  
Perinatal Research Centre

## Overview

**About this service:** The Perinatal Research Centre is committed to improving the health of mothers and babies through world class biomedical and clinical research. The multidisciplinary research team from medicine, science, nursing, psychology, epidemiology, physiotherapy, other allied health, signal processing and biomedical engineering backgrounds, aims to discover and translate research advances into improved clinical practice and better health outcomes for mothers and babies.

**Highlights of 2014:** Two new NHMRC grants were awarded in 2014. Professor Paul Colditz leads a team with a \$1.65 million grant over 5 years that represents a new collaboration with Monash University to predict neurodevelopmental disability in babies born very preterm, earlier and more accurately than currently possible, by identifying structural and functional brain connectivity features that correlate with clinical measures of motor and neurodevelopmental function. Dr Tracey Bjorkman leads a new NHMRC project to evaluate a novel therapy for neuroprotection in the brain injured baby. Furthermore, several multisite clinical trials of international importance are underway with Perinatal Research Centre researchers and nurses within RBWH and the Mater Hospital.

**Benefits for clinical practice:** One clinical trial underway is the NEST (neonatal electrographic seizure trial) trial which will establish the best way to manage seizures in newborn babies. The Prem Baby Triple P Parenting Study is now half way to completion. This research project, funded by NHMRC and led by

Prof Colditz, will determine whether this parenting intervention improves outcomes for preterm babies. Other ongoing clinical trials which utilise state-of-the-art methods and techniques include predicting motor outcomes in preterm babies using MRI, establishing the effects of massage in very preterm babies, optimising adaptation of the cardiovascular system to extrauterine life in the very preterm baby, and determining the effects of different feeding regimens on development in preterm babies. These studies will have major impacts on defining best practice in clinical care to ensure best outcomes for babies and their families.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Professor Paul Colditz</b>	MBBS, MBiomedE, DPhil (Oxford), FRACP FRCPCH	Director, Perinatal Research Centre (PRC), Deputy Director, UQCCR	Clinical neonatology, neuroscience, biomedical signal processing
<b>A/Prof Leonie Callaway</b>	MBBS (Hons), FRACP, PhD, GCE Lead	Head, Northern Academic Cluster, UQ, Staff Specialist General and Obstetric Medicine, PRC Senior Honorary Research Fellow	Obstetric Medicine, Obesity in pregnancy, Probiotics in pregnancy, Complement in pregnancy
<b>Prof David McIntyre</b>	MB BS FRACP	Director of Endocrinology and Obstetric Medicine, Mater Health Services, And Head of Mater Clinical School, UQ. PRC Senior Honorary Research Fellow	Medical disorders of pregnancy, regulation of fetal growth and intensive therapy of Type 1 diabetes
<b>Dr Barbara Lingwood</b>	MSc PhD	Senior Research Fellow	Cardiovascular function in the preterm infant
<b>Dr Tracey Bjorkman</b>	BSc MPhil PhD	Lions Medical Research Foundation Senior Research Fellow	Hypoxic-ischemic brain injury and seizures in the neonate
<b>Dr Susan Sullivan</b>	BSc (Hons) PhD	NHMRC Research Fellow	The role of astrocytes in perinatal hypoxia/ischemia
<b>Dr Yvonne Eiby</b>	BSc (Hons) PhD	NHMRC Research Officer	The cardiovascular system of preterm infants
<b>Dr Janet Hammill</b>	AM PhD MTH RN	Coordinator	Collaboration for Alcohol Related Developmental Disorders
<b>Dr Timothy Donovan</b>	MB, BS, MPH, FRACP (Paed) Neonatal Paediatrician, RBWH, Associate Professor UQ	Neonatologist RBWH, PRC Senior Honorary Research Fellow	Improving outcomes for preterm infants particularly in the area of nutrition, growth/ body composition and development. Ongoing research in the use of telemedicine to provide outreach care of sick infants in regional hospitals. Epidemiology of gastroschisis
<b>Dr Helen Barrett</b>	MBBS PhD	Research Fellow	Complications of pregnancy
<b>Dr Marloes Dekker</b>	MSc PhD	Senior Research Fellow	Metabolism and epigenetics in complications of pregnancy
<b>Professor Boualem Boashash</b>	BE/B. Sc., M.Sc., Dr. Ing. (Ph.D.)	Prof, College of Engineering, Qatar University. Signal Processing Group Leader, PRC.	Time-frequency signal analysis, biomedical signal processing, spectral estimation, signal detection and classification

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>A/Prof Stephen Rose</b>	BSc PhD	Principal Research Fellow	Development and application of advanced MRI techniques to aid the detection and monitoring of disease processes
<b>A/Prof Nigel Barnett</b>	MSc DPhil (Oxon)	PRC Senior Honorary Research Fellow	The effects of hypoxia/ischaemia in visual development and disease
<b>Dr Simon Finnigan</b>	PhD	Senior Research Fellow	Brain monitoring techniques to improve outcomes for critically ill patients (e.g., extremely premature babies; stroke patients)
<b>A/Prof Glenda Gobe</b>	PhD	Honorary Senior Research Fellow	Effects of hypoxia ischaemia on organs including brain
<b>Prof Eugene Lumbers</b>	MBBS, MD, DSc	Emeritus Scientia Professor, UNSW. Conjoint Professor Uni of Newcastle. Honorary PRC Senior Research Fellow	Fetal origins of adult diseases, hypertension, development of control of the circulation, exercise and training, and renal development and function
<b>Prof Christine East</b>	RN, RM, DAppSc, BAppSc, MMSc, Grad Cert Health stud, PhD	PRC Senior Honorary Research Fellow	Prof Midwifery, Monash University. Fetal monitoring
<b>A/Prof Vicki Flenady</b>	MMed Sc (Clin Epid)	PRC Senior Honorary Research Fellow	Perinatal researcher at the Centre for Clinical Studies
<b>Dr Michael Colditz</b>	MBBS, MPhil	PRC Honorary Research Fellow	Clinical neuroscience
<b>Dr Margo Pritchard</b>	RN EM ANNC BA PhD	Principal Trialist. Perinatal Research Centre and RBWH; Honorary Research Consultant School of Nursing and Midwifery and School of Medicine. Senior Lecturer, Queen's University Belfast, UK	Child health surveillance and intervention
<b>Dr David Gunn</b>	MBBS, PhD	PRC Honorary Research Fellow	
<b>Dr Aven Lee</b>	BSc (Hons), PhD	NHMRC Research Officer	Molecular biology and protein biology of the brain
<b>Dr Shiying Dong</b>	PhD	Research Associate	Signal processing: applications to the analysis and detection of perinatal asphyxia
<b>Dr Julie Wixey</b>	BSc (Hons), PhD	Research Officer	Hypoxic-ischemic brain injury and inflammation in the neonatal brain
<b>Dr Melissa Lai</b>	MBBS, BPharm	Principal House Officer, PhD student	EEG in preterm babies
<b>Dr Leanne Winter</b>	PhD BPsycSc (Hons) BBus	Project co-ordinator	Prem Baby Triple P
<b>Ms Donna Hovey</b>	RN NNC BN (Hons)	Research Nurse	Clinical Trials
<b>Ms Lisa McKeowen</b>	RN, BSc	Research Nurse	Clinical Trials Group
<b>Ms Stephanie Miller</b>	BSc (Hons)	Research Assistant	Hypoxic-ischemic brain injury and seizures in the neonate
<b>Ms Karen Taylor</b>	RN, Endorsed Midwife, Neonatal Intensive Care	Research Nurse	Clinical Trials Group supporting: Enhanced parenting to improve developmental outcomes in preterm infants
<b>Ms Anja Frew</b>	RN	Research Nurse	Clinical Trials
<b>Ms Kellie McGrory</b>	RN	Research Nurse	Clinical Trials
<b>Ms Keren Elfverson</b>	RN	Research Nurse	Clinical Trials

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Henry Tsao	MPhil UQ (Awarded 2014)	Unravelling the organisation and microstructure of sensorimotor brain networks in children with congenital hemiparesis
Norman Ma	MPhil, UQ (2011-2015)	Brain injury severity in a neonatal model of hypoxic ischemia following potential neuroprotective interventions
Ms Kristine Matusiak	MPhil, UQ (2012-2015)	Periconceptional weight loss: what are the effects on the HPA axis in the infant?
Ms Carla Odenthal	MPhil, UQ (2013-2015)	Can MRI at 3 and 5 years after first demyelinating event detect reduction in brain volume in patients who progress to clinically definite MS compared to those who do not?
Dr Shiying Dong	PhD, UQ (Awarded 2014)	Time-frequency characterization of heart rate variability signals: applications to the analysis and detection of perinatal asphyxia
Dr Kerstin Pannek	PhD, UQ (Awarded 2014)	Diffusion MRI of the preterm infant brain
Dr Hanna Reinebrant	PhD, UQ (Awarded 2014)	The brainstem serotonergic system following neonatal hypoxic-ischemic injury
Shehza Moonshi	PhD, UQ (2014-2017)	Innovative approaches to tracking of stem cells in models of glioma
Ms Ann Peacock	PhD, UQ (2011-2015)	Walking for exercise to prevent diabetes for you (Wendy) project
Nurzalin Zalbahar	PhD, UQ (2012-2015)	Maternal haemoglobin status and long-term child health status
Ms Stephanie Miller	PhD, UQ (2008-2015)	Examining the maturation of the GABA system in the neonatal brain and its role in hypoxic-ischaemic brain injury
Ms Naomi Achong	PhD, UQ, (2011-2015)	Insulin requirements in pregnant women with type 1 diabetes mellitus during late pregnancy and the peripartum period
Ms Maryam Odabae	PhD, UQ, (2011-2015)	Non-stationary signal processing methods for newborn seizure prediction
Ms Sonia Sam	PhD, UQ, (2011-2015)	Cardiovascular factors associated with poor outcome in preterm infants
Mr David Small	PhD, UQ, (2011-2015)	Molecular biomarkers for chronic kidney disease: identification of potential mediators of oxidative damage and targets for novel treatments
Ms Rebecca Caesar	PhD, UQ, (2012-2015)	Early predictors for neurodevelopmental outcome and prioritisation of service delivery for at risk premature infants
Ms Nada Al-Theyab	PhD, UQ, (2012-2015)	Preterm infant body composition
Mr Siamak Layeghy	PhD, UQ, (2012-2015)	Fetal movement detection and classification
Mr Lucas McLindon	PhD, UQ, (2012-2015)	Luteal phase progesterone supplantation for the subfertile population and in early pregnancy for threatened miscarriages
Ishani Sahama	PhD, UQ, (2012-2015)	Investigating connectivity and neuroinflammation within corticomotor networks in ataxia-teleangiectasia: Improving our understanding of the clinical phenotype
Mr Simon Scheck	PhD, UQ, (2012-2015)	Motor, sensory, visual and executive function brain networks in children with unilateral cerebral palsy
Ms Emma Schleiger	PhD, UQ, (2012-2015)	Ameliorating functional deficits in neurological conditions via monitoring and targeting brain electrophysiological signals
Ms Nabeel Sheikh	PhD, UQ, (2012-2015)	Role of quantitative EEG in diagnosis, prognostication and management of acute stroke
MD Abdul Awal	PhD, UQ, (2013-2016)	Classification and localization of neonatal EEG abnormalities using time-frequency image processing based neural network and support vector machine
Ms Tracey Allen	PhD, UQ, (2013-2016)	How does a failing kidney kill the heart?
Ms Natalie McKirdy	PhD, UQ, (2013-2016)	An investigation of retinal cells and their micro-environment: exploring the design of neuroprotective agents and biomaterials for their transplantation
Keng Ng	PhD, UQ, (2013-2016)	Better molecular signatures for renal oncocytomas versus chromophobe renal cell carcinoma.

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Alex Pagnozzi	PhD, UQ, (2013-2016)	Automatic construction of normal and abnormal tissue models from mined datasets for delineation of abnormalities
Lee Reid	PhD, UQ, (2013-2016)	Measuring neuroplasticity in children with acquired brain injury using diffusion and functional MRI
Hafiz Suleria	PhD, UQ, (2013-2016)	Bioactives from seafood and other processing waste streams
Mr Michael Beckman	PhD, UQ, (2014-2017)	Methods of induction of labour
Dr Helen Barrett	PhD, UQ, (Awarded 2014)	Maternal lipids and placental lipases in complicated pregnancy
Mr Amir Omidvarni	PhD, UQ, (Awarded 2014)	Newborn EEG connectivity analysis using time-frequency signal processing techniques
Ms Doreen Awabdy	PhD, UQ, (2002-2015)	Neuroprotection and neuroreceptor ontogeny in the developing brain

## Awards and achievements

Award	Event	Recipient
Life membership	SIDS&Kids Qld	Colditz, P.
RBWH Postgraduate Research Scholarship	RBWH Foundation Research Advisory Committee	Lai, M.
Outstanding Young Investigator	UQCCR Shimadzu Awards Seminar	Sullivan, S.
Shimadzu Research Excellence Award	UQCCR Shimadzu Awards Seminar	Lingwood, B.
Distinguished Visiting Professor	Lawrence S Bloomberg Facility of Nursing	Pritchard, M.

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Callaway, Leonie K; McIntyre, David; Dekker, Marloes; Tobin, J.; Wilkinson, Shelley; O'rourke, Peter K & Mcsweeney, C.	A randomized controlled trial of probiotics to prevent gestational diabetes	NHMRC, Project	\$828,718.5 (2012-2014)
Britten, Fiona; Duncan, Emma L; Callaway, Leonie K & Brodribb, Wendy E	Breastfeeding in mothers with Type 2 Diabetes: Breastfeeding rates, maternal benefits and factors affecting success	RBWH	\$27,500 (2014)
Fay, Michael; Rose, Stephen E; Martin, Jennifer & Boyd, Andrew W	The effect of valproate in the treatment of high grade glioma: validation of pathology and imaging biomarkers	Queensland Health	\$42,000 (2013-2014)
Gobe, Glenda C	The Gastrointestinal Microbiota and Insulin Resistance: the effect of a Synbiotic (Multi-strain Probiotic and Prebiotic) preparation on Inflammatory Biomarkers in Obese Adults	Health World Limited	\$18,080 (2014)
Brooks, H. & Gobe, Glenda C	UQ Travel Award - Category 1 Assoc Prof Heddwen Brooks	UQ Travel Awards for International Collaborative Research (Category 1)	\$2,180 (2014)
Barrett, Helen L G; Dekker, Marloes; Richard, K. & Callaway, Leonie K	Metabolic toxins and placental functions	RBWH	\$49,775 (2014)

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Li, Li; Hudson, M'liss; Morais, Christudas & Gobe, Glenda C	Understanding the role of lymph node stromal microenvironment in renal cell carcinoma progression	UQ-Ochsner Seed Fund for Collaborative Research - DVCR funds	\$22,200 (2014)
Gandhi, Maher; Soyer, Hans P; Prow, Tarl; Barbour, Andrew P; Gobe, Glenda C; Powell, Elizabeth; Ho, Ken; Stowasser, Michael; Martin, Jennifer & Le Cao, Kim-Anh	High throughput gene expression of patient samples via the Nanostring nCounter system	UQ Major Equipment and Infrastructure	\$169,533 (2014)
Martin, Jennifer; Rose, Stephen E; Fay, M.; Thomas, P.; Head, R.; Cosgrove, L. & Dowson, N.	Targeting existing therapies with innovative technology platforms to improve survival in brain cancer	Cancer Council Queensland	\$220,000 (2014-2015)
Boyd, Roslyn N; Colditz, Paul B; George, Joanne M & Rose, S.	Prediction of Preterm Early Motor and neurodevelopmental Outcomes using advanced brain imaging and an early assessment toolbox	Cerebral Palsy Alliance	\$148,500 (2014-2015)
Callaway, Leonie K; Murphy, V.; Gibson, P.; Hensley, M.; Mattes, J.; Giles, W.; Peek, M.; Bisits, A.; Mccaffery, K. & Barrett, Helen L G	The Breathing for Life Trial (NHMRC Project Grant administered by the University of Newcastle)	University of Newcastle	\$47,840.06 (2014)
Boyd, Roslyn N; Colditz, Paul B & George, Joanne M	PPREMO: Prediction of Preterm Early Motor and neurodevelopmental Outcomes	Financial Markets Foundation for Children	\$151,784 (2014-2016)
Bjorkman, Tracey	Lions Senior Medical Research Fellowship: Seizures and injury in the newborn hypoxic-ischemic brain	Senior Medical Research Fellowship	\$440,000 (2011-2015)
Lingwood, Barbara E; Wright, I.; Lumbers, E. & Colditz, Paul B	An integrated approach to inotropic support in preterm neonates	NHMRC, Project	\$670,920 (2012-2015)
Rose, Stephen E; Boyd, A.; Whittaker, Andrew K; Thomas, P.; Fay, M. & Fisk, Nicholas M	The development of innovative Multiplexed Molecular Imaging technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC, Project	\$389,925 (2012-2014)
Colditz, Paul B; Sanders, Matthew R; Boyd, Roslyn N; Pritchard, Margo A; Gray, Peter H; O'callaghan, Michael; Slaughter, Virginia & Whittingham, Koa L	A randomised controlled trial of enhanced parenting capacity to improve developmental outcomes in preterm infants	NHMRC, Project	\$996,335.25 (2012-2016)
Rose, Stephen E	Establishment of the Brain Cancer Discovery Collaborative	Monash University	\$12,0000 (2014)
Mitchell, Murray; Rose, Stephen E; Crozier, Stuart; Whittaker, Andrew K; Langton, C.; Salvado, Olivier; Obermair, Andreas; Farah, Camile S; Coulthard, Alan; Gardiner, Robert A; Lakhani, Sunil; Kenny, L.; Macfarlane, D. & Others	ACRF Molecular Oncology Translational Imaging Facility (MOTIF)	Australian Cancer Research Foundation	\$2,200,000.00 (2014)
Duncombe, Gregory J & Eiby, Yvonne A	Improving treatment for preterm cardiovascular compromise	RBWH	\$69,778.50 (2014)
Eiby, Yvonne A	The role of calcium in preterm heart function	UQ Early Career Researcher	\$35,000.00 (2014)
Colditz, Paul B; Sanders, Matthew R; Boyd, Roslyn N; Pritchard, Margo A; Gray, Peter H; O'callaghan, Michael; Slaughter, Virginia & Whittingham, Koa L	Prem Baby Triple P: A RCT of Enhanced Parenting to Improve Developmental Outcomes in Preterm Infants	RBWH	\$45,870.00 (2014)

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Pritchard, Margo A	The Praecox Program: Pilot Study of an Online Educational Program to Improve Neonatal Palliative Care Practice	RBWH	\$30,822 (2014)
Pritchard, Margo A; Cartwright, D.; Roberts, C. & Manley, B.	High Flow Nasal Cannulae as Primary Support in the Treatment of Early Respiratory Disease	RBWH	\$44,159 (2014)
Donovan, Timothy J; Lingwood, Barbara E & Colditz, Paul B	Optimising brain development through rationally based nutritional interventions in preterm infants	RBWH	\$65,926 (2014)
Pelekanos, Rebecca A; Fisk, Nicholas M; Cahill, Zoe J; Colditz, Paul B; Boyd, Roslyn N & Rose, Paul	Stem cell therapy and neurostimulation repair of white matter injury to prevent cerebral palsy	Cerebral Palsy Alliance	\$159,500.00 (2014-2015)
Colditz, Paul B & Boashash, B.	Automated Neonatal EEG Quality Assessment and Improvement using Artefact Filtering and Signal Segmentation	Qatar University	\$186,724 (2014-2015)
Colditz, Paul B & Boashash, B.	Localisation Of EEG Abnormalities For Improving Brain Monitoring Of Newborn Babies At Risk Of Brain Injury Using A Multi-Channel Time-Frequency Signal Processing Approach	Qatar University	\$356,676 (2014-2016)
Coombes, Jeff S; Brown, Wendy J; Trost, Stewart G; Macdonald, Graeme A; Isbel, Nicole M; Skinner, Tina; Wright, Olivia R L; Leveritt, Michael D; Launikonis, Bradley S; Gobe, Glenda C; Peake, Jonathan; Ward, Leigh C; Fassett, Robert & Others	Cellular metabolic respirometry and enzymatic assessment suite	UQ Major Equipment and Infrastructure	\$120,202 (2014)
Rose, Stephen E; Boyd, A.; Whittaker, Andrew K; Thomas, P.; Fay, M. & Fisk, Nicholas M	The development of innovative Multiplexed Molecular Imaging technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC, Project	\$389,925 (2012-2014)
Whittaker, Andrew K; Rose, Stephen E & Peng, Hui	MRI Molecular Imaging Agents - From Fundamental Design to In Vivo Applications	ARC Discovery Projects, Project	\$859,230 (2011-2015)
Flenady, Vicki; Gardener, Glenn J; Ellwood, D.; Charles, A.; Coory, M.; Gordon, L.; Mahomed, K.; Khong, T.; Gordon, A. & Kent, A.	Investigating causes of stillbirths	NHMRC, Project	\$244,643 (2013-2014)
Flenady, Vicki; Gardener, Glenn J; Middleton, P.; Coory, M.; Ellwood, D.; Crowther, C.; East, C.; Callander, E.; Norman, J. & Boyle, Fran	My Baby's Movements: A stepped wedged cluster randomised trial of maternal awareness and reporting of decreased fetal movements to reduce stillbirth	NHMRC, Project	\$1,364,273 (2014-2018)
Sullivan, S.	Protecting newborn brain cells with erythropoietin	UQ M+BS Emerging Leaders Medical Research Grant	\$10,000 (2014)
Lingwood, B., Donovan, T.	Human Milk Analyser	RBWH Auxiliary	\$27,000 (2014)
Kildea, S., King, S., Austin, M., Brunet, A., Hurion, E., Laplante, D., Mcdermott, B., McIntyre, D., Schmitz, N., Stapleton, H., Vaillancourt, C., Dawson, P., Harris, M.	The effects of the Queensland floods on pregnant women, their pregnancies and their children's early development	Douglas Hospital Research Centre	\$267,966 (2014-2015)

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## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Duncombe, G.; Eiby, Y.	Improving the efficacy of current inotropic treatments for preterm cardiovascular compromise using a porcine model.	RBWH	\$69,778 (2014)
Pow, D.; Lee, A., Poronnik, P., Balcar, V.	The Transportome: a coordinate complex regulating brain excitation and inhibition	NHMRC, Project	\$592,000 (2013-2015)

# Queensland Centre for Gynaecological Cancer



**Assoc. Prof. James Nicklin**  
Clinical Director  
Gynaecological Oncology

## Overview

**About this service:** The Queensland Centre for Gynaecological Cancer (QCGC) is a state-wide service for the management of women with gynaecological cancer. QCGC Research is the research branch of QCGC. The Director of QCGC Research is Professor Andreas Obermair who leads and develops the unit to produce meaningful research outcomes.

QCGC Research's mission is to research and develop the best standard of care for women experiencing gynaecological cancer. This may include finding causes for and preventing gynaecological cancer; and finding better treatment options to cure women affected by gynaecological cancer.

QCGC Research's focus is on conducting surgical clinical trials in the field of gynaecological cancer but we also perform groundbreaking work outside the conventional clinical trials framework.

Our research is funded partly by competitive research grants (NHMRC project grants, smart state research grants, Cancer Australia), by support from individual and corporate donors as well as from fundraising events.

**Highlights of 2014:** Research has focused on the conservative treatment of endometrial cancer. The feMMe trial allows a large number of women to have effective treatment of their endometrial cancer without the need for major surgery and its implications.

**Benefits for clinical practice:** Our research activities help improve patient outcomes by researching the most effective treatments for women with gynaecological cancers.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Assoc Prof James Nicklin</b>	MBBS, FRANZCOG, CGO	Clinical Director, Gynaecological Oncology	gynaecological oncology
<b>Prof Andreas Obermair</b>	MD, FRANZGOG, CGO	Director of Research	gynaecological oncology
<b>Dr Russell Land</b>	MBBS, FRANZCOG, Grad Dip (Palliative Care), CGO	Visiting Medical Officer	gynaecological oncology
<b>Dr Andrea Garrett</b>	MBBS, MSc, FRANZCOG, Dip Pall Care	Visiting Medical Officer, Assistant Director Gestational Trophoblastic Centre	gynaecological oncology, gestational trophoblastic disease
<b>Dr Joanna Arnold</b>	MBBS, MRANZCOG, FRANZCOG, DRH	Advanced Trainee in Gynaecological Oncology	gynaecological oncology
<b>Dr Adam Pendlebury</b>	Med BSc Surgery, BMed Sci, MRANZCOG	Advanced Trainee in Gynaecological Oncology	gynaecological oncology
<b>Dr Nisha Jagasia</b>	B Med BSc Surgery, MRANZCOG	Advanced Trainee in Gynaecological Oncology	gynaecological oncology
<b>Judith Eddy</b>	RN, RM	Gynaecological Oncology Case Manager	oncology nurse specialist
<b>Shona Morrison</b>	BNurs, RN	Gynaecological Oncology Clinical Nurse	gynaecological oncology, gestational trophoblastic disease
<b>Karen Sanday</b>	BSc, HIM	Gynaecological Oncology Data Manager	gynaecological oncology
<b>Trudi Cattley</b>	BAppSc, GradCert (Clinical Trial Management)	Clinical Research Manager	clinical trials
<b>Fiona Menzies</b>	BSc, Dip Pharmacy Technician	Clinical Trial Manager	clinical trials
<b>Vanessa Behan</b>	BNurs	Clinical Trial Manager	clinical trials
<b>Sara Scalzo</b>	BHIM	Clinical Trial Manager	Clinical trials
<b>Kerry Millgate</b>	BNurs, Grad Dip (Respiratory Sc)	Clinical Trial Coordinator	clinical trials
<b>Anne Hughes</b>	BSc	Clinical Trial Monitor	clinical trials

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
<b>Obermair, A.*</b> , Janda, M., Hawkes, A., Chen, C., Armes, J.	A phase II randomised clinical trial of Mirena ± metformin ± weight loss intervention in patients with early stage cancer of the endometrium	Cancer Australia Project	\$556,800 (2013-2015)
<b>Obermair, A.*</b>	Clinical Trial Data Management	Cancer Council Queensland Data Management	\$88,971 (2014)
<b>Land, R.*</b>	Validation of a nomogram to predict isolated loco-regional or distant recurrence among women with uterine cancer	RBWH Foundation Diamond Care	\$50,000 (2014)
<b>Obermair*</b> , Quinn, Brennan, Armes, Janda, Gebiski	A phase II randomised clinical trial of Mirena ± metformin ± weight loss intervention in patients with early stage cancer of the endometrium	RBWH Foundation Diamond Care	\$100,000 (2014)
<b>Obermair, A.*</b>	Prophylactic Surgery and Breast Cancer	RBWH Foundation Project	\$60,000 (2014)
<b>Obermair, A.*</b>	Barriers of the uptake of laparoscopic hysterectomy	Australian Centre for Health Services Innovation Stimulus Grant	\$58,000 (2014)

# Centre for the Advancement of Clinical Research



**Prof. Lawrie Powell AC**  
Director  
Research

## Overview

The Centre for the Advancement of Clinical Research promotes innovative clinical research within RBWH. The Centre supports current and future researchers participating in research programs and fosters strong links with partner organisations including RBWH Foundation, UQ, QIMR, QUT and Griffith University. The Centre is complementary to, and liaises closely with the RBWH Foundation whose key role is to raise funds for research and manage any grants placed through the Foundation. The Centre assists researchers in the preparation of applications for funding and ethical approval of research. Applications for research funding are facilitated by administrative staff familiar with the relevant legal, ethical, regulatory, scientific and financial requirements for research activity within the complex.

RBWH separates the functions of Research Governance and Ethics, which is undertaken by the RBWH Human Research Ethics Committee (HREC). Research governance is the framework by which the institution oversees and administers research to ensure that it complies with relevant legislation and meets appropriate standards of quality, safety, privacy, risk and financial management. These activities are increasing significantly as the research activities on campus expand in number and complexity.

During 2014 the centre provided six training sessions on the fundamentals of clinical research via the Introduction to Research Principles for Healthcare Professionals course. This training program covered research methodology, intellectual property, legal issues in research, considerations for research ethics, statistical considerations for research planning, online research resources grant writing and research integrity.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof. Lawrie Powell AC</b>	MD, PhD, DUniv (Griff), FRACP, FRCP (Lond), FRCPT	Director, Research	liver disease, haemochromatosis, research and research governance
<b>Jacqueline Robinson</b>	RN, BAA, LLM	Research Governance Officer	research ethics and research governance
<b>Anitha Dinesh</b>	MBA (Finance), PGDBF(Banking and Finance)	Assistant Research Support Officer/ Assistant Business Manager Research	financial management
<b>Estelle Ellis</b>		Executive Assistant	
<b>Mimy Andree</b>	Dip. Business Management	Administration Officer (from June 2013)	research governance administration

## Research Advisory Committee

Following the recommendations of the Ryan Review in 2004, a Research Advisory Committee was established to advise the hospital on matters of research and research funding and also to advise the RBWH Foundation on the allocation of grants. The composition of the Research Advisory Committee for 2013 was as follows:

- Assoc. Prof. Gerard Byrne BSc (Med), MBBS (Hons), PhD (Chair) FRANZCP. Head, Academic Discipline of Psychiatry, UQ and Director, Older Persons' Mental Health Service, MNHHS
- Prof. Lawrie Powell AC, MD, PhD, DUniv (Griff), FRACP, FRCP (London), FRCPT. Director, Research, RBWH
- Prof. Ron Dickinson BSc Hons, PhD. Prof.ial Research Fellow and Director, Centre for Studies in Drug Disposition, UQ
- Prof. Murray Mitchell DPhil, DSc, FRSNZ. Director, UQ-CCR
- Dr Jacobus Ungerer MBChB, MMed (Chem Path), MBL, FRCPA. Acting Director, Chemical Pathology, Pathology Queensland
- Dr Ian Wilkey MBBS, BSc, LLB, FRCPA, FAFPHM. Chair, QIMR Ethics Committee
- Dr Peter Roeser MD, FRACP, FRCPA. Retired Physician, UQ Department of Medicine
- Prof. Robert Tindle PhD. Prof. Emeritus, UQ and Former Director, Sir Albert Sakzewski Virus Research Centre, RCH and Clinical Medical Virology Centre, UQ
- Assoc. Prof. Roger Allison MBBS, DObst, MRCP, FRCR, FRACR, FACHPM. Executive Director, Cancer Care Services, RBWH
- Prof. Grant Ramm, BSc, PhD, Group Leader, Hepatic Fibrosis Laboratory, QIMR Berghofer

- Prof. Joan Webster, RN, BA, Nursing Director, Research, RBWH
- Prof. Claire Rickard, PhD, NHMRC Centre of Research Excellence in Nursing Interventions, Griffith University
- Prof Jenny Strong PhD, MOccThy, BOccThy, Professor of Occupational Therapy, School of Health and Rehabilitation Sciences, The University of Queensland

## Research grants

Investigators <small>*RBWH staff; bold, this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Delatycki, M.	Venesection or expectant management for moderate iron overload in HFE related hereditary haemochromatosis	NHMRC Project	\$820,000 (2012-2014)
McLaren, C.	Genetic modifiers of iron status in hemochromatosis HFE C282Y homozygotes	NIH USA	\$2,300,000 (2013-2015)

# Publications by Departments within Services

## Nutrition and Dietetics Research Articles

1. Brown T, Banks M, Hughes B, Kenny L, Lin C, Bauer J. Protocol for a randomized controlled trial of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer. *BMC nursing*. 2014;13(1):17.
2. Brown T, Ross L, Jones L, Hughes B, Banks M. Nutrition outcomes following implementation of validated swallowing and nutrition guidelines for patients with head and neck cancer. *Supportive Care in Cancer*. 2014;22(9):2381-91.
3. Dekker Nitert M, Barrett H.L.; de Jersey S.J.; Matusiak K.; McIntyre H.D.; and Callaway, L.K. Preconception care and barriers to addressing overweight and obesity: a focus on weight loss advice and weight loss strategies. In: C.J. Hollins-Martin OBAvdA, C.R. Martin, V.R. Preedy, editor. *Handbook of diet and nutrition in the menstrual cycle, periconception and fertility*. Netherlands: Wageningen Academic Publishers; 2014.
4. Hanna K, Fassett R, Gill E, Healy H, Kimlin M, Ross L, et al. Serum 25 hydroxy vitamin D concentrations are more deficient/insufficient in peritoneal dialysis than haemodialysis patients in a sunny climate. *Journal of Human Nutrition and Dietetics*. 2014.
5. Kurmis R, Nicolls C, Forbes S, Young V, Wood K. Nutritional Management. In: Edgar Dale, editor. *Burn Trauma Rehabilitation: Allied Health Practice Guidelines*. Philadelphia: Lippincott Williams & Wilkins; 2014.
6. Mallan KM, Daniels LA, de Jersey SJ. Confirmatory factor analysis of the Baby Eating Behaviour Questionnaire and associations with infant weight, gender and feeding mode in an Australian sample. *Appetite*. 2014;82:43-9.
7. Mason B, Ross L, Gill E, Healy H, Juffs P, Kark A. Development and validation of a dietary screening tool for high sodium consumption in Australian renal patients. *Journal of Renal Nutrition*. 2014;24(2):123-34. e3.
8. Osland E. An investigation into the Professional Quality of Life of dietitians working in acute care caseloads: are we doing enough to look after our own? *Journal of Human Nutrition and Dietetics*. 2014.
9. Osland E, Hossain MB, Khan S, Memon MA. Effect of Timing of Pharmaconutrition (Immunonutrition) Administration on Outcomes of Elective Surgery for Gastrointestinal Malignancies A Systematic Review and Meta-Analysis. *Journal of Parenteral and Enteral Nutrition*. 2014;38(1):0148607112474825.
10. Osland EJ, Ali A, Isenring E, Ball P, Davis M, Gillanders L. Australasian Society for Parenteral and Enteral Nutrition guidelines for supplementation of trace elements during parenteral nutrition. *Asia Pacific Journal of clinical nutrition*. 2014;23(4):545.
11. Roberts S, Chaboyer W, Leveritt M, Banks M, Desbrow B. Nutritional intakes of patients at risk of pressure ulcers in the clinical setting. *Nutrition*. 2014;30(7):841-6.
12. Ross L. From the Deputy Editor. *Nutrition & Dietetics*. 2014;71(4):215-.
13. Webster J, Osborne SR, Gill R, Chow CFK, Wallin S, Jones L, et al. Does Preoperative Oral Carbohydrate Reduce Hospital Stay? A Randomized Trial. *AORN journal*. 2014;99(2):233-42.

## Nutrition and Dietetics Published Abstracts

1. Young A, Appleton, L.; Rogers, L.; Mudge, A.; Ross, L.; Isenring, E.; Banks M. Thinking outside the box: changing the focus of hospital dietitians. Dietitian's Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
2. Scott A, Brown T. Implementation of an Oesophageal Cancer Nutrition Care Pathway facilitates timely dietetic referral and management. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
3. Ross L, Mudge, A.; Vivanti, A.; Porteous, H.; Suna, J.; Bookless D. Poor appetite and diet quality in heart failure patients: targets for intervention. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
4. Rametta E, Mallen, K.; Daniels, L.; de Jersey S. Maternal overweight and early infant feeding practices. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
5. Petschel K, Markwell, K.; Mallen, K.; de Jersey S. Dietary restraint does not influence weight retention at four months post partum. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
6. Osland E. Are we doing enough to look after our own? Preliminary exploration of Professional Quality of Life in Acute Care Dietitians. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
7. Musial J, Krausse H. Improved Outcomes for Patients completing DAFNE at RBWH. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
8. Mayr H, Hall, J.; Hollis, G.; Hannan-Jones, M.; Ellick, J.; Banks M. Implementing a new menu: measuring quality using the meal quality audit tool (MQAT). Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
9. Lowe A, Brown, T.; Scott A. Regular auditing of malnutrition screening practices on a hospital Oncology Day Therapy Unit improves adherence and accuracy. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
10. Juffs P, Ellick, J.; Banks, M.; Suter, J.; Baker, B.; Peacey, K.; Kane S. Let them eat cake: providing nutritious mid-meals in an acute hospital setting. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
11. Hill J, Banks M. Improving nutrition care practices in public hospitals across Queensland: an evaluation of the Malnutrition Prevention project. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
12. Hannan-Jones M, Capra, S.; Banks, M.; Juffs P. Perceptions of meal quality and appearance – china plates or disposables – does it matter? Dietitian's Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
13. Glen K, Joliffe, L.; Young, A.; Malonie K. High nursing and patient satisfaction with innovative and interactive malnutrition teaching at the bedside. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
14. Ellick J, Banks, M.; Appleyard M. . Dietitian First Gastroenterology Clinic: A Pilot Study. Dietitian's Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
15. de Jersey S, Nicholson, JM.; Callaway, LK.; Daniels, LA. Gestational weight gain knowledge may prevent a large increase in food consumption early in pregnancy. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
16. de Jersey S, Nicholson, JM.; Callaway, LK.; Daniels, LA. Perceived change in energy balance behaviour early in pregnancy may increase the risk of excess gestational weight gain. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
17. Brown T, Banks, M.; Hughes, B.; Lin, C.; Kenny, L.; Bauer, J. Do advancing radiotherapy techniques impact on our nutrition management of patients with head and neck cancer? Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
18. Agarwal E, Ferguson, M.; Banks, M.; Vivanti, A.; Bauer, J.; Capra, S.; Isenring, E. Protein-energy malnutrition exists and is associated with negative outcomes in morbidly obese hospital patients. Dietitians Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.
19. Banks M, Ellick, J.; Buckley, A.; Hannan-Jones, M. Looks good enough to eat: Validation of a Meal Quality Audit Tool for use in Hospital Foodservices. Dietitian's Association of Australia 31st National Conference May; Brisbane: Nutrition and Dietetics; 2014.

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## Occupational Therapy Research Articles

1. Andrews, N.; Meredith, P.; Strong, J.; and Donohue, G. Adult attachment and approaches to activity engagement in chronic pain. *Pain Research and Management*, 2014; 19:317-327.
2. Andrews, N.; Strong, J.; Meredith, P.; D'Arrigo, R. The Association between Physical Activity and Sleep in Adults with Chronic Pain: A Momentary, Within-Persons Perspective. *Physical Therapy*. 2014; 94:499-510.
3. Killey, J.; Gustafsson, L. and Hoyle, M. (Paths to Work after Stroke in Australia. *Brain Impairment*, 2014; 15(2):99-106. doi:10.1017/BrImp.2014.18
4. Schleiger E, Sheikh N, Rowland T, Wong A, Read S, Finnigan S. Frontal EEG delta/alpha ratio and screening for post-stroke cognitive deficits: The power of four electrodes. *International Jnl Psychophysiology* 2014; 94:19-24.

## Department of Physiotherapy Publications

### Research articles

1. Bissett B, Boots RJ, Paratz J. Weaned but weary: One third of adult intensive care patients mechanically ventilated for 7 days or more have impaired inspiratory muscle endurance after successful weaning. *Heart & Lung: The Journal of Acute and Critical Care*. 2014; Nov 13. pii: S0147-9563(14)00369-0. doi: 10.1016/j.hrtlng.2014.10.001.
2. Comans T, Raymer M, O'Leary S, Smith D, Scuffham P Cost-effectiveness of a physiotherapist-led service for orthopaedic outpatients. *J Health Serv Res Policy*. 2014; Oct;19(4):216-23
3. Jones AY and Ngai S Acu-TENS lowers blood lactate level and enhances heart rate recovery after exercise. *J Traditional Chinese Medical Sciences*. 2014; 1:73-80
4. Liao LR, Lam FM, Pang MY, Jones AY, Ng GY Leg muscle activity during whole-body vibration in individuals with chronic stroke. *Med Sci Sports Exerc*. 2014; 46(3):537-45.
5. Mudge AM, Barras M, Adsett J, Mullins RW, Lloyd S, Kasper K. Improving care transitions in individuals frequently admitted to the hospital. *J Am Geriatr Soc*. 2014; 62(10):1994-6.
6. Ngai S, Jones AY, Jenkins S Regression equations to predict 6-minute walk distance in Chinese adults aged 55–85 years. *Hong Kong Physiotherapy Journal* 05/2014; 2014; 32(2):58-64.
7. Paratz J, Stockton K, Paratz E, Blot S, Muller M, Lipman J, Boots R. Burn resuscitation – hourly urine output vs alternative endpoints: a systematic review *Shock: Injury, Inflammation and Sepsis*. 2014; 42(4):295-306
8. Paratz JD, Kenardy J, Mitchell G, Comans T, Coyer F, Thomas P, Singh S, Luparia L, Boots RJ. IMPOSE (IMProving Outcomes after Sepsis)-the effect of a multidisciplinary follow-up service on health-related quality of life in patients postsepsis syndromes-a double-blinded randomised controlled trial: protocol. *BMJ Open*. 2014;4(5):e004966. doi: 10.1136/bmjopen-2014-004966
9. Paratz JD, Lipman J, Boots RJ, Muller MJ, Paterson DL A new marker of sepsis post burn injury? *Crit Care Med* 2014; 42(9):2029-36
10. Thomas P, Lipman J, Paratz J Seated and semi-recumbent positioning of the ventilated intensive care patient - effect on gas exchange, respiratory mechanics and hemodynamics. *Heart & Lung: The Journal of Acute and Critical Care*. 2014; 43(2):105-11.
11. Walsh JR, Morris NR, McKeough ZJ, Yerkovich ST, Paratz JD. A simple clinical measure of quadriceps muscle strength identifies responders to pulmonary rehabilitation *Pulm Med*. 2014:782702.
12. Yu DT, Jones AY Are physiological changes experienced by healthy subjects during acu-TENS associated with acupuncture point sensations? *Acupunct Med*. 2014;32(1):28-36

## Department of Rehabilitation Engineering Research Articles

1. Schuurs S, Amsters D, Bayliss C, Maughan L, Mason O, Slattery P Using programme theory to evaluate delivery of health services: A methodology accessible to clinicians. *Int J Therapy and Rehabilitation*. 2014

## Department of Social Work and Psychology Publications

### Research articles

1. Crane P, Fox S, Spencer A, Hardy F, Campbell C (2014). Enhancing social work interprofessional learning through across university and industry collaboration: Early steps in the Advanced Health Directives project. *Advances in Social Work & Welfare Education*, 2014; 16(1)

## Department of Speech Pathology and Audiology Publications

### Research articles:

1. Burns C, Ward E, Hill A, Keir B, Farrell A, Porter L, & Phillips N. The impact of image transfer on image quality in videofluoroscopic swallow studies. *Dysphagia* 2014; 29:799-800
2. McGowan S, Ward E, Wall L, Shellshear L, & Spurgin A-L. UK survey of clinical consistency in tracheostomy management. *International Journal of Language and Communication Disorders* 2014; 49(1):127-138.
3. Ward E, & Burns C. Dysphagia management via telerehabilitation: A review of the current evidence. *Journal of Gastroenterology and Hepatology Research* 2014; 3 (5):1088-1094.
4. Ward E, Burns C, Theodoros D, & Russell T. Impact of dysphagia severity on clinical decision making via telerehabilitation. *Telemedicine and e-Health* 2014; 20 (4):296-303.
5. Ward E, Baker S, Wall L, Duggan B, Hancock K, Bassett L, & Hyde T. Can Human Mannequin-based simulation provide a feasible and clinically acceptable method for training tracheostomy management skills for speech pathologists? *American Journal of Speech-Language Pathology* 2014; 23(3):421-36

### Book chapters:

1. Burns C, Hill A, & Ward E. Supporting Head and Neck Cancer Management: Use of Technology. In: Ward E & van As-Brooks C, editors. *Head and Neck Cancer, Treatment, Rehabilitation and Outcomes*. 2nd ed. San Diego, CA: Plural; 2014.
2. Ward E, Acton L, & Spurgin A-L. Stoma Care and Appliances. In: Ward E & van As-Brooks C, editors. *Head and Neck Cancer, Treatment, Rehabilitation and Outcomes*. 2nd ed. San Diego, CA: Plural; 2014.
3. Ward E, Burnett R, Spurgin A-L, Kelly A, Stierwalt J, Wilson K, Yiu E, & van der Molen L. Management of Head and Neck Cancer: An International Perspective In: Ward E & van As-Brooks C, editors. *Head and Neck Cancer, Treatment, Rehabilitation and Outcomes*. 2nd ed. San Diego, CA: Plural; 2014.

## Haematology and Bone Marrow Transplant Clinical Research Articles

- Al-Ejeh, F, Offenhauser, C, Lim, YC, Stringer, BW, Day, BW, Boyd, AW Eph family co-expression patterns define unique clusters predictive of cancer phenotype. *Growth Factors* 2014;32:254-264.
- Alexander KA, Flynn R, Lineburg KE, Kuns RD, Teal BE, Olver SD, Lor M, Raffelt NC, Koyama M, Leveque L, Le Texier L, Melino M, Markey KA, Varelias A, Engwerda C, Serody JS, Janela B, Ginhoux F, Clouston AD, Blazar BR, Hill GR, MacDonald KP. CSF-1-dependant donor-derived macrophages mediate chronic graft-versus-host disease. *J Clin Invest*. 2014;124:4266-4280.
- Andani R, Robertson I, Macdonald KP, Durrant S, Hill GR, Khosrotehrani K. Origin of Langerhans cells in normal skin and chronic GVHD after hematopoietic stem-cell transplantation. *Exp Dermatol*. 2014;23:75-77.
- Awan FT, Hillmen P, Hellmann A, Robak T, Hughes SG, Trone D, Shannon M, Flinn IW, Byrd JC; including LUCID trial investigator Durrant S. A randomized, open-label, multicentre, phase 2/3 study to evaluate the safety and efficacy of lumiliximab in combination with fludarabine, cyclophosphamide and rituximab versus fludarabine, cyclophosphamide and rituximab alone in subjects with relapsed chronic lymphocytic leukaemia. *Br J Haematol*. 2014;167:466-477.
- Benboubker L, Dimopoulos MA, Dispenzieri A, Catalano J, Belch AR, Cavo M, Pinto A, Weisel K, Ludwig H, Bahlis N, Banos A, Tiab M, Delforge M, Cavenagh J, Galdes C, Lee JJ, Chen C, Oriol A, de la Rubia J, Qiu L, White DJ, Binder D, Anderson K, Fermand JP, Moreau P, Attal M, Knight R, Chen G, Van Oostendorp J, Jacques C, Ervin-Haynes A, Avet-Loiseau H, Hulin C, Facon T; FIRST Trial Team including Durrant S. Lenalidomide and dexamethasone in transplant-ineligible patients with myeloma. *N Engl J Med*. 2014;371:906-917.
- Bilmon I, Nivison-Smith I, Hertzberg M, Ritchie D, Greenwood M, Spencer A, Kennedy G, Bryant A & Moore J. Outcomes following second allogeneic haematopoietic transplants using fludarabine-melphalan conditioning. *Bone Marrow Transplantation*. 2014;49:852-853.
- Bilmon IA, Ashton LJ, Le Marsney RE, Dodds AJ, O'Brien TA, Wilcox L, Nivison-Smith I, Daniels B, Vajdic CM; CAST study group including Durrant S. Second cancer risk in adults receiving autologous haematopoietic SCT for cancer: a population-based cohort study. *Bone Marrow Transplant*. 2014;49:691-698.
- Boyd, AW, Bartlett, PF, Lackmann, M. Therapeutic targeting of Eph receptors and their ligands. *Nat Rev Drug Discovery* 2014;13:39-62.
- Bruedigam C, Bagger FO, Heidel FH, Paine Kuhn C, Guignes S, Song A, Austin R, Vu T, Lee E, Riyat S, Moore AS, Lock RB, Bullinger L, Hill GR, Armstrong SA, Williams DA, Lane SW. Telomerase inhibition effectively targets mouse and human AML stem cells and delays relapse following chemotherapy. *Cell Stem Cell*. 2014;15:775-790.
- Cheah CY, Herbert KE, O'Rourke K, Kennedy GA, George A, Fedele PL, Gilbertson M, Tan SY, Ritchie DS, Opat SS, Prince HM, Dickinson M, Burbury K, Wolf M, Januszewicz EH, Tam CS, Westernman DA, Carney DA, Harrison SJ & Seymour JF. A multicentre retrospective comparison of central nervous system prophylaxis strategies among patients with high-risk diffuse large B-cell lymphoma. *British Journal of Cancer* 2014;111:1072-1079.
- Collins JT, Narayana MJ, Morris K, Casey J, Inglis PL, Cheuk R, Rajah T, Robertson T & Kennedy GA. Adult medulloblastoma: feasibility and effectiveness of utilising high-dose chemotherapy with autologous stem cell rescue in newly diagnosed patients. *Internal Medicine Journal*. 2014;44:209-210.
- Cummins KD, Jane SM, Nikovic S, Bazargan A, Filshie R, Suttrave G, Gertzberg M, Scott A, Lane SW, Yannakou CK, Ditchie D, D'Rozario J, Black J, Bavishi K, Wei A. Sorafenib priming may augment salvage chemotherapy in relapsed and refractory FLT3-ITD-positive acute myeloid leukaemia. *Blood Cancer J* 2014;4:e237.
- Curley C, Hill GR, McLean A, Kennedy GA. Outcomes following relapse of acute leukemia post T cell replete allogeneic peripheral blood progenitor cell transplantation: Importance of post relapse new onset chronic GVHD. *Int J Lab Hematol*. 2014;36:197-204.
- Curley C, Hill GR, McLean A, Kennedy GA. Immunotherapy following relapse of acute leukaemia after T-cell-replete allogeneic peripheral blood progenitor cell transplantation: importance of new onset chronic graft-versus-host disease. *Int J Lab Hematol*. 2014;36:197-204.
- Day, BW, Stringer, BW, Boyd, AW Eph Receptors as Therapeutic Targets in Glioblastoma Multiforme. *Brit. J. Cancer*. 2014;111:1255-1261.
- Dubovsky JA, Flynn R, Du J, Harrington BK, Zhong Y, Kaffenberger B, Yang C, Towns WH, Lehman A, Johnson AJ, Muthusamy N, Devine SM, Jaglowski S, Serody JS, Murphy WJ, Munn DH, Luznik L, Hill GR, Wong HK, MacDonald KK, Maillard I, Koreth J, Elias L, Cutler C, Soiffer RJ, Antin JH, Ritz J, Panoskatsis-Mortari A, Byrd JC, Blazar BR. Ibrutinib treatment ameliorates murine chronic graft-versus-host disease. *J Clin Invest*. 2014;124:4867-4876.
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- He SZ, Busfield S, Ritchie DS, Hertzberg MS, Durrant S, Lewis ID, Marlton P, McLachlan AJ, Kerridge I, Bradstock KF, Kennedy G, Boyd AW, Yeadon TM, Lopez AF, Ramshaw HS, Iland H, Bamford S, Barnden M, DeWitte M, Bassar R, Roberts AW. A Phase 1 study of the safety, pharmacokinetics and anti-leukemic activity of the anti-CD123 monoclonal antibody CSL360 in relapsed, refractory or high-risk acute myeloid leukemia. *Leuk Lymphoma*. 2014;20:1-10.
- Ieguchi, K, Tomita, T, Omori, T, Komatsu, A, Deguchi, A, Masuda, J, Duffy, SD, Coulthard, MG, Boyd, AW, Maru, T. ADAM12-cleaved ephrin-A1 causes lung metastasis. *Oncogene* 2014;33:2179-2190.
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- Markey KA, MacDonald KP, Hill GR. The biology of graft-versus-host disease: experimental systems instructing clinical practice. *Blood*. 2014;124:354-362.
- Markey KA, Koyama M, Gartlan KH, Leveque L, Kuns RD, Lineburg KE, Teal BE, MacDonald KP, Hill GR. Cross-dressing by donor dendritic cells after allogeneic bone marrow transplantation contributes to formation of the immunological synapse and maximizes responses to indirectly presented antigen. *J Immunol*. 2014;192:5426-5433.

34. Moore J, Bryant A, Nivison-Smith I, Subramonia Pillai E, Kennedy G, Kalff A, Ritchie D, George B, Hertzberg M, Patil S, Spencer A, Fay K, Cannell P, Berkahn I, Doocey R & Spearing R. Fludarabine Melphalan reduced intensity conditioning allotransplantation provides similar disease control in lymphoid and lyeloid malignancies-analysis of 344 patients. *Bone Marrow Transplantation*. 2014;49:17-23.
35. Piper, M, Barry, M, Harvey, TJ, McLeay, R, Smith, AG, Harris, L, Stringer, BW, Day, BW, Wray, NR, Gronostajski, RM, Bailey, TL, Boyd, AW, Richards, LJ. NFIB-mediated repression of the epigenetic regulator Ezh2 promotes cortical development. *J Neurosci*. 2014;34:2921-2930.
36. Schuster IS, Wikstrom ME, Brizard G, Coudert JD, Estcourt MJ, Manzur M, O'Reilly LA, Smyth MJ, Trapani JA, Hill GR, Andoniou CE, Degli-Esposti MA. TRAIL+ NK cells control CD4+ T cell responses during chronic viral infection to limit autoimmunity. *Immunity*. 2014;41:646-656.
37. Smith DJ, Hill GR, Bell SC, Reid DW. Reduced mucosal associated invariant T-cells are associated with increased disease severity and *Pseudomonas aeruginosa* infection in cystic fibrosis. *PLoS One*. 2014;9:e109891.
38. Tivnan, A, Zhao, J, Tiwari, S, Johns, TG, Day, B, Stringer, B, Boyd, AW, Giles, KM, Teo, C, McDonald, KL. The tumour suppressor microRNA, miR-124a is regulated by epigenetic silencing and the transcription factor, REST in glioblastoma. *Tumor Biol*. 2014;35:1459-1465.
39. Wikstrom ME, Khong A, Fleming P, Kuns R, Hertzog PJ, Frazer IH, Andoniou CE, Hill GR, Degli-Esposti MA. The early monocytic response to cytomegalovirus infection is MyD88 dependent but occurs independently of common inflammatory cytokine signals. *Eur J Immunol*. 2014;44:409-419.

## Department of Medical Oncology Publications

1. Beesley VL, Green AC, Wyld DK, O'Rourke P, Wockner LF, deFazio A, Butow PN, Price MA, Horwood KR, Clavarino AM, Australian Ovarian Cancer Study Group, Australian Ovarian Cancer Study-Quality Of Life Study Investigators, Webb PM. Quality of life and treatment response among women with platinum-resistant versus platinum-sensitive ovarian cancer treated for progression: a prospective analysis. *Gynecol Oncol*. 2014; Jan;132(1):130-6.
2. Brown T, Banks M, Hughes B, Kenny L, Lin C, Bauer J. Protocol for a randomised controlled trial of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer. *BMC Nursing* 2014;13:17.
3. Brown T, Ross L, Jones L, Hughes B, Banks M. Nutrition outcomes following implementation of validated swallowing and nutrition guidelines for patients with head and neck cancer. *Supportive Cancer Care*. 2014; 22:2381-91.
4. Chan B, Hughes B. Targeted therapy for non-small cell lung cancer: current standards and the promise of the future. *Transl Lung Cancer Res* 2014; Feb;4(1):36-54.
5. Coate L, McNamara MG, Lwin Z, MacFadden D, Al-Zahrani A, Laperriere N, Menard C, Millar BA, Sahgal A, Massey C and Mason WP. Glioblastoma treatment in the elderly in the temozolomide therapy era. *The Canadian Journal of Neurological Sciences*. 2014; 41357-362.
6. Field K, Shapiro J, Wong HL, Tacey M, Nott L, Tran B, Turner N, Ananda S, Richardson G, Jennens R, Wong R, Power J, Burge M, Gibbs P. Treatment and outcomes of metastatic colorectal cancer in Australia: defining differences between public and private practice. *Intern Med J*. 2014; Nov 18.
7. Foote M, McGrath M, Guminski A, Hughes B, Meakin J, Thomson D, Zarate D, Simpson F, Porceddu S. Phase II study of single agent Panitumumab in patients with incurable cutaneous squamous cell carcinoma. *Ann Oncol*. 2014;25(10):2047-52.
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## Department of Nursing (Cancer Care Services) Publications

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## Department of Emergency Medicine Publications

### Research articles

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## Department Intensive Care Unit

### Research articles

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## Department of Medical Imaging

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## Department of Cardiology

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## Department of Genetic Health Queensland

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## Department of Infectious Diseases Unit

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## Department of Internal Medicine and Aged Care

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## Department of Neurology

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## Metro North Mental Health Services

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## Queensland Centre for Gynaecological Cancer

### Research Articles

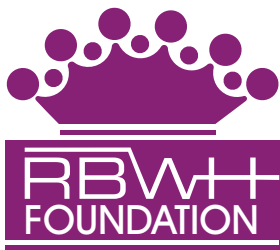
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### Centre for the Advancement of Clinical Research

#### Publications

1. Peverill W, Powell LW, Skoien R. (2014) Evolving concepts in the pathogenesis of NASH: Beyond steatosis and inflammation. International Journal of Molecular Sciences 15, 8591-8638.
2. Wood, MJ, Gonsalkorala ES, Powell LW (2014) Diabetes and Hemochromatosis. In Frontiers in Diabetes Vol 22: "Diabetes Secondary to Endocrine and Pancreatic Disorders". Eds. Ghigo E and Porta M. Karger, Basel, Switzerland, 155-166.



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