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**SCHOOL OF PUBLIC HEALTH  
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ANNUAL REPORT 2016

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# ANNUAL REPORT 2016

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# FROM THE HEAD OF SCHOOL



*Professor John McNeil AM  
Head of School*

SPHPM went from strength to strength in 2016, with an array of impressive grants, important projects, teaching developments and general expansion. As I write this, the School is in the midst of occupying more newly acquired space on St Kilda Road. We are fortunate to have started 2017 on the strong foundations of 2016.

One such strong foundation is our impressive grant success, with research funding for the School in 2016 totalling over \$40 million. Over \$16.8 million funding was awarded by the National Health and Medical Research Council (NHMRC) for 14 research projects and fellowships. The School represents the four highest-value NHMRC-funded research projects across Monash University from the 2016 allocation, including our \$4.8 million Project Grant for ASPREE (ASpirin in Reducing Events in the Elderly), which will assist in the completion of the trial. Included in our impressive NHMRC haul were various fellowships: Dr Jacqui Boyle and Associate Professor Julian Elliott received Career Development Fellowships; Associate Professor Andrew Udy received an Early Career Research Fellowship; and Dr Carolina Weller received a TRIP (Translating Research Into Practice) Fellowship.

NHMRC funding is a significant funding source for the School – it allows us to continue vital work in the field of public health which will benefit countless people for years to come. I congratulate all the successful applicants on both the funding and their continued commitment to public health research.

More great fellowship success for SPHPM researchers came from the Heart Foundation, with Dr Janet Bray, Associate Professor Carol Hodgson and Associate Professor Lisa Moran being awarded Future Leader Fellowships. The Heart Foundation also awarded Associate Professor Ben Smith with a Vanguard Grant in the 2016 funding round.

SPHPM's STAREE (STAtin therapy for Reducing Events in the Elderly) trial engaged in a major profile push in 2016, raising the awareness of the trial as it recruits GPs and patients across the country. Trial activity continued in Melbourne, Hobart and Perth, with Newcastle and Brisbane coming on board in the new year. The trial commenced expansion into key regional areas within Victoria and Tasmania in 2016. Professor Robyn Langham from the University's School of Rural Health was invited to join the STAREE Steering Committee and will be a strong advocate for trial activity and expansion throughout regional Victoria.

The Monash Clinical Registries Program within SPHPM now houses 23 registries, making it the largest clinical registries program in the country. Some registry highlights from 2016 include: submissions to the Victorian Department of Health's Review of Quality and Safety regarding the important role registries play in medicine and healthcare; a submission to the Victorian Department of Health's proposal to establish a pilot program of collection of Patient Reported Outcome Measures; the launch of the global Prostate Cancer Outcomes Registry (PCOR-Global); continued growth of the Australian Breast Device Registry (ABDR), which currently comprises over 10,000 patients; and the establishment of the SPHPM Registry Science Unit (RSU) comprising academics, statisticians, IT experts and quality and communications experts to provide registry advice, support and project assistance to the suite of clinical registries.

SPHPM continues to develop and expand its teaching curriculum. In 2016, over 670 students were enrolled in the School's extensive program of postgraduate courses, including the Master of Public Health, and specialty Certificate, Diploma and Master's courses in health services management, biostatistics, clinical research methods, international health, occupational and environmental health and forensic medicine. Higher degree by research program numbers have trebled over the last 10 years, with 197 students enrolled in 2016.

I would like to extend my thanks to Dr Basia Diug, Senior Lecturer and Head of Undergraduate Courses, for the development of the Bachelor of Biomedicine co-unit, BMS 3052. Basia's innovative teaching approaches saw her win a Monash Education Academy Teaching Award in 2016 – the first for the School. Together with SPHPM Lecturer Evie Kendal and colleagues from other faculties within Monash, she also won an interfaculty transformation grant for the project, "Cultural competence program for local and international students going on placement and studying locally and abroad". This project is focused on increasing the cultural competence of Monash students engaged with external learning opportunities, such as placements and internships.

We are continuing to achieve great things at SPHPM – I thank everyone who makes this happen and contributes to our endeavours in public health research. I look forward to building on the achievements and successes of 2016 with our staff, students and stakeholders to ensure 2017 is equally bright.

*NHMRC funding is a significant funding source for the School – it allows us to continue vital work in the field of public health which will benefit countless people for years to come.*



# HIGHLIGHTS FOR THE YEAR



## **SPHPM PART OF TEAM TO RECEIVE \$9.5M NHMRC GRANT TO COMBAT UNNECESSARY TESTING AND TREATMENT**

A team of Australia's leading healthcare researchers were awarded a \$9,578,895 program grant from the NHMRC in 2016 to help reduce unnecessary testing and treatment, particularly in the areas of musculoskeletal diseases, cardiovascular disease and cancer.

*Professor Rachelle Buchbinder*

The Four Chief Investigators who will lead the study, entitled 'Using healthcare wisely: Reducing inappropriate use of tests and treatments', are Professor Rachelle Buchbinder from SPHPM and the Cabrini Institute, Professor Paul Glasziou from Bond University, Professor Chris Maher from the George Institute for Global Health and Professor Kirsten McCaffery from the University of Sydney.

Professor Buchbinder said she is thrilled to be able to contribute to this important and timely program of research. As a rheumatologist her major interest has been in improving outcomes for people with chronic musculoskeletal conditions such as osteoarthritis and low back pain.

"A systematic approach to investigating the problem of over-testing, over-diagnosis, and over-treatment is needed. We know that one off strategies aimed at changing clinician behaviour are ineffective and an all of systems approach involving clinicians, policy makers and consumers is needed to identify and test sustainable multifaceted solutions.

"However a strength of our planned program of research is that it will cross professional boundaries and this means that we can learn from successes in other disciplines," said Professor Buchbinder.

Researchers said the research program was a natural evolution of work the team had done previously in screening and diagnosis. While there are many benefits to early detection and treatment of disease, there is increasing evidence of unnecessary testing and treatment resulting in harm to patients, increased health expenditure and the diversion of scarce resources from where they are most needed.

Australia spends five billion dollars each year on back pain – this important research could aid the best spending of funds for diagnosis and treatment; disease definition; enhanced public input into screening policy; and overall direction on using healthcare resources wisely.

The initial work will be in identifying problems and potential solutions in musculoskeletal diseases, cardiovascular disease and cancer. These issues have global impact and researchers anticipate findings will be of international significance.

The NHMRC grant will fund a series of national research projects across all states, led by the four Chief Investigators, which will be staggered over a five year period from January 2017.

The team will partner with relevant organisations engaged in diagnostic and screening policy making to translate and disseminate its findings.

Program Grants are the NHMRC's highest version of grants. They are issued annually and are not based on the cost of the proposed research or budget request, but rather a grant amount is awarded based on the cumulative track record of research achievement of each Chief Investigator involved.

## CELEBRATING JOHN MCNEIL'S 30 YEARS AT THE HELM OF SPHPM

In April 2016, staff and students gathered together to celebrate Professor John McNeil's milestone of 30 years as Head of the School of Public Health and Preventive Medicine.



Professor Michael Abramson, Deputy Head of the School, delivered a speech reminiscing about the Department of Epidemiology and Preventive Medicine (DEPM) – the School's first incarnation – and its modest office and small team when he came on board in the early 90s. He reflected on the impressive growth the School has seen in the last three decades as a result of Professor McNeil's leadership and vision.

SPHPM is now one of the largest Schools of Public Health in the Asia Pacific Region, and has become a leader in the establishment, management and analysis of clinical registries in Australia, housing more than 20 clinical registries.

Professor McNeil was appointed Head of DEPM in 1986, and subsequently served as Head of the School from the time of its formation in 2008.

"It has been a great privilege holding a leadership position amongst such enormously talented staff and students. Working with you all has been an inspiration and I am very proud of your achievements, particularly given the fact that we all work in one of the most competitive areas of research," said Professor McNeil.

In 2015 Professor McNeil was honoured for his career contribution to Monash University by being appointed as a Sir John Monash Distinguished Professor.

He joins just a small handful of staff recommended by their Dean for this high level of professional recognition. The distinguished title is only granted to eminent professors of exceptional distinction who have made an outstanding contribution to their field or discipline and to Monash University.

"It is fitting to acknowledge my gratitude to my extraordinarily accomplished and capable senior colleagues and our wonderful administrative support staff, many of whom have also spent a significant proportion of their careers with the School," said Professor McNeil.

*Professor Michael Abramson and Professor John McNeil at the celebrations*

## SPHPM REGISTRY SET TO TRANSFORM PROSTATE CANCER TREATMENT OUTCOMES

**PROSTATE  
CANCER  
OUTCOMES**

REGISTRY  
AUSTRALIA AND  
NEW ZEALAND

The Prostate Cancer Outcomes Registry - Australia and New Zealand (PCOR-ANZ) housed at SPHPM was launched in June 2016 with help from the Movember Foundation, who are seeking to change the face of men's health and improve outcomes for men diagnosed with prostate cancer. The registry is the world's largest national prostate cancer clinical registry and will bring urologists and oncologists together to redefine what success looks like for prostate cancer treatment and life beyond the disease.

SPHPM hosted the launch at the AMREP Centre and were joined by a number of esteemed guests including State Member for Frankston Mr Paul Edbrooke, Executive Director of Programs for the Movember Foundation Mr Paul Villanti, President of the Urological Society of Australia and New Zealand Professor Mark Frydenberg and Head of SPHPM Professor John McNeil.

Prostate cancer continues to be the most commonly diagnosed cancer among Australian males with more than 18,000 men diagnosed with prostate cancer each year. The Movember Foundation has committed \$5.5 million to the PCOR-ANZ to set the standard in collecting and reporting data, which will set new benchmarks to drive quality improvement in clinical and patient reported outcomes.

"For the first time, doctors in Australia and New Zealand will have access to patient experience results from around the country.

This will equip doctors with the data they need to minimise the risk of life-changing side effects and redefine what success looks like to transform the treatment and care of prostate cancer patients," said Associate Professor Sue Evans, PCOR-ANZ custodian.

One in seven men will be diagnosed with prostate cancer before the age of 75. For men living with prostate cancer, there are a variety of treatment options now available that vary according to the type of prostate cancer diagnosed but can include: active surveillance, hormone therapy, surgery, radiotherapy or a combination of therapies.

New research indicates that compared with 10 years ago, men are now being diagnosed on average three years earlier and with a less advanced stage of the disease, however early registry data has shown some variation in survival rates between men from rural or regional areas and capital cities.

Men from higher socioeconomic areas are nearly three times more likely to be diagnosed compared to those from the lowest socioeconomic areas.

Paul Villanti said while more men are now surviving prostate cancer, the quality of their lives has, in some cases, been significantly affected. This is where a registry like PCOR-ANZ can benchmark treatments and help clinicians offer the optimal treatment for every man.

"Australia is leading the world in improving how the disease is treated with the launch of the largest national registry that includes patient experiences. This will improve treatment outcomes as clinicians will be able to see the results of their patients on an ongoing basis and benchmark those results at a population level," said Paul Villanti.

"All men, no matter where they're from – a regional town or a major capital city – will have the best possible chance of surviving and thriving after a prostate cancer diagnosis," said Professor Frydenberg.

The burden of prostate cancer in Australia continues to be significant, with more Australian men dying from prostate cancer than women from breast cancer. An estimated 185,700 to 201,700 men diagnosed with prostate cancer will be living in Australia by the end of 2017.

"Through the launch of this registry, Australia is leading the way in significantly improving how prostate cancer is treated around the world. In the future we will be able to compare clinical outcomes across the globe and, as a result, help minimise side effects of treatment," said Associate Professor Evans.



## BIG GRANTS AWARDED IN THE NATIONAL BLOOD SECTOR RESEARCH PILOT



*Members of the Transfusion Research Unit: (L to R) Associate Professor Erica Wood, Amber Degelia, Neil Waters, Dr Zoe McQuilten and Dr Orla Morrissey, infectious diseases physician from Alfred Health.*

Members of the Transfusion Research Unit (TRU) were awarded two major grants in 2016 from the National Blood Authority as part of Australia's national blood sector research pilot.

The TRU is a multidisciplinary team of researchers responsible for managing nine national registries as well as clinical trials and other projects which focus on the treatment of important blood disorders and conditions requiring major transfusion support.

Associate Professor Erica Wood, Dr Zoe McQuilten and Neil Waters from TRU, along with colleagues at the Australasian Leukaemia and Lymphoma Group and University of Oxford, received funding of \$394,958 to conduct a pilot study of prophylactic oral antibiotics compared with intravenous immunoglobulin (IVIg, a product made from donated plasma) to prevent infections in adult patients with haematologic malignancies.

The RATIONAL (role of antibiotic therapy or IVIg on infections in haematology) study will take place at five hospitals in Australia and New Zealand. The three-year project also includes a systematic review and an international survey of clinical practice in this setting.

"Many patients with blood cancers such as myeloma and lymphoma receive IVIg in an attempt to prevent serious infections. The RATIONAL study will provide important information to help develop a large study to give us a better understanding of the current role of IVIg in this context. We want to know whether giving oral antibiotics is a safe, useful and less expensive alternative for some of these patients," said Associate Professor Wood.

The second grant was awarded to a group of researchers led by Professor David Burgner from Murdoch Children's Research Institute, along with colleagues from Sydney Children's Hospital, the Australian Red Cross Blood Service, and Professor Allen Cheng and Associate Professor Erica Wood from Monash University. The funding of \$246,645 is to support research into the epidemiology and management of Kawasaki disease.

Kawasaki disease is an uncommon but important disease that affects young children. Although most cases are relatively mild, causing fever and rash, the disease can occasionally affect the arteries supplying the heart. Prompt treatment with IVIg is the mainstay of therapy for this condition.

"We think that diagnosis of this disease is becoming more common in recent years with increasing awareness. This will be the first national study of the epidemiology and management of Kawasaki disease since the early 1990s," said Professor Cheng.

## SPHPM'S PROFESSOR JOHN ZALCBERG ANNOUNCED AS THE TONY CHARLTON CHAIR OF ONCOLOGY



*The new Tony Charlton Chair of Oncology joined by Tony's family. (L-R) Robyn Charlton, Jon Charlton, Professor John Zalcborg OAM, Catherine Charlton and Loris Charlton.*

In November 2016, SPHPM's Professor John Zalcborg OAM was the inaugural Tony Charlton Chair of Oncology at the Alfred Hospital. Jointly appointed between Monash University and the Alfred, this leadership position will steer the Alfred's oncology program into the future, cultivating innovative new treatments and transferring research findings into clinical practice.

"The Tony Charlton Chair of Oncology signifies a great collaboration between Monash University and the Alfred, and provides the opportunity for many leaders in the field to drive important research and clinical excellence in the fight against cancer," said Professor John McNeil, Head of SPHPM.

Professor Zalcborg is Professor of Cancer Research at SPHPM – prior to joining SPHPM he was the Director, Division of Cancer Medicine, at the Peter MacCallum Cancer Centre for 17 years. An esteemed researcher and clinician in the field of oncology, specialising in gastrointestinal cancer, Professor Zalcborg has been involved in numerous groups and organisations.

He was a founder of the Lorne Cancer Conference and the Australasian Gastrointestinal Trials Group (AGITG) and the immediate past Chair of the Board of AGITG after serving in this role for over 15 years; a past Board Member of Cancer Trials Australia; a past Board Member of the NSW Cancer Institute; past President of the Clinical Oncological Society of Australia; and a past Member of the Consultative Council of the Victorian Cancer Agency. He is the current Co-Chair of the Cancer Drugs Alliance and Chair of the Australian Clinical Trials Alliance.

He was also honoured at the 2016 AGITG Annual Scientific Meeting with the announcement of the inaugural John Zalcborg OAM Award for Excellence in AGITG research.

This important new role has been created in honour of Tony Charlton AM, sports broadcaster and long supporter of the Alfred. He was the Life Governor of the Alfred, a member of various committees and Board Chairman for many years, and directly involved with raising more than \$140 million in funding during his time at the Alfred.

## PATIENT FALLS IN HOSPITAL ARE FREQUENT AND HARMFUL BUT ARE THEY PREVENTABLE?

An SPHPM study on interventions to decrease falls and fall injuries in acute hospitals was published in the *British Medical Journal* (BMJ) in early 2016.

Associate Professor Anna Barker and Ms Renata Morello from SPHPM's Falls and Bone Health Team, within the Health Services Research Unit (HSRU), led a cluster randomised control study involving 31,411 patients in 24 acute wards in six Australian hospitals between 2012 and 2013, the largest undertaken worldwide to date.



"Falls are one of the largest causes of patient harm in Australian hospitals, with more than 30,000 falls recorded in 2013-14 – they are a national safety and quality priority," said Associate Professor Anna Barker, Chief Investigator on the study.

The research involved testing the nurse-led '6-PACK' program which involves completing a fall-risk tool and implementing one or more of six interventions: a 'falls alert' sign; supervision of patients in the bathroom; ensuring patients' walking aids are within reach; a toileting regime; use of a low-low bed; and use of a bed/chair alarm.

Associate Professor Barker said the key findings of the trial were that despite the introduction of the 6-PACK program improving fall-risk tool completion and the use of fall prevention strategies recommended by best practice guidelines, the study observed that there was no effect on falls or fall injuries compared with usual care.

Falls remain a frequent and substantial source of harm for patients in acute hospitals.

"The study indicates an absence of high-quality evidence that falls can be prevented in acute wards. Solutions to the issue of in-hospital falls, the most frequent patient safety incident in hospitals, are urgently required," said Associate Professor Barker.

Falls are a major cause of harm for patients, often resulting in bone fractures and prolonging the length of hospital stays. Falls also place a significant burden on clinical staff and hospital resources. According to a preliminary examination of deaths reported to the Coroners Court of Victoria, approximately 60 deaths from falls occurred in Victorian hospitals in 2015.

Ms Renata Morello said that patients who experience an in-hospital fall almost doubled their length of stay in hospital, and the hospital bears a significant burden in costs whether or not the fall resulted in injury.

"Our findings raise questions about the expenditure of staff time on the delivery of interventions that have been shown to be ineffective," said Associate Professor Barker.

"The challenge remains to develop innovative ways to prevent falls in hospital and to reduce the additional resource burden associated with these events."





## AUSTRALIAN BREAST DEVICE REGISTRY ON THE ROAD

In 2016 SPHPM’s Australian Breast Device Registry (ABDR) team ventured around the country to showcase to health professionals the safeguards that help to protect the health of Australians undergoing breast device surgery.

Held in Adelaide, Brisbane, Gold Coast, Hobart, Launceston, Melbourne, Sydney and Perth the presentations attracted plastic and reconstructive, cosmetic and general surgeons, theatre nurses, practice staff and representatives of device manufacturers.

The ABDR is a national registry that collects information on breast devices – breast implants, breast tissue expanders and acellular dermal mesh – commonly used during

breast augmentation and for breast reconstruction following mastectomy.

Funded by the Australian Department of Health, the ABDR was developed in the wake of an international recall of Poly Implant Prothese (PIP) breast implants in 2010. The ABDR is supported by the Australian Society of Plastic Surgeons, the Australasian College of Cosmetic Surgery and Breast Surgeons of Australia and New Zealand Inc.

An estimated 10,000 Australian women are having breast implants inserted annually, with the number expected to increase.

Each event successfully demonstrated the role of the ABDR in monitoring the long-term safety of patients receiving breast devices, such as measuring rates of adverse effects and rupture of breast implants, providing a method to track and trace for device recalls and to benchmark best practice.

They also provided a unique opportunity for contributing health professionals to view a sample of the registry data, to provide feedback on the data collection form and process and to participate in an interactive Q&A session with registry staff.

Showcase events will be held in Canberra and Darwin next year.

## ESTABLISHING THE AUS-ROC AUSTRALIAN AND NEW ZEALAND OUT-OF-HOSPITAL CARDIAC ARREST EPISTRY

The Australian Resuscitation Outcomes Consortium (Aus-ROC) established an Australian and New Zealand out-of-hospital cardiac arrest epidemiological registry, or Epistry in 2016. The Aus-ROC Epistry was established with the aim of understanding factors that are associated with survival, said Dr Ben Beck, Aus-ROC Research Fellow.

“Having an Australian and New Zealand cardiac arrest registry will enable us to identify strategies that lead to improved survival from out-of-hospital cardiac arrest. We will be able to understand regional differences in the incidence and outcomes as well as the impact of variations in the treatment of cardiac arrest between ambulance services on survival.

“The Epistry will also provide an established framework to enhance the coordination of clinical trials and improve collaboration between ambulance services,” said Dr Beck.

The development of the Epistry was published in BMJ Open and included SPHPM authors Dr Ben Beck, Dr Janet Bray, Professor Peter Cameron and Professor Judith Finn. Dr Beck highlighted the low survival rates from out-of-hospital cardiac arrest (OHCA) and the need to better understand factors that are associated with survival.

“We know that cardiac arrest is a global health problem with low survival rates. Similar international registries, such as the North American Resuscitation Outcomes

Consortium (ROC), have demonstrated that survival can substantially vary between regions.

“This suggests that there may be modifiable factors, such as ambulance service structure or cardiac arrest treatments that lead to increased survival and better quality of life for survivors,” said Dr Beck.

He indicated that while individual OHCA registries have been established by some ambulance services in Australia and New Zealand, these have not previously been combined to enable regional comparisons.

“For the first time, we are bringing together this Australian and New Zealand cardiac arrest data.



We have a total capture population of 19.4 million people, representing 64 per cent of Australia and 100 per cent of New Zealand.”

Data is being provided by seven ambulance services: Ambulance Victoria, SA Ambulance Service, St John Ambulance Western Australia, Queensland Ambulance Service, St John Ambulance NT, St John New Zealand and Wellington Free Ambulance.

Aus-ROC anticipates that all other Australian ambulance services will be able to provide data in the future.



## MCHRI HELPS LAUNCH NEW INDIGENOUS WOMEN'S HEALTH YARNING PLACE



The Monash Centre for Health Research and Innovation (MCHRI) at SPHPM, in partnership with the Australian Indigenous HealthInfoNet (Edith Cowan University) officially launched the Indigenous Women's Health Yarning Place in January 2016 at the Braybrook Community Centre.

*(L-R) Jane Burns (Australian Indigenous HealthInfoNet), Terori Hareko-Samios (cohealth), Dr Jacqueline Boyle (MCHRI, SPHPM), and Aunty Dianne Kerr at the launch*

The Indigenous Women's Health Yarning Place is the newest additional yarning place to be developed by the Australian Indigenous HealthInfoNet project that currently houses 17 yarning places. The Australian Indigenous HealthInfoNet is an innovative internet resource that aims to inform practice and policy in Aboriginal and Torres Strait Islander health by making research and other knowledge readily accessible.

The Women's Health Yarning place has been a co-development of the HealthInfoNet and MCHRI, with funding from the Ian Potter Foundation Health and Disability Grants.

Dr Jacqueline Boyle from MCHRI said the Yarning Place will provide a much-needed network for those working in this area. "Translational research with a population health focus is at the core of what we do here at MCHRI, and we're thrilled to see this project off the ground and encourage everyone to become mob members," said Dr Boyle.

The online yarning place is free and is designed to facilitate closer connections for those working across the country in Aboriginal and Torres Strait Islander women's health in a variety of settings including health promotion, clinical care, health research and policy.

"It provides a space to share stories, successes and learnings, and it's also just a great way to learn about what people are doing around the country, which you often don't hear about until you go to a research meeting or conference.

"One of the key priorities that came out at a National Indigenous Women's Health Research Meeting at Monash Health in 2013 was a need for a means of communication so that we can all learn from each other, from community members to researchers, to clinical care-providers to policymakers, and back again," said Dr Boyle.

The portal combines quality, up-to-date resources as well as a discussion board and chat room where mob members of the yarning place can network with each other and contribute to forums discussions as they wish.

The site will provide a sustainable and long term means of communication between all those working in Indigenous women's health across Australia from urban through to remote areas.

## COCHRANE'S PROJECT TRANSFORM: CLOSING THE GAP BETWEEN RESEARCH FINDINGS AND HEALTHCARE PRACTICE

Led by staff at Cochrane Australia within SPHPM, a host of initiatives launched in 2016 by the Project Transform team will help close the gap between evidence and practice with the launch of a new systematic review production process.

Cochrane is an independent not-for-profit organisation made up of 37,000 contributors from 130 countries — it produces trusted health information in the form of systematic reviews of research and is considered a leading contributor to systematic review and guideline development in Australia.

Cochrane Reviews are systematic reviews of primary research in human health care and health policy. They are internationally recognised because they identify, select, critically appraise, and synthesise the results of all existing studies of a given question. Cochrane Reviews are considered the highest level of evidence for decision-makers.

However these reviews are time and resource-intensive, with most systematic reviews taking more than two years to complete. This slows the translation of research findings into health policy, clinical practice guidelines and ultimately health practice.

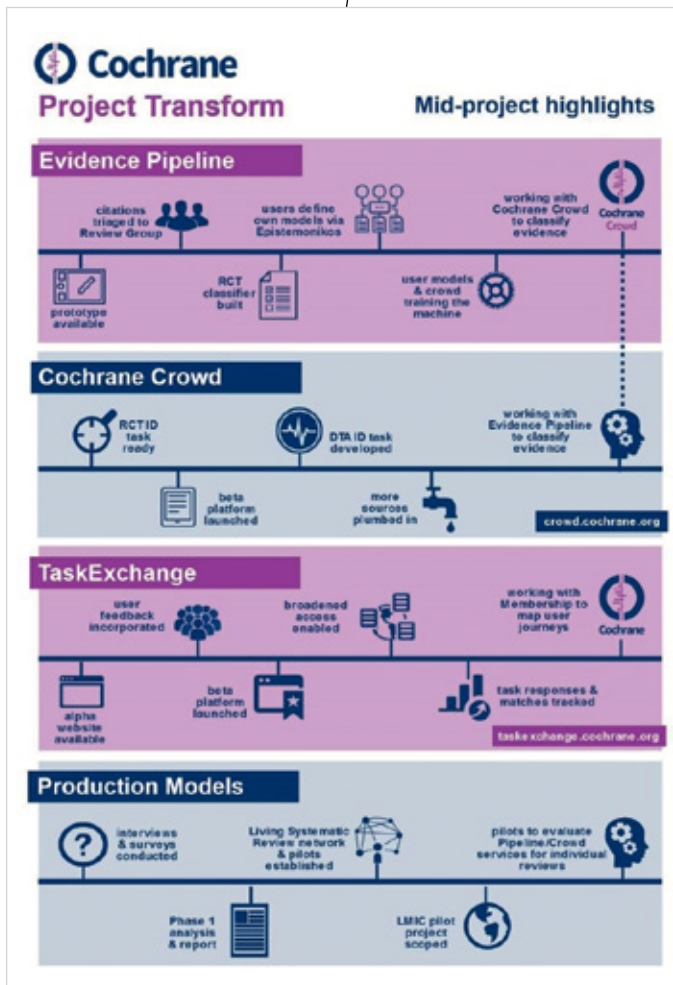
This has inspired the Project Transform team to implement four transformative new projects: the Evidence Pipeline; Cochrane Crowd; Task Exchange; and Production Models. Each project aims to improve the way people, processes and technologies come together to produce Cochrane content.

With more and more health research being published every day, the growing challenge in this field has become identifying the research needed to produce high-quality up-to-date health evidence. Evidence Pipeline machine learning platform and Cochrane Crowd's citizen scientists are working together to identify and classify reports of trials as they are published.

“Our new Cochrane Crowd online platform will enable anyone to get involved with Cochrane and help identify the evidence we need to make informed healthcare decisions. There are currently two tasks available (identifying randomised controlled trials and diagnostic test assessments), suitable for a whole range of different backgrounds, expertise and skill,” said Dr Julian Elliott, Senior Research Fellow at Cochrane Australia.

TaskExchange is a software platform that connects people who need help with their reviews with people who have the time and expertise to help. TaskExchange is now open access, so anyone who would like to contribute to the work of Cochrane can get involved.

<http://community.cochrane.org/tools/project-coordination-and-support/transform>



Project Transform's four key components

## COMMUNIQUÉ IS KEY TO TRANSFORMING CLINICAL PRACTICE IN AGED CARE

With an ever-increasing ageing population, the importance of improving the quality of health and aged care services is paramount. In 2016 the Residential Aged Care Communiqué (RAC Communiqué) celebrated its tenth year of publication and has been credited with changing clinical practices in aged care according to latest findings. The popular publication contains narrative case reports about lessons learned from Coroners' investigations into preventable deaths and has an estimated readership of 30,000 people.

Research from the Department of Forensic Medicine (DoFM) at SPPHM has found that printed educational material (PEM) positively impacts on aged care professional practices in Australia.

The study, published in the *Journal of Continuing Education in the Health Professions*, focused on the impact of the RAC Communiqué, a quarterly electronic publication produced by DoFM and the Victorian Institute of Forensic Medicine (VIFM) on preventable deaths in residential aged care facilities.

"Our research found that more than half of the RAC Communiqué subscribers reported a change in practice, highlighting its impact and efficacy as a PEM," said co-author Professor Joseph Ibrahim, an expert in geriatric medicine from DoFM.

"To the best of my knowledge, there have been no reports, either here or internationally; apart from our own, of a PEM alone changing professional practice to this extent in the aged-care sector.

More than half of our survey respondents reported that a practice change occurred as a result of reading the RAC Communiqué, this is an exceptional outcome," said Professor Ibrahim.

Government estimates predict that by 2042, one quarter of the Australian population will be 65 years or older, and an increasing proportion of this population will live in nursing homes or aged-care accommodation, emphasising the importance of aged care and geriatric medicine.

Each edition of the RAC Communiqué focuses on a single theme relevant to clinicians and care staff in aged care. It details case summaries from deaths reported to the Coroners Court to engage the reader, with commentaries from a recognised expert to provide the relevant information about optimal clinical practice. There are also electronic references to key national and international resources.



The study also highlights the appeal of the RAC Communiqué with 84.4 per cent subscribed for more than one year, and 91.7 per cent having read all or most issues.

Approximately one in five respondents reported that the practice change in their workplace would not have occurred had they not read the RAC Communiqué.

Professor Ibrahim said the study proves that PEMs can still play a viable role in promoting practice change. He added that they have the opportunity to be particularly successful if, like the RAC Communiqué, they take a patient-centred approach which resonates better with readers and are aided by the use of narratives.

"It is undeniable that evidence-based medicine plays an integral role in shaping clinical practice, however a more patient-centred approach may be more relatable and memorable to many health professionals in improving their care," said Professor Ibrahim.

"The findings from this study along with our previous studies are important because they support the usage of PEMs and, of case narratives in the health care industry, particularly in the aged-care sector."

Professor Ibrahim and his team have now completed four separate evaluations that unequivocally demonstrate the impact of this publication on improving residential aged care practice, which has implications for promoting future practice changes, as PEMs are low cost and have the ability to reach a wide audience. Professor Ibrahim also acknowledged the long standing support and commitment of the Ageing and Aged Care Branch, Department of Health and Human Services of Victoria.

The RAC Communiqué is complemented by the Clinical Communiqué and Future Leaders Communiqué, which detail hospital-based case studies and junior practitioner inspired content respectively. The Future Leaders Communiqué was added to this suite of electronic publications in 2016.



## MONASH CLINICAL REGISTRIES



Monash registry academics and Registry Sciences Unit staff

### SPHPM Registries Program

SPHPM currently operates 23 clinical registries in-house as well as supporting a number of external registries with information technology services, making Monash Clinical Registries the largest clinical registries program in Australia. Monash Clinical Registries comprise clinical registries across a diverse range of clinical disciplines including cancer, cardiac, devices and procedures, rare diseases, transfusion and trauma registries. Clinical registries are recognised to have an important role in monitoring device safety, reviewing the long-term effects of health interventions, and providing data that may identify variation in practice.

### Registry collaboration with stakeholders

As health funders and health services seek credible data to understand and compare their clinical performance, the value of clinical registry data is increasingly being recognised. In 2016 Monash Clinical Registries provided submissions to the Victorian Department of Health's Review of Quality and Safety regarding the important role registries play in providing risk-adjusted benchmarked information for review by health services and clinical networks. Monash Clinical Registries also provided a submission to the Victorian Department of Health's proposal to establish a pilot program of collection of Patient Reported Outcome Measures.

At a national level, Monash Clinical Registries participated in a series of clinical registry prioritisation workshops run by the Commonwealth Department of Health as part of development of a national co-ordinated approach to clinical registries during the year. The Australian Breast Device Registry provided a submission to the Therapeutic Goods Administration consultation regarding Draft Clinical Evidence Guidelines – Medical Devices. Senior registry staff also participate in SPHPM's range of teaching programs regarding the role of clinical registries in quality improvement and health service and system performance on an ongoing basis.

### SPHPM Registry Science Unit (RSU)

In January 2016, SPHPM formally established a RSU comprising academics, statisticians, IT experts and quality and communications experts. This unit provides registry advice, support and project assistance to the suite of clinical registries. It also supports consistency in practice such as the development of standard policies, guidelines, forms and templates, and a data dictionary for generic registry data elements that may be adapted to individual registry needs and Steering Committee requirements.

The RSU facilitates co-ordination and communication of registry activities, including the operation of a Registries Leadership Committee which meets monthly to discuss new initiatives and to define best practice standards

across the program. In 2016 the RSU developed a Monash Clinical Registries Portfolio document that showcases our clinical registries and is available on the SPHPM website. Genomics is implemented into the RSU as part of a broader Monash Public Health Genomics Program with a particular focus on rare disease registries, cancer and other bio banking opportunities.

### Registry Initiatives in 2016

Some highlights from individual Monash clinical registries for 2016 include:

- The launch of the global Prostate Cancer Outcomes Registry (PCOR-Global).
- Monash SPHPM took over the management of the Australian Cystic Fibrosis Data Registry, which has been in operation since 1998 and includes 23 sites across Australia and New Zealand.
- Collaboration between the Victorian Lung Cancer Registry and the Victorian Integrated Cancer Services (ICS) to evaluate a new model of lung cancer care in selected Victorian public hospitals.
- Continuing growth of the Australian Breast Device Registry (ABDR), which currently comprises over 10,000 patients.
- The 1,000th patient was registered on the Australian and New Zealand Myeloma and Related Diseases Registry.
- Monash commenced the new Australian and New Zealand Lymphoma and Related Diseases registry.
- Agreements with Healthscope and Ramsay Health to participate in a number of our registries including the ABDR, Bariatric Surgery Registry and Prostate Cancer Registry are being finalised.
- The Bariatric Surgery Registry has over 15,000 consented patients, with approximately

86 per cent of procedures undertaken in the private sector. Over 5,000 patients have reached one year of follow up and over 100 patients have reached four years of follow up.

- The Victorian Cardiac Outcomes Registry (VCOR) recently achieved a major milestone in having the remaining three private hospitals undertaking percutaneous coronary intervention (PCI) agree to begin participation in the registry. Currently VCOR represents approximately 100 interventional cardiologists and over 9,000 patients are accrued annually into the PCI registry. Benchmarking of hospitals' PCI performance demonstrated that all hospitals achieved acceptable results within control limits for all major key performance outcome measures.
- In 2015, the management of 138 patients with suspected STEMI (ST-elevation myocardial infarction) at the six participating regional and rural Victorian health services were recorded in the pilot VCOR ST Elevation Myocardial Infarction (STEMI) database. A total of 98 per cent of patients received guideline-indicated treatment with thrombolytic therapy for the early treatment of STEMI.

Further information regarding the SPHPM Registries Program can be found at:

<http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/>

Further information regarding the Registry Special Interest Group (SIG), an informal forum for those affiliated with clinical registries, can be found at:

<http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/registriesig.html>



## ASPREE – ASPIRIN IN REDUCING EVENTS IN THE ELDERLY



ASPREE Healthy Ageing Biobank Manager, Tom Gilbert explains the process of preparing blood samples donated by ASPREE participants for long term storage in large nitrogen tanks in the Monash Biorepository

The randomised, double blind, placebo-controlled study has the support of more than 2,000 GP co-investigators to track the health of their ASPREE patients for an average of five years. The trial closed recruitment in 2014 with 19,114 participants – 16,703 in Australia and 2,411 in the USA. ASPREE is being conducted in metropolitan and regional areas in Victoria, Tasmania, South Australia, the ACT and southern NSW.

In 2016, the trial continued collecting physical, cognitive and well-being (including depression) measures; personal health histories; lifestyle choices and social circumstance; pharmacotherapies; and data on clinical events including myocardial infarction, stroke, heart failure, cancer, dementia, depression and clinically significant bleeding.

The ASPREE study is augmented by 15 sub-studies, most of which are in the follow-up phase:

- ACES – ASPREE Cancer Endpoints Study;
- ALSOP – questionnaires identifying medical and social factors that may affect the ability to age well;
- ASPREE-AMD – age-related macular degeneration;

- ASPREE-ANTISEPSIS – severe infection;
- ASPREE-D – depression; ASPREE- FRACTURES – falls and bone fractures;
- ASPREE-HEARING – age related hearing loss;
- ASPREE-Knee – osteoarthritis;
- ASPREE-NEURO – microvascular bleeds in the brain;
- ENVIS-ion – changes in retinal and brain vasculature; and
- SNORE-ASA – obstructive sleep apnoea.

The ASPREE Healthy Ageing Biobank is a repository for biological indicators of health (or disease). Currently, the Australian ASPREE Healthy Ageing Biobank has 12,228 baseline blood & urine samples, > 7,824 year 3 follow up samples, and >1,643 saliva samples and ~ 475 tumor specimens.

Two new biomarker sub-studies commenced this year: the SHOW (Sex Hormones in older Women) study, investigating the effect of androgens on cardiovascular health and mortality in ASPREE women; and another study investigating levels of inflammatory biomarkers in plasma from ASPREE participants (200 samples to date).

ASPREE is an international primary prevention trial to determine whether daily low-dose (100 mg) aspirin prolongs survival, free from cognitive and physical disability in healthy older people, aged  $\geq 70$  yrs. ASPREE will for the first time, weigh the balance of benefit versus the risk of low-dose aspirin for primary prevention in the elderly.

### 2016 Highlights of the ASPREE Trial

#### Data Collection

ASPREE field staff conducted more than 14,100 annual study visits in-person. The remaining ~1,500 annual visits were conducted by phone call or through medical records. ASPREE administration staff made in excess of 60,000 phone calls to ASPREE participants for retention and data collection purposes.

#### Data Management

The ASPREE data management team continued to upgrade and reprogram the main ASPREE database to improve data entry, reporting and communication between staff and databases across both countries.

A new web-based electronic Access Management System was developed to handle and track sub-study requests and access to data is currently being tested.

#### Endpoint Management

To date the Endpoint Data Management team has collected, processed and reviewed more than 45,000 pages of clinical supporting

evidence to provide for adjudication of primary and secondary study endpoints.

#### Participant engagement

In addition to regular phone contact and annual study visits, ASPREE hosted study updates with local ASPREE participants in several Australian sites. These events continue to be well received by participants and local media outlets, and contribute to strong retention in the study. ASPREE maintains a public website for both countries.

#### Funding

This year ASPREE received funding from the National Eye Institute (NIE), a branch of the National Institutes of Health (NIH) in the US, to continue collection of retinal photographs and analysis of all images in the ASPREE-AMD (Age-related macular degeneration) sub-study. Additional funding was awarded from an NHMRC ASPREE Project Completion grant and an NHMRC grant to investigate the longer-term effect of aspirin on colorectal cancer.

<http://www.aspree.org/>  
Twitter: @aspree\_aus

## STAREE – STATINS IN REDUCING EVENTS IN THE ELDERLY



Members of the STAREE team at the Perth community event

SPHPM's pioneering clinical trial STAREE is being led by Principal Investigator Professor Sophia Zoungas and is a collaboration between Monash University, The Menzies Research Institute (The University of Tasmania), Australian National University, University of Western Australia and Curtin University. It was launched in 2015 with funding from the NHMRC to investigate whether a cholesterol lowering medication (known as a statin) can prolong good health and maintain independence amongst people aged 70 years and older. The study is being conducted with General Practitioner co-investigators. Participant visits and data collection are undertaken by the STAREE research staff.

A major focus and achievement for the STAREE team in 2016 was to raise the profile of the trial. Staff attended a variety of public events and meetings to explain the trial and how to participate, as both an individual participant and as a co-investigator GP. Along with public presentations at Rotary and Probus groups, the team were also interviewed about STAREE by several local ABC radio networks.

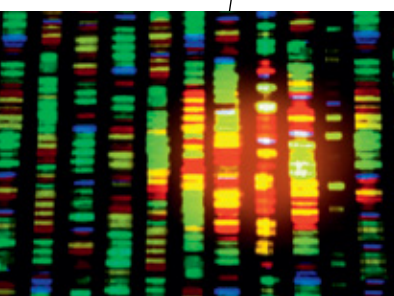
The year also saw the first edition of the STAREE newsletter being distributed to the public. Another notable highlight was a leading article, "Menzies world first trial", printed in Hobart's *The Mercury* newspaper in August, with a circulation of 31,522.

Trial activity continued in Melbourne, Hobart and Perth, with plans for Newcastle and Brisbane coming on board in 2017. The trial will also be expanding into key regional areas within Victoria and Tasmania in 2017. Professor Robyn Langham from the University's School of Rural Health was invited to join the STAREE Steering Committee and will be a strong advocate for trial activity and expansion throughout regional Victoria.

The study is aiming for more than 10,000 participants nationwide.

<http://www.staree.org.au/>

## PUBLIC HEALTH GENOMICS PROGRAM



The Public Health Genomics Program was established in 2015, with Dr Paul Lacaze appointed as its inaugural head. The primary goal of the Program is to explore the role of genetic data in public and population health using genetic analyses of large cohorts, clinical trials and clinical registries.

The Public Health Genomics Program aims to address major issues faced by the field of human genetics, such as how to effectively convert large amounts of genomic sequence data into meaningful medical information; interpret and disclose genetic information responsibly; and integrate genetic data into medical support systems.

The Program has been made possible due to the unique resources and opportunities associated with the ASPREE study and ASPREE Healthy Ageing Biobank within SPHPM. This has led to ASPREE becoming a major part of national and international

genomics initiatives, including two new genomics sub-studies that commenced in 2016:

- Collaboration with the Garvan Institute of Medical Research in Sydney to develop a Medical Genome Reference Bank from 2,000 ASPREE participants aged >75 years without a history of cancer.
- Collaboration with the Icahn Institute at the Mount Sinai School of Medicine in New York, to screen DNA from ~14,000 participants, for the presence of selected mutations associated with a range of diseases. These findings will contribute to the Resilience Project, investigating how disease-related mutations behave in older people who remain disease free.
- Explore the role of genetics versus the environmental factors in defining human health and disease.
- Address social, legal and ethical challenges in the disclosure of genetic information.
- Measure penetrance and pathogenicity of genetic variants in healthy elderly adults and identify rare examples of resilience against known disease-causing genetic variants.

The Public Health Genomics Program is also rapidly expanding into other projects associated with the STAREE clinical trial and Monash Clinical Registries.

<http://www.med.monash.edu.au/sphpm/genomics-program.html>

These broader collaborative research projects aim to explore the role of genetics in healthy ageing and disease through genome sequencing of thousands of individuals.

## PROFESSOR ANDREW TONKIN RECOGNISED FOR LIFETIME CONTRIBUTION TO CARDIOVASCULAR RESEARCH

Professor Andrew Tonkin, Head of the Cardiovascular Research Unit at SPHPM, is one of just two academics who was awarded the 2015 Heart Foundation Research Medal for Lifetime Contribution to Cardiovascular Research in Melbourne this week by the National Heart Foundation.

The Heart Foundation Research Medal was established in 2006 and recognises outstanding contribution to the fields of heart, stroke and blood vessel disease research in Australia over a sustained period, as well as involvement with the Heart Foundation and a history of contributions to Heart Foundation goals and objectives.

Professor Andrew Tonkin has worked with the Heart Foundation for over 35 years and was awarded an Order of Australia Medal for services to medical research and has an international reputation in relation to the management of lipids.

Professor Andrew Tonkin is also a Consultant Cardiologist at Austin Health and former Director of Cardiology at Austin Health and he has served as Chief Medical Officer with the

National Heart Foundation of Australia.

Cardiovascular disease is still the number one killer in Australia, despite ongoing efforts in prevention and treatment.

Professor Andrew Tonkin's latest project is coordinating a world-first national study testing whether a safe, one-off pneumococcal vaccination can help to reduce the risk of heart attacks and strokes. He is leading the Australian Study for the Prevention through Immunisation of Cardiovascular Events (AUSPICE) which is recruiting 6,000 Australians across five collaborating sites to test whether the antibodies that are generated in response to the vaccine appear to bind to and reduce the build-up of cholesterol.

He was also recently awarded a \$380,000 Australian Research Council (ARC) linkage grant with Associate Professor Bing Wang with the Centre of Cardiovascular Research and Education in Therapeutics (CCRET) and the Monash University Faculty of Engineering to develop new innovative technologies that could revolutionise blood pressure monitoring.

He will be working closely with Professor Wenlong Cheng in Monash University's Nanobionics Lab to develop e-skin technology that will allow conformal contact with the wrist to detect pulse waveforms related to systolic and diastolic blood pressure (BP), which could reliably monitor a person's BP continuously and non-invasively anytime or anywhere.



## PROFESSOR SUSAN DAVIS AWARDED BEST PAPER BY NORTH AMERICAN MENOPAUSE SOCIETY

In 2016, the North American Menopause Society (NAMS) awarded endocrinologist Professor Susan Davis, Director of SPHPM's Women's Health Research Program, the Lippincott Williams & Wilkins Best Paper of the Year Award.

The six categories for the Society's 2016 awards recognise outstanding contributions to the field of women's health and menopause — Professor Davis was the only Australian researcher to receive this high honour.

For the best paper category the recipient is hand-picked by the Editor-in-Chief of the Journal, Harvard Medical School Professor Isaac Schiff.

Professor Davis received the award for her publication in Menopause titled, "Moderate to severe vasomotor and sexual symptoms remain problematic for women aged 60 to 65 years."





## KEN HARVEY AWARDED ANZAAS MEDAL FOR SERVICES TO SCIENCE

SPHPM's Adjunct Associate Professor Ken Harvey was presented with the 2016 Australian & New Zealand Association for the Advancement of Science (ANZAAS) Medal, which is awarded annually for outstanding achievement in Australian science.

The ANZAAS medal was presented to Associate Professor Harvey at the Royal Society of Victoria as part of National Science Week celebrations. In particular, the ANZAAS Medal recognises contributions to science which lie beyond normal professional activities such as the teaching of science or the advancement of science through administration and organisation of scientific activities.

Associate Professor Harvey joined SPHPM in 2014 in the Department of Epidemiology and Preventive Medicine (DEPM) and has a keen research interest in medicinal drug policy and complementary medicine. He has recently turned his attention to the Chiropractic Board of Australia (CBA) and Australian chiropractors' promotion of therapeutic interventions. He has also been recognised for his services to the consumer movement with a life membership to Choice, the Australian Consumer's Association.

He regularly contributes to The Conversation on policy and ethical issues related to the pharmaceutical industry, the Therapeutic Goods

Administration (TGA) and complementary medicine. He also frequently submits formal complaints to the Australian Competition and Consumer Commission (ACCC) on behalf of Friends of Science in Medicine, addressing breaches of the Therapeutic Goods Advertising Code.

In the course of his career he has worked with a number of international health organisations including: AusAID, the World Health Organisation (WHO) and Health Action International on improving medicinal drug policy in the Asia-Pacific region. More recently, his interests in information technology and the optimisation of medicinal drug use have converged in the area of E-Health, including

health informatics policy and computerised decision support, especially electronic medication management.



## SPHPM FORENSIC EXPERT RECEIVES HONORARY DOCTORATE IN BELGIUM

Professor Olaf Drummer, Head of SPHPM's Department of Forensic Medicine (DoFM) and Deputy Director (Academic Programs) at the Victorian Institute of Forensic Medicine (VIFM) was awarded an honorary doctorate (doctor honoris causa) from the University of Antwerp in Belgium in 2016. The award recognises his extraordinary career as a forensic pharmacologist and toxicologist as well as his vital role in establishing VIFM's world-class forensic laboratories and academic programs at DoFM.

The award also highlights the esteemed international reputation of Professor Drummer, DoFM and VIFM. VIFM in partnership with DoFM provides opportunities for training, education and research in a wide range of forensic medical and scientific disciplines. Professor Drummer was honoured at the ceremony along with just three other scientists from around the world at the distinguished annual event.

Professor Drummer was integral in developing DoFM's research program, which has grown to include: opioid toxicity and minimizing iatrogenic deaths from methadone; adverse effects of drugs as applied to forensic cases; drug redistribution and stability in post mortem cases; and crash risk of drugs in drivers of motorised vehicles.

This research has led to significant changes in government policy, such as reforming the administration of methadone to opioid addicts and in establishing effective drug-driving enforcement programs; and in improving the evidence basis of opinions in forensic medicine and science.

In his role as Deputy Director of academic programs at the VIFM he is responsible for the teaching and research activities of the Institute. The Institute is also responsible for all Forensic Medical services in the State of Victoria that includes associated forensic labs; one of which is forensic toxicology.

Professor Drummer has been instrumental in establishing this laboratory, which now provides a full time service for death investigations, drug detection in suspected drug associated assaults, and over 10,000 annual cases in drivers for alcohol and drugs. The Institute's forensic operations are at the forefront of forensic toxicology science.

Professor Drummer's profile is global with a long history of service to a number of international associations,

including serving both as treasurer and president of The International Association of Forensic Toxicologists (TIAFT), and for several years Chair of the drugs of abuse committee at the International Congress of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT). He is currently President of the Australian Clinical and Forensic Toxicology Association (FACTA) and an editor for Forensic Science International, responsible for all drugs and toxicology papers.



Professor Olaf Drummer (right) with University of Antwerp's Rector, Professor Alain Verschoren (centre), and Professor Hugo Neels





## PROFESSOR RINALDO BELLOMO MAKES THE 2016 THOMSON REUTERS LIST OF HIGHLY CITED (HICI) RESEARCHERS

SPHPM's Professor Rinaldo Bellomo once again gained a place on the Thomson Reuters list of Highly Cited (HiCi) Researchers list. Professor Bellomo has appeared on this list three consecutive years (2014-2016) and is one of the School's most highly cited researchers, with some papers being cited over 1,000 times alone.

This is a prestigious accolade that places Professor Bellomo among the top one per cent most referenced researchers in the world within the category of Clinical Medicine.

Professor Bellomo is currently the Director of Intensive Care Research at Austin Health. Alongside this, he is the Co-Director of the Australian and

New Zealand Intensive Care Research Centre (ANZIC-RC). He is also a Professorial Fellow at the University of Melbourne, an Honorary Professor at Monash University, an Honorary Professorial Fellow at both the University of Sydney and The George Institute and an Honorary Principal Research Fellow at the Howard Florey Institute.

## THE FOLLOWING STAFF MEMBERS WON AWARDS IN 2016

### Dr Helen Ackland

MSA Teaching Award – joint initiative of the Monash Student Association (MSA) and the Office of the Vice-Provost (Learning & Teaching)

### Dr Nicola Beamish

Roger Wurm Award for the best overall scientific presentation – The Australian Society for Psychosocial Obstetrics and Gynaecology (ASPOG) Annual Meeting

### Dr Ben Beck

Brendan Dooley/Gordon Trinca Trauma Research Scholarship – Royal Australasian College of Surgeons (RACS) Foundation for Surgery

### Dr Janet Bray

Inaugural Ian Jacobs Fellowship Award – Australian Resuscitation Council (ARC)

The Ross Hohnen Award for Research Excellence – Heart Foundation

### Professor D Jamie Cooper AO

All AMREP 2016 Research Prize  
Alfred Research Week Senior Medical Staff Prize for Clinical/ Public Health Research  
Platinum Level ELSO Award for Excellence in Life Support (with V Pellegrino et al)

### Dr Basia Diug

Monash Teaching Accelerator Award – Monash Education Academy

### Dr Christina Ekegren

Best New Investigator Award in Injury Prevention – Sports Medicine Australia (SMA) Conference

### Professor Judith Finn

Honorary Membership – European Resuscitation Council

### Associate Professor Freya Fowkes

Georgina Sweet Award for Women in Quantitative Biomedical Science – created as part of the Australian Laureate Fellowship Program, The University of Melbourne with funding from the Australian Research Council

### Dr Ben Freedman

The Award for 'Outstanding Individual who has Contributed to Arrhythmia Services' – British Heart Rhythm Society

### Dr Julia Gilmartin

'Best Presenter' Award – NHMRC National Institute for Dementia Research Australian Dementia Forum

### Associate Professor Ken Harvey

Skeptic of the Year Award – Australian Skeptics

### Associate Professor Carol Hodgson

Post-Doctoral Travel Award for Early Career Researchers (ECR) – The CASS Foundation

The Inaugural Henry Krum Early Career Researcher Publication Prize for Clinical Sciences – Monash University Faculty of Medicine, Nursing and Health Sciences Research Week

Alfred Research Week Senior Medical Staff Prize for Clinical / Public Health Research Award  
AMREP Clinical Research Mid-Career Researcher Best Paper Award

### Dr Jessica Kasza

John McNeil Early Career Researcher Publication Prize for Public Health Research – Monash University Faculty of Medicine, Nursing and Health Sciences Research Week  
AMREP Public Health Research Mid-Career Researcher Best Paper Award

### Dr Joanne Ryan

Yuligbar Foundation Post-doctoral Excellence Award

### Dr Dion Stub

AMREP Clinical Research Early-Career Researcher Best Paper Award

### Dr Amanda Vincent

Amgen OA-ANZBMS Clinical Grant Program Award – Amgen Australia-Osteoporosis Australia-Australia and New Zealand Bone and Mineral Society

### Associate Professor Erica Wood

The Ruth Sanger Award – Australian & New Zealand Society of Blood Transfusion (ANZSBT)

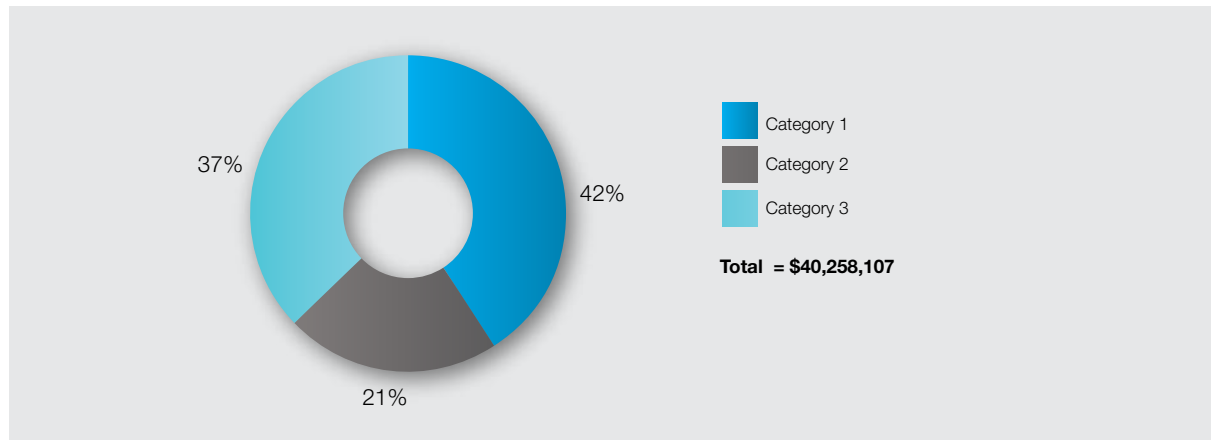
### Professor Sophia Zoungas

The Inaugural Australian Diabetes Society Ranji and Amara Wikramanayake Clinical Diabetes Research Award

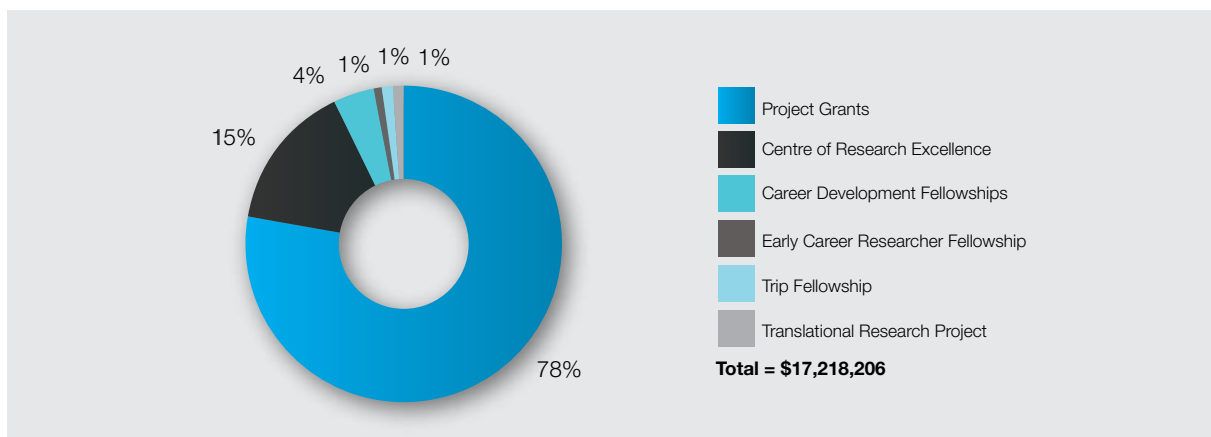
# RESEARCH | 2016 AT A GLANCE

## RESEARCH FUNDING 2016

The full grants and funding list can be found in Appendix 1

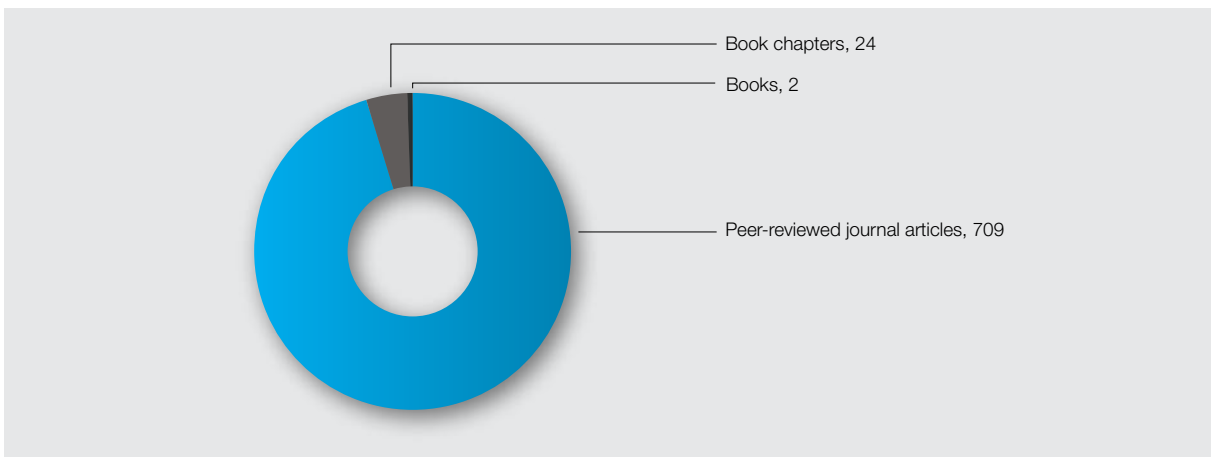


## NEW NHMRC FUNDING FROM APPLICATIONS SUBMITTED IN 2016



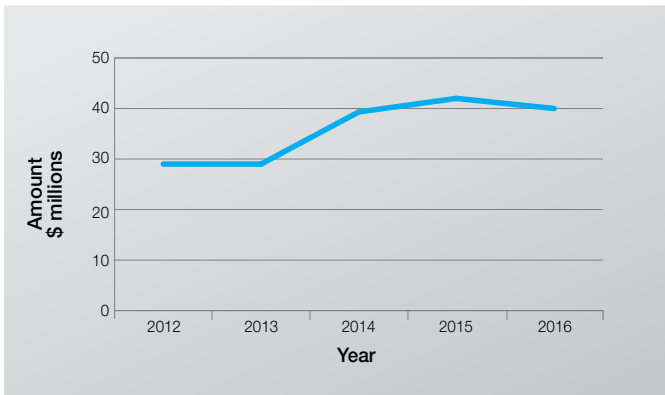
## PUBLICATIONS 2016

The full publications list can be found in Appendix 2

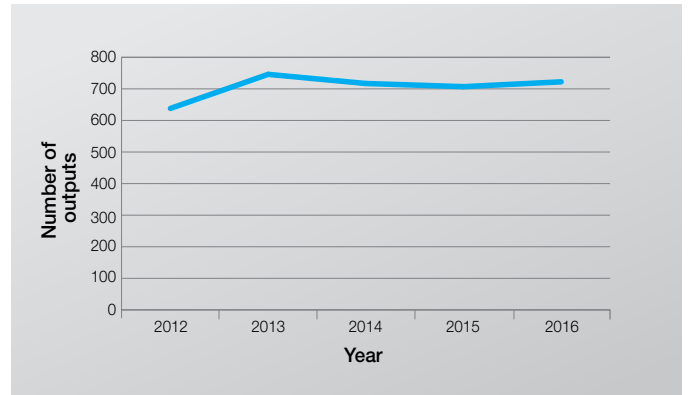


# RESEARCH / YEAR BY YEAR

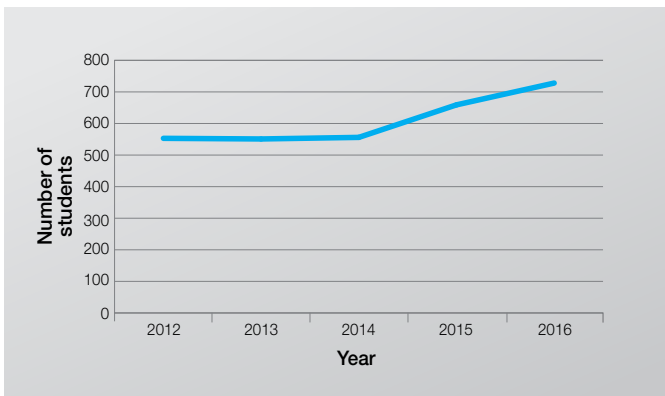
**Research Funding Year by Year**



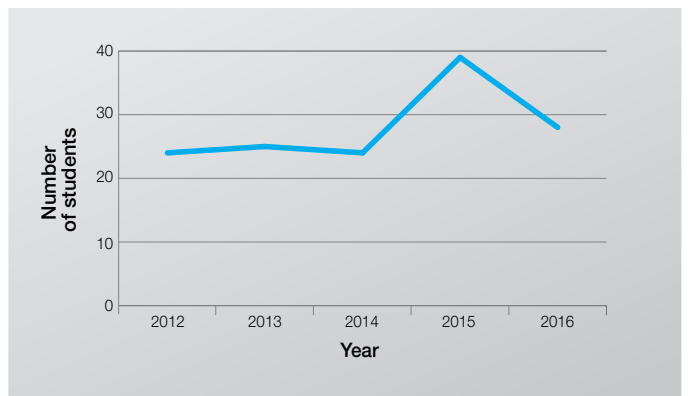
**Research Outputs Year by Year**



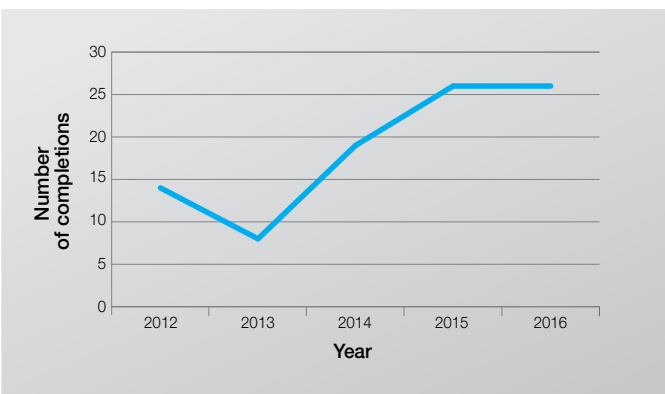
**Postgraduate Course Enrolments**



**Honours Students at SPHPM**



**Completions of Higher Degrees by Research Students**





# SCHOOL EXECUTIVE



*Back row L to R: Professor Noel Woodford, Dr Jayamini Illesinghe, Professor Malcolm Sim, Professor Andrew Forbes, Dr Carlene Britt (invitee), Professor John Zalcborg, Professor Michael Abramson Front row L to R: Professor Belinda Gabbe, Professor John McNeil, Professor Jane Fisher, Professor Peter Cameron Absent: Professor Robin Bell, Professor Flavia Cicuttini, Professor Jamie Cooper, Professor Susan Davis, Professor Olaf Drummer, Mr Gavin Horrigan, Associate Professor Dragan Ilic, Professor Danny Liew, Professor Helena Teede, Associate Professor Robyn Woods, Professor Sophia Zoungas.*

# DIVISIONS

Our research falls within the following divisions:

- **CANCER RESEARCH**
- **CLINICAL EPIDEMIOLOGY**
- **RESEARCH METHODOLOGY**
- **HEALTH SERVICES**
- **OCCUPATIONAL AND ENVIRONMENTAL HEALTH**
- **CRITICAL CARE RESEARCH**
- **MONASH CENTRE FOR HEALTH RESEARCH AND IMPLEMENTATION (MCHRI)**
- **SOCIAL SCIENCES**
- **FORENSIC MEDICINE**
- **RESEARCH GOVERNANCE**



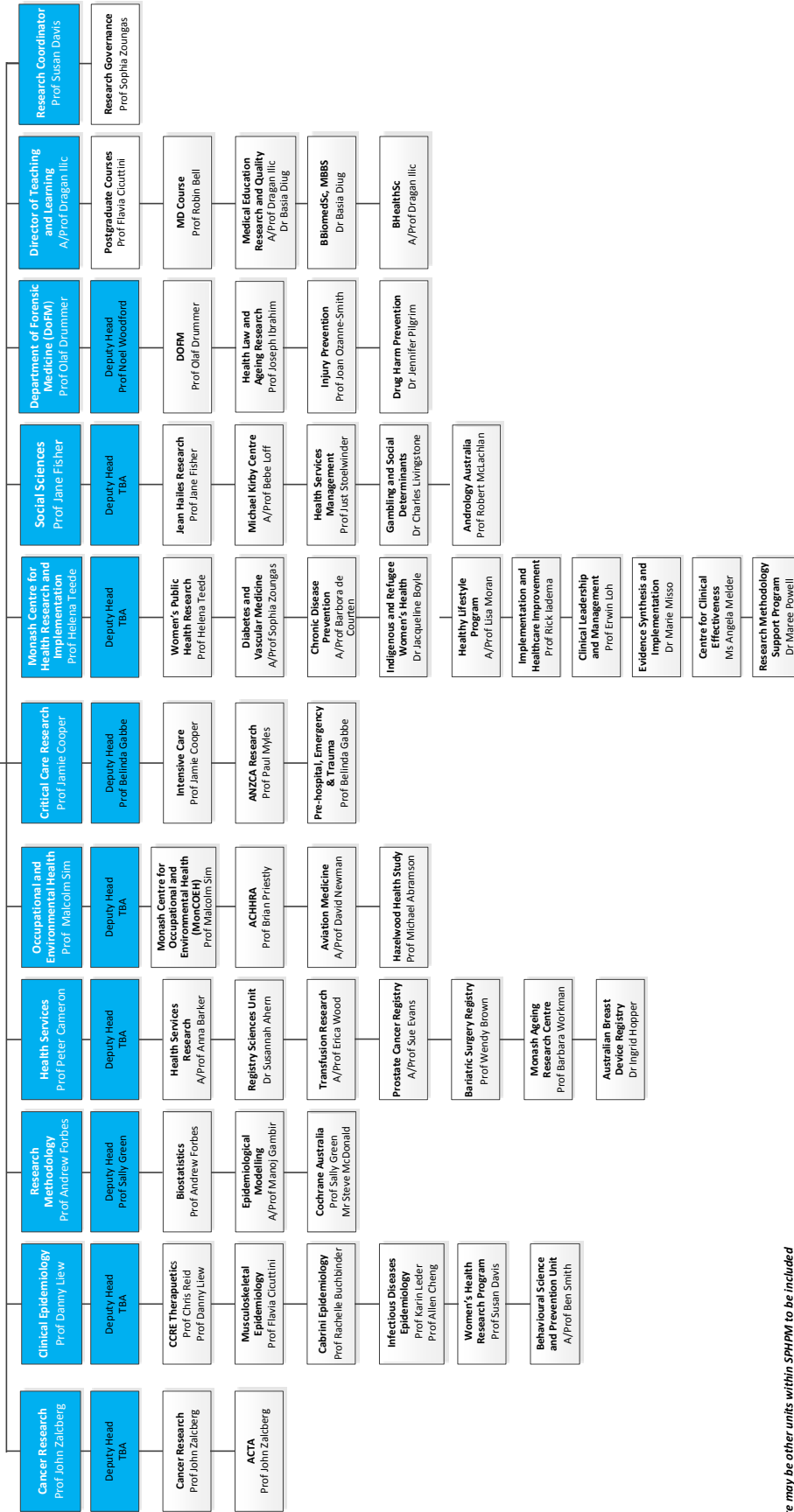
**School of Public Health and Preventive Medicine\***  
**Professor John McNeil**  
 Head of School  
**Professor Michael Abramson**  
 Deputy Head of School

**Predict Manager**  
 Mr Gavin Horrigan  
 Finance  
 Space  
 Research  
 Education  
 Communications

**Senior Manager**  
 Dr Jay Hlesinghe  
 Research  
 Education  
 Communications

**ASPREE**  
 A/Prof Robyn Woods

**STAREE**  
 Prof Sophia Zoungas



\*Please note there may be other units within SPHPM to be included



## CANCER RESEARCH DIVISION

The Cancer Research Division is comprised of the SPHPM Cancer Research Program and the Australian Clinical Trials Alliance (ACTA). Professor John Zalcborg OAM is the Head of the Division.

The Cancer Research Program currently encompasses two active clinical quality registries: the Victorian Lung Cancer Registry (VLCR) and the Upper Gastrointestinal Cancer Registry (UGICR, which will ultimately include pancreatic, oesophageal, gastric, biliary and primary liver cancers). The primary aim of these registries is to benchmark the performance of health services, on agreed measures of quality of care, to inform and enable care improvement.

Another important role of registries is to facilitate hypothesis-driven research projects, and both VLCR and UGICR are already involved with such projects. As cancer care becomes increasingly personalised, the role of cancer registries in linking subgroups of

patients with suitable research projects, including clinical trials, is likely to grow.

The Cancer Research Program has several other projects in development including new cancer registries and research projects relating to the registries. Detailed below are the 2016 highlights from the Division.

- Pilot of the pancreatic cancer module of the UGICR in three major health services
- Establishment of the Victorian Pancreatic Cancer Biobank which is a link between the UGICR and a biobank of pancreatic tumour samples, to enhance current and future laboratory research
- NHMRC Project Grant on the role of aspirin in the prevention of colorectal cancer
- NHMRC Project Grant for the pancreatic cancer module of the UGICR entitled 'Optimising care for patients diagnosed with pancreatic cancer: a prospective cohort study'
- Formation of a multidisciplinary working party for the oesophagogastric module of the UGICR, and development of quality indicators (measures) in oesophagogastric cancer care
- Collaborative project between the VLCR and Southern Melbourne Integrated Cancer Service to improve lung cancer service delivery
- ACTA partnered with the Australian Commission on Safety and Quality in Health Care and Health Outcomes Australia to provide the first ever health and economic evaluation of investigator-initiated clinical trials undertaken by networks
- The Inaugural ACTA Clinical Trial of the Year Awards were presented to mark International Clinical Trials Day
- The first meeting of the ACTA Advisory Council
- The ACTA 2016 Summit: IMPACT – Maximising the health and economic benefits of investigator-initiated clinical trials and registries was held on November 24 and attended by over 200 of Australia's leading clinical researchers, consumer advocates and key decision makers in health

More information about the work that the Cancer Research Division undertakes can be found via the following links:

<http://www.med.monash.edu.au/epidemiology/units-centres/cancer-research>

<http://www.clinicaltrialsalliance.org.au>

<http://vlcr.registry.org.au>

<http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/ugicr.html>



Professor John Zalcborg OAM with award winners and the Hon Sussan Ley MP, Minister for Health, at the inaugural ACTA Clinical Trial of the Year Awards. Associate Professor Craig French accepted the finalist award on behalf of the EPO-TBI Management Committee, an NHMRC and TAC-funded study coordinated by SPHPM'S ANZIC Research Centre to determine if erythropoietin (EPO) improved neurological function 6 months after injury.

## CLINICAL EPIDEMIOLOGY DIVISION



The Clinical Epidemiology Division comprises the Centre of Cardiovascular Research and Education in Therapeutics (CCRET), the Behavioural Science and Prevention Unit, the Women's Health Research Program, the Musculoskeletal Epidemiology Unit, the Monash Department of Clinical Epidemiology Cabrini Institute and the Infectious Diseases Epidemiology Unit. Professor Danny Liew is Head of the Division. Detailed below are some 2016 highlights from the Division.

### CCRET

- The Program Grant 'Novel approaches to the prevention and treatment of chronic heart disease and its co-morbid complications' commenced as did the Centre of Research Excellence (CRE) 'Cardiovascular Outcomes Improvement'
- There was ongoing expansion of three flagship cardiovascular clinical registries: Victorian Cardiac Outcomes Registry (VCOR), Australian and New Zealand Society of Cardiac and Thoracic Surgeons

(ANZSCTS) Cardiac Surgery Database, and Melbourne Intervention Group (MIG) Registry of Coronary Interventions

### Behavioural Science and Prevention Unit

- Associate Professor Ben Smith formed this Unit to strengthen research and industry collaboration in behavioural epidemiology and interventions
- This Unit is continuing several chronic disease prevention studies funded by the Australian Research Council, and is engaged in the Victorian Active Ageing Partnership in a state wide initiative to improve physical activity programs for older Victorians

### Women's Health Research Program

- Professor Susan Davis was elected to Fellowship of the Australian Academy of Health and Medical Sciences as well as the next President of the International Menopause Society

- Dr Berihun Zeleke was a finalist for the Robert Greenblatt Award of the International Menopause Society at the World Congress on Menopause
- With funding from the Grollo Ruzzene Foundation, the Younger Women's Health Study was established

### Musculoskeletal Epidemiology Unit

- The Unit is trialling new focussed approaches to the management of chronic musculoskeletal pain and osteoarthritis, conditions which do not have cures; including NHMRC funded clinical trials that are testing whether the use of certain medications are effective treatments for pain, or prevent disease progression in knee osteoarthritis
- The Unit also commenced a collaboration with Monash Engineering and industry partners, developing novel monitoring systems and ergonomic solutions for musculoskeletal conditions – the ultimate aim for this project is to improve outcomes for people with musculoskeletal conditions

### Monash Department of Clinical Epidemiology, Cabrini Institute

- Awarded an NHMRC Program Grant of \$9.58mill for 'Using healthcare wisely – reducing inappropriate use of tests and treatments'
- Professor Rachelle Buchbinder gave the Opening Plenary at the IV International Low Back and Neck Pain Forum
- Consensus for Exercise Reporting Template (CERT) for better reporting of exercise interventions in clinical trials published

### Infectious Diseases Epidemiology

- Continued partnership with Water Research Australia Limited (WaterRA) including a study in India on improving access to safe water using Riverbank Filtration Technology
- The Unit is contributing to several large NHMRC grants in surgical site infection, community-acquired pneumonia and emerging infectious diseases
- Members of the Unit continue to have a role in research translation and policy, through membership of state and Commonwealth advisory committees on drug regulation, influenza surveillance, immunisation and healthcare associated infection
- In 2016 the Unit continued to conduct short courses in Travel Medicine

More information about the work that the Clinical Epidemiology Division undertakes can be found via the following links:

<http://www.ccretherapeutics.org.au/>

<http://med.monash.edu.au/sphpm/womenshealth/>

<http://www.med.monash.edu.au/epidemiology/units-centres/muscskel/>

<http://www.med.monash.edu.au/epidemiology/units-centres/clinepi-cab/>

<http://www.med.monash.edu.au/epidemiology/infdis.html>

## RESEARCH METHODOLOGY DIVISION

The Research Methodology Division is headed by Professor Andrew Forbes and Professor Sally Green is in the role of Deputy Head. This Department works on important data collection and analyses, assisting a range of projects in the School as well as working with a range of staff across the University and Alfred Hospital. It is comprised of the Biostatistics Unit, Epidemiological Modelling Unit and Cochrane Australia.

Staff within the Research Methodology Division supervise PhD and MPhil students in Biostatistics and in Public Health, and are involved as Chief and Associate Investigators on numerous collaborative epidemiological research projects with researchers internal and external to the School.

The teaching roles of the Division include biomedical and health science undergraduate students; as well as public health and clinical research postgraduate students and to students in postgraduate degrees specialising in biostatistics.

The Biostatistical Consulting Platform (BCP) is also a part of the Division, which provides statistical collaboration, support, consultation and advice for staff of the Monash Faculty of Medicine, Nursing and Health Sciences across all campuses, for Alfred Hospital researchers, and for doctoral students at Monash University.

The Biostatistics Unit is actively engaged in methodological biostatistical research relevant to the solution of practical problems in clinical research such as: properties of new clinical trial designs; development of clinical prediction models; missing data issues in clinical research; causal inference from non-randomised interventions and



exposures using observational data; measurement error in exposures in observational studies; small sample methods for cluster randomised trials; spatio-temporal modelling; and methodology for complex systematic reviews. In 2016 the Unit was the recipient of both NHMRC research and collaborative grants, and conducted various workshops and short courses including Longitudinal and Correlated Data; Methods for causal inference in Epidemiology; Prediction Modelling; Survival analysis; and Introductory Biostatistics.

In 2016 the Epidemiological Modelling Unit received grants to continue some vital work in the area of public health and disease modelling. These included:

- Australian Research Council Discovery Project grant (with University of Sydney) for a large-scale computational modelling of epidemics in Australia: analysis, prediction and mitigation

- Global Fund grant for 'Tuberculosis and Malaria: Tuberculosis Modelling, the AuTuMN project'
- US National Institutes of Health grant for using community ecology theory to predict the effects of agricultural expansion and intensification

The Epidemiological Modelling Unit was also involved in the RMIT/Monash Modelling Symposium, the Neglected Tropical Disease Modelling Consortium Annual Meeting, and the American Society of Tropical Medicine & Hygiene (ASTMH) Annual Meeting.

Cochrane Australia was awarded a 2016 NHMRC Partnership Grant for its project 'Evidence Innovation: transforming the efficiency of systematic review', with Dr Julian Elliot as Chief Investigator A. It also conducted important workshops for people in the field including training for systematic review authors.

More information about the work that the Research Methodology Division undertakes can be found via the following links:

<http://www.med.monash.edu.au/epidemiology/units-centres/biostats/>

<http://www.med.monash.edu.au/epidemiology/units-centres/epimodel/>

<http://australia.cochrane.org/>

Biostatistical Consulting Platform (BCP):

<http://www.med.monash.edu.au/epidemiology/biostats-consulting/>



## HEALTH SERVICES DIVISION

Professor Peter Cameron is Head of the Health Services Division which comprises the following units: Health Services Research, Registry Sciences, Transfusion Research, Prostate Cancer Registry, Bariatric Surgery Registry, Monash Ageing Research Centre, and the Australian Breast Device Registry. Some highlights from 2016 are detailed below.

### Health Services Research Unit

- The world's largest falls prevention trial published in the British Medical Journal that indicated positive that changes in falls prevention practice occurred following the introduction of the 6-PACK program. However, no difference was seen in falls or fall injuries between groups.
- The paper (found at: <http://www.bmj.com/content/352/bmj.h6781>) generated high interest with more than 7,000 downloads in the first 30 days.

### Registry Sciences Unit

- Establishment of the Registry Sciences Unit as a multidisciplinary team that provides support to both new and existing Monash clinical registries.
- Development of a Monash Clinical Registries data dictionary with nearly 100 generic registry data elements defined.
- Development of an Inaugural Monash Clinical Registries Portfolio 2016 publication for stakeholders with information regarding our 23 registries.

### Transfusion Research Unit

- Commenced Australian recruitment to the TREATT (Trial to evaluate anti-fibrinolytic therapy in thrombocytopenia) study, a major UK-Australian collaboration.
- Secured funding for RATIONAL (Role of antibiotic therapy or intravenous immunoglobulin on infections in haematology).
- Registered the 1,000th patient on the Australian and New Zealand Myeloma and Related Diseases Registry.
- Established the Australian and New Zealand Lymphoma and Related Diseases Registry.

### Prostate Cancer Registry

- Bi-national prostate cancer registry working toward population coverage in 2017.
- A total of 12 countries contributing data to a "global prostate cancer registry" with Monash University and the UCLA co-leading the project.

### Bariatric Surgery Registry

- The BSR measures outcomes for patients who have undergone bariatric surgery across public and private hospitals in Australia.
- The registry has over 15,000 consented patients. Over 5,000 patients have reached one year of follow up and over 100 patients have reached four years of follow up.



### Monash Ageing Research Centre (MONARC)

- MONARC is a subacute facility based at Monash Health's Kingston Centre that provides Geriatric Evaluation and Management, Aged Persons Mental Health, and Rehabilitation.
- It aims to improve the quality of care and address health service delivery gaps for people with diseases associated with ageing and neurological disorders via clinician-led research and the rapid transfer of research findings into clinical management.

### Australian Breast Device Registry

- The ABDR monitors device performance, patient health outcomes and quality of surgery involving breast implants, breast tissue expanders and acellular dermal mesh.
- Achieved an important milestone in November 2016, reaching 10,000 enrolled patients.

More information about the work that the Health Services Division undertakes can be found via the following links:

Health Services Research led by Associate Professor Anna Barker <http://www.med.monash.edu.au/epidemiology/units-centres/hsr/>

Registry Sciences Unit led by Dr Susannah Ahern <http://www.med.monash.edu.au/sphpm/depts-centres-units/registries/>

Transfusion Research Unit led by Associate Professor Erica Wood <http://www.med.monash.edu.au/epidemiology/units-centres/transfusionresearch/>

Prostate Cancer Registry led by Associate Professor Sue Evans <http://www.med.monash.edu.au/sphpm/depts-centres-units/pcor-anz/>

Bariatric Surgery Registry led by Professor Wendy Brown <http://www.med.monash.edu.au/sphpm/depts-centres-units/bariatric/>

Monash Ageing Research Centre led by Professor Barbara Workman <http://www.med.monash.edu.au/sphpm/monarc/>

Australian Breast Device Registry led by Dr Ingrid Hopper <http://www.med.monash.edu.au/sphpm/depts-centres-units/abdr/>

## OCCUPATIONAL AND ENVIRONMENTAL HEALTH (OEH) DIVISION

The OEH Division had a busy research and teaching program in 2016 with various large projects on the go. The Division is comprised of the Monash Centre for Occupational and Environmental Health (MonCOEH), the Australian Centre for Human Health Risk Assessment (ACHHRA), the Aviation Medicine Unit and the Hazelwood Health Study; with Professor Malcolm Sim in the role of Division Head.

In 2016, the Queensland Government's Department of Natural Resources and Mines engaged Professor Sim, Associate Professor Deborah Glass (MonCOEH), Professor Robert Cohen (University of Illinois at Chicago) and their respective teams to undertake an independent review of the respiratory component of the Queensland Coal Miners' Health Scheme. Findings from this independent review are now being implemented and will lead to critical improvements for the health of coal mine workers.

As a part of the Hazelwood Health study, the Latrobe Early Life Followup (ELF) Study (Child Health and Development stream) and the Survey of Adults in Morwell and Sale commenced in the first half of 2016. The Older Persons Policy Review is also nearing completion. Work is well underway on Hazelinks data linkage investigating the potential long-term health effects from the Hazelwood coal mine fire, the Air Quality Assessment, and the Community Wellbeing research stream. The Hazelwood Health Study is preparing for the commencement of clinical testing as part of the Respiratory and Cardiovascular sub-cohort studies and ELF Study in 2017.

The NHMRC Centre of Research Excellence (CRE) for Population Health Research on Electromagnetic Energy (PRESEE) released several important publications around mobile phone stations and personal exposure. The CRE also hosted its second research Translation Event where PRESEE researchers presented an overview of the past and current findings arising from its research program. Practitioners in health and safety, industry, students and interested members of the general public were invited to attend this forum and to participate in a Q&A session about the health effects of mobile phone technology and radiofrequency devices.

Professor Brian Priestly from ACHHRA was engaged by the Victorian Department of Health and Human Services to undertake a review of the rapidly expanding literature around the health effects of perfluorooctanesulfonate (PFOS) and related perfluoroalkyl compounds (PFAS) and to provide regular updates in relation to this emerging environmental contaminant of concern. The Country Fire Authority's training centre at Fiskville was contaminated by aqueous film-forming foams (AFFFs) containing PFOS used for firefighting, with workers and trainees at the Centre and people off-site potentially at risk as a result of their exposures to PFOS. Professor Priestly's reviews are also assisting with the management of PFOS-contaminated sites elsewhere in Australia.



The Aviation Medicine Unit continued its highly successful short course, the Australian Certificate in Civil Aviation Medicine, a prerequisite for medical practitioners who wish to register with the Civil Aviation Safety Authority of Australia as Designated Aviation Medical Examiners.

The OEH Division also continued its support of the SPHPM International Public Health Training Fellowship program, welcoming medical trainees from Sri Lanka and Saudia Arabia for year-long traineeships.

More information about the work that OEH Division undertakes can be found via the following links:

<http://www.coeh.monash.org/>

<http://hazelwoodhealthstudy.org.au/>

<http://www.med.monash.edu.au/epidemiology/units-centres/achhra/>

<http://www.med.monash.edu.au/epidemiology/units-centres/avmed/>

## CRITICAL CARE RESEARCH DIVISION

The Critical Care Research Division is comprised of the Australian and New Zealand Intensive Care Research Centre (ANZIC-RC), the ANZCA (Australian and New Zealand College of Anaesthetists) Clinical Trials Network and the Pre-hospital, Emergency and Trauma Research (PET) Unit. Professor Jamie Cooper AO is Head of the Division and Professor Belinda Gabbe is Deputy Head.



Highlights from the Division in 2016 included:

- Associate Professor Andrew Udy, Co-Deputy Director of ANZIC-RC, was awarded an NHMRC Early Career Fellowship.
- Dr Ben Beck, Deputy Head of the PET Unit, was awarded the Royal Australasian College of Surgeons (RACS) Foundation for Surgery Brendan Dooley/Gordon Trinca Trauma Research Scholarship, for his project 'Trauma deaths in Victoria, Australia – Epidemiology and preventability'.
- Dr Janet Bray, Senior Research Fellow with Aus-ROC, was awarded the inaugural Ian Jacobs Fellowship by the Australian Resuscitation Council.
- Associate Professor Carol Hodgson, Co-Deputy Director of ANZIC-RC, was awarded the inaugural Henry Krum ECR Publication Prize for Clinical Sciences for her publication in Critical Care on 'Early mobilisation and recovery in mechanically ventilated patients in the ICU: a bi-national, multi-centre, prospective cohort study'.
- Associate Professor Neil Orford, ANZIC-RC PhD Scholar, won the Stawell Prize Award for 'Effectiveness of a care bundle to reduce central line-associated bloodstream infections' in the Medical Journal of Australia.
- Professors Paul Myles (ANZCA Clinical Trials Network) and Jamie Cooper (ANZIC-RC) had a publication in the New England Journal of Medicine, 'Stopping vs. Continuing Aspirin Before Coronary Artery Surgery'.
- Susie Cartledge, Aus-ROC PhD student, was winner of the Ian Jacobs Young Investigator Competition at the European Resuscitation Council Congress in Iceland in September 2016.
- Ralph Tramm completed his PhD on 'Short and longer term health related outcomes in patients receiving extracorporeal membrane oxygenation (ECMO)' under the supervision of Dr Dragan Ilic, Associate Professor Carol Hodgson and Associate Professor Andrew Davies.

More information about the work that Critical Care Division undertakes can be found via the following links:

ANZIC-RC  
Professor D Jamie Cooper AO, Director  
[Twitter: @anzicrc](https://twitter.com/anzicrc)  
<http://www.anzicrc.monash.org/>

ANZCA Clinical Trials Network  
Professor Paul Myles, Head  
<http://www.med.monash.edu.au/sphpm/anzca/>

Aus-ROC  
Professor Judith Finn, Director  
<https://www.ausroc.org.au/>

NHMRC Centre of Research Excellence for Patient Blood Management in Critical Illness and Trauma (Blood-CRE)  
Professor D Jamie Cooper AO, Director  
<http://www.anzicrc.monash.org/blood-cre.html>

PET Unit  
Professor Belinda Gabbe, Director  
<http://www.med.monash.edu.au/epidemiology/traumaepi/>



## MONASH CENTRE FOR HEALTH RESEARCH AND IMPLEMENTATION (MCHRI)

MCHRI is a partnership between Monash Health and Monash University, under the direction of Professor Helena Teede, that aims to undertake research and to implement and translate the generated clinical, health services and public health knowledge, underpinned by cross sector end-user engagement, to improve health outcomes. In 2016 MCHRI continued to build on successful approaches to delivering health impact through research and education.

During the year key internationally-recognised research leaders were welcomed to the Centre including:

- Professor Rick Iedema, newly appointed Monash Warwick Professor for Health Care Improvement;
- Associate Professor Lisa Moran, a leading public health and nutrition researcher and dietician;
- Professor Erwin Loh, CMO Monash Health and leading researcher on medical engagement and medical leadership; and
- Professor Jim Buttery, leading paediatric public health and epidemiology researcher.

All leaders are directly integrated into MCHRI, with research embedded within health care, building research capacity through their core research activities. MCHRI also welcomed many new staff to the research team assisting in the delivery of key initiatives across the Centre.



MCHRI continues to publish broadly across several disciplines with over ~60 manuscripts accepted for publication in 2016. The Centre also attracted independent research funding from NHMRC, ARC, Monash Health Foundation Philanthropy, government and non-government organisations.

Throughout 2016, the Centre for Research Excellence in Polycystic Ovary Syndrome (CRE PCOS) continued to work with local and international stakeholders leading the development of international guidelines for the treatment of PCOS.

Monash Diabetes, sitting across Monash Health Diabetes Unit and MCHRI diabetes research unit, is an accredited National Diabetes Centre of Excellence. We hold the government contract for the Australian National Diabetes Audit - Australian Quality Clinical Audit and this continues to grow in terms of participation and data.

The Federal Health Department has renewed the national quality contract for the next three years.

MCHRI academic staff were also recognised as leaders in their field with Professor Sophia Zoungas, Associate Professor Amanda Vincent and PhD students including Nadira Kakoly receiving coveted awards in their fields.

The postgraduate student training program, with PhD students from a variety of backgrounds including nursing, paramedic, dietetics, medicine, midwifery, health promotion, exercise physiology, and psychology continues to support students across our research interests; with additional training offered in innovation, health care improvement research and implementation into practice as well as the use of effective research communication to promote health research.

More information about the work that MCHRI undertakes can be found via the following links:

<http://www.med.monash.edu.au/sphpm/divisions/mchri/>

<http://www.pcos-cre.edu.au/>

<https://www.monashpartners.org.au/>

## SOCIAL SCIENCES DIVISION

The Division of Social Sciences is a newly-formed group of SPHPM Units. Each aims to inform public health, policy, health services, and clinical practice through social science research and education. All are multidisciplinary teams of academics and postgraduate students. Professor Jane Fisher is Head of the Division, which is comprised of the Jean Hailes Research Unit, the Michael Kirby Centre for Public Health and Human Rights, the Gambling and Social Determinants Group, the Health Services Management Unit, and Andrology Australia.

The Jean Hailes Research Unit works in partnership with Jean Hailes for Women's Health, a community-based research translation and clinical care provider. It seeks to understand and address gender-based risks to health in the social, economic, cultural and political contexts of women's lives. Projects in Australia and the Asia-Pacific region include trials of psycho-educational programs for perinatal mental health and early childhood development; and investigations of fertility management; interpersonal violence and mental health; reproductive health after cancer; and the impact of natural disasters.

In 2016, the Michael Kirby Centre for Public Health and Human Rights evaluated the HeLP (Health Legal Partnership) Legal Clinic, established at the Alfred Hospital with Maurice Blackburn Lawyers, which has provided legal assistance to more than 1,000 people since 2014. There is demand for increased access to this important service that is available to any hospital patient (and their families) with a health-related legal problem.

In collaboration with the South Eastern Centre Against Sexual Assault, a trial of an innovative justice option for victim-survivors of sexual and family violence was initiated in 2016. The Kirby Centre was successful in securing funding from the National Institutes of Health for health, ethics and the law projects in India and Myanmar.

Throughout 2016, the Gambling and Social Determinants Group investigated the influence of gambling-industry operators on political decisions; decision-making processes of a gambling regulator; structural characteristics of gambling machines in relation to addictive behaviours; community attitudes to gambling venues; gambling charitable donations; and public health interventions for gambling.

The Health Services Management Unit develops management and leadership skills in medical undergraduates and postgraduate clinicians through teaching in undergraduate and postgraduate courses. Health services research investigates health services reform, rural medical specialist workforce, patient flow in rehabilitation, management of low-acuity ambulance patients, evaluation of complex clinical interventions, and patient reported outcomes.

As a national program funded by the Commonwealth Department of Health, Andrology Australia continues to raise the awareness of male reproductive health through community health promotion, health professional education and research support.



In 2016, Andrology Australia hosted a Young Men's Health Forum in Canberra, opened by the Hon Ken Wyatt AM, then Assistant Minister for Health and Aged Care. Delegates included academics, clinicians, government and peak health organisations. In consultation with indigenous health experts, Andrology Australia also launched an online GP education course, 'Engaging with Aboriginal and Torres Strait Islander males in different primary health care settings'.

More information about the work that the Division of Social Sciences undertakes can be found via the following links:

<http://www.med.monash.edu.au/sphpm/jean-hailes/>

<http://www.med.monash.edu.au/michael-kirby/>

<http://www.med.monash.edu.au/epidemiology/units-centres/hsm/>

<https://www.andrologyaustralia.org/>

## DEPARTMENT OF FORENSIC MEDICINE (DoFM)

DoFM exists in parallel with an operational forensic medical service at the Victorian Institute of Forensic Medicine (VIFM). This is the only university in Australia with this unique arrangement, allowing DoFM to continue to advance the discipline of forensic medicine and its associated sciences through training and development of future practitioners and increasing the evidence base through research. Professor Olaf Drummer is the Department Head and Professor Noel Woodford is Deputy Head.

Major highlights during the year included substantial improvements and strengthening of the Masters in Forensic Medicine; and a number of outputs from the three research units of Health Law and Ageing Research, Drug Harm Prevention, and Injury Prevention. During 2016, DoFM produced 41 publications, of which 35 were peer-reviewed journal articles. There was one book and four book chapters. During the year 15 PhD students were either enrolled in the Department or supervised by our staff, of whom three submitted their dissertations.

In line with VIFM's strategic plan a senior research fellow role was allocated funding to strengthen the academic performance of the Institute's Forensic Services division. Dr Jennifer Pilgrim was successful in this recruitment process and commenced in her new role in late 2016. Below are highlights from the three Units in the Department.

### Health Law and Ageing Research Unit

This Unit is led by Professor Joseph Ibrahim and is responsible for education and research that prevents injury and improves health care and quality of life for older people.

Current major projects underway include: preventable deaths in aged care research; dignity of risk research; elder abuse and neglect; dementia and end-of-life care; and research programs for geriatric medicine specialists.

The Residential Aged Care (RAC) Communiqué and the Clinical Communiqué publications continued to be produced, and the Future Leaders Communiqué was added to the suite in 2016. The RAC Communiqué celebrated its 10th year of continuous publication and has published almost forty issues.

### Injury Prevention Research Unit

This Unit is led by Professor Joan Ozanne-Smith and in 2016 established a joint translational project between Monash Injury Research Institute and the Department of Forensic Medicine funded by ExxonMobil, which included the launch of a brochure entitled Ladder falls prevention, a resource for home ladder users. Ongoing advice has also been provided to the NSW Department of Health on the development of a home ladder safety website, which will promote the findings and recommendations of the Monash study.

Following-on from an earlier study, Professor Ozanne-Smith is an investigator on a University of New South Wales led ARC linkage project proposal, Use and Safety of Motorised Mobility Scooters in older people to be submitted in 2017. She was also made an Officer of the Order of Australia in the Australia Day Honours list for distinguished service to public health, particularly in the area of accident and injury prevention, to forensic medicine, and to higher education as an academic.



### Drug Harm Prevention Unit

Research in this Unit, led by Dr Jennifer Pilgrim, included a study in collaboration with toxicologists and pathologists of the VIFM on drug-caused deaths in children, which highlighted the value of the Coroner in making recommendations as a death prevention measure. Other research in 2016 included the investigation of doctor-shopping deaths around Australia, and prevalence and type of drug-related deaths in medical practitioners and other health professionals.

Dr Pilgrim also continued the "Toxicologist" project, a multinational research program with Sweden's eminent Karolinska Institute and the National Board of Forensic Medicine, developing the world's first international evidence-based reference for toxic concentrations of drugs which was launched online in 2016. She was also appointed to the Board of the Forensic and Clinical Toxicology Association (FACTA) in 2016, and continued her role as Co-Editor of the FACTA Newsletter.

Professor Drummer continued to lead activities funded through a Natural Disasters Resilience Grant on the Institute's enhanced preparedness in a variety of multi-fatality natural disasters. The project is delivering significant improvement on the detail of responses required in the event of larger scale disasters including mortuary and body management. Professor Drummer was also awarded an honorary doctorate from the University of Antwerp and the prestigious Alan Curry award for distinguished contributions to the field of forensic toxicology from the International Association of Forensic Toxicologists (TIAFT).

More information about the work that DoFM undertakes can be found via the following links:

<http://www.med.monash.edu.au/sphpm/dofm.html>

<http://www.vifm.org/>

<http://www.vifmcommuniques.org/>



## RESEARCH GOVERNANCE

In 2016, the Research Governance Committee (RGC) was Chaired by Professor Robin Bell (January – June) and Professor Sophia Zoungas (July – December), with Marina Skiba in the role of Research Governance Officer.

The purpose of the RGC is to support researchers and research students at SPHPM in the conduct of high quality research.

Research Governance at SPHPM is comprised of four elements:

- Research Governance Officer and Committee;
- Audits of research projects by the Research Governance Auditors and self-audits by the researchers;
- Induction of all new staff and students as part of the school On-Boarding initiative; and
- Education through the Good Research Practice short courses.

The Research Governance Officer, together with the RGC, provide researchers with resources, advice and assistance to ensure that the school continues to meet high research conduct standards.

Specific activities undertaken in 2016 include:

- All new staff and students complete a Research Governance module as part of the compulsory On-Boarding process.
- Providing the short course in Ethics and Good Research Practice free to new staff and students (attendance is compulsory for all new HDR students).

- Online training package in Research Ethics available for all SPHPM staff and students (completion is compulsory for all new staff).
- Sharing (with SPHPM staff at Monash Health) the delivery of the Transcelerate Accredited ICH Good Clinical Practice (GCP) training program to staff from Monash Partners. This program offers accredited GCP training, refresher training and short sessions for non-research staff to employees of Monash Partner institutions. SPHPM training is conducted by Marina Skiba and Louise Shiel who have delivered four GCP courses, two refresher courses and one short session in 2016.

- Implementation of the annual self-audit program (77% response rate) and completion of approximately 15 face-to-face short audits.
- Management of staff and student questions, issues and requests.

Committee members, Terms of Reference, RG Annual Reports, current SPHPM Guide to Good Research Practice and other relevant information can be found at:

<http://www.med.monash.edu/sphpm/research-governance-committee.html>



Research Governance Committee – Back row L to R: Ms Marina Skiba, Dr Maree Powell, Dr Elizabeth Douglas, Professor John McNeil, Dr Jayamini Illesinghe, Professor Andrew Forbes, Associate Professor Robyn Woods. Front row L to R: Dr Nupur Nag, Ms Joanna Schwarzman (HDR Representative), Professor Sophia Zoungas, Professor Allen Cheng. Absent: Dr Susannah Ahern, Professor Robin Bell, Professor Olaf Drummer, Professor Danny Liew, Professor Malcolm Sim.



# EDUCATION

- **UNDERGRADUATE TEACHING**
- **POSTGRADUATE TEACHING**
- **DOCTORAL TRAINING**
- **SHORT COURSES**



## UNDERGRADUATE TEACHING

### Bachelor of Public Health Science

The Bachelor of Public Health Science was delivered for the first time in 2016. This public health science course replaces the previous Bachelor of Health Science course, which is due to be taught out by 2018/19. Over 150 students were enrolled across both degrees, with the new Bachelor of Public Health Science degree providing students with expertise in a variety of public health disciplines including epidemiology, clinical research methods, health promotion, policy, environmental and global health.

The flexibility of the new degree enables students to pursue further studies through Honours or a PhD as well as providing them with the resources to seek employment in the diverse field of allied health. Graduates of the new program will also have a pathway into the restructured Master of Public Health program.

Website for more information of study options and subjects:

<https://www.study.monash/courses/find-a-course/2017/health-sciences-m2002>

### Bachelor of Medicine and Bachelor of Surgery (MBBS)

The School makes an important contribution to Theme 2 of the MBBS program which is called Population, Society, Health and Illness and is taught in all year levels of the undergraduate program. The five year undergraduate MBBS program runs at the Central Medical School at Clayton as well as at the Sunway campus in Malaysia. The four year postgraduate program runs at Churchill in Gippsland.

The specific aspects of teaching in Theme 2 in the five year MBBS course include:

**Year 1:** Dr Helen Ackland coordinates Health, Knowledge and Society in the first semester and Professor Robin Bell coordinates Population Health in second semester. Ms Penny Robinson coordinates the tutors for Population Health as well as contributing to the lecture program and curriculum development.

**Year 2:** Professor Robin Bell coordinates the Health Promotion program which runs in both semesters. We now also run a two week program in each semester called Prevention Science which is coordinated by Dr Basia Diug. This runs in parallel with the Rural Health program and is attended by 40 students in each semester and is delivered at the Alfred Hospital campus. Many of the senior staff from SPHPM teach into this program, which is very popular with the students.

**Year 3:** Associate Professor Dragan Ilic coordinates Evidence-based Clinical Practice which runs in both semesters and Dr David Goddard coordinates Occupational and Environmental Medicine which runs in Semester 2.

**Year 4:** Evidence Based Clinical Practice continues throughout Year 4 under the direction of Associate Professor Dragan Ilic. In Semester 1 of Year 4 Professor Just Stoelwinder coordinates Health Systems, Management and Policy. In Year 4 the students also complete an online unit in Health Economics which is coordinated by Associate Professor Duncan Mortimer from the Centre for Health Economics in the Monash Faculty of Business and Economics.

**Year 5:** Dr Helen Ackland coordinates an online module in International Health and Professor Robin Bell and Dr Fiona Jane coordinate a module on Midlife Women's Health. In 2016, a new module on Refugee Health, coordinated by Dr Helen Ackland, was being devised and is expected to commence in 2017.

The MBBS program at Monash will transition to an MD program commencing in 2017. The change to an MD will involve the students completing an online module in research methods in the first semester of Year 3 (developed by Dr Basia Diug). Students will also complete a scholarly intensive rotation in Year 5, based either in their home clinical school or through another school such as SPHPM or Primary Health Care.

### Bachelor of Biomedical Science (BMS)

SPHPM's 'BMS1042: Biomedical Science and Society' is the School's biggest core biostatistics and epidemiology undergraduate unit, with 585 students enrolled in 2016. Unit Coordinator Dr Basia Diug continues to incorporate innovative teaching methods, such as Q&A panels, to ensure that students are reaping the best benefits and are engaged across the module. The unit embraced a 'partners in teaching approach' between staff and students, with weekly polls on current public health topics, giving the students opportunities to express their view and thoughts on relevant topics in the field.

In 2016, a new 12-point capstone unit was led by SPHPM – 'BMS3052: Biomedical basis and epidemiology of human disease' taught 348 students in 2016. This unit develops key research skills in the BMS cohort by having students complete a systematic review and critically appraise evidence. This is in addition to the existing elective 'BME3032: Introduction to the Health System'.

## SPHPM Summer Vacation Program

Twenty students completed the Summer Vacation Program in 2016. This is a competitive one-month scholarship program offered by SPHPM. Students involved are completing degrees in the Bachelor of Biomedical Science, Bachelor of Health Science and the Bachelor of Medicine and Surgery. Each student works closely with a senior researcher, completing a small research project or working with existing research being undertaken by the relevant department.

As part of the program, students get to visit the Victorian Institute of Forensic Medicine and the Alfred Hospital's Emergency Department and Intensive Care Unit. Students are also able to attend the many seminars and events hosted by the School. In 2016, Tiana Moutafis, Sasha Hall, Ed Cheong and Ellie Tsiamis from the program were filmed with Associate Professor Ken Harvey for a story on complementary medicines by the Four Corners program on the ABC.

Feedback from the program continues to be very positive, with students enjoying the chance to experience research first hand and improving their clinical, statistical and research skills. Students are also able to better understand the several career pathways open to them in medicine and health.

## Undergraduate and Graduate Entry Medical Law Programs

The Department of Forensic Medicine within SPHPM teaches medical law to undergraduate students enrolled in the MBBS. The content encompasses 10 different fields of law which are associated with clinical practices. The tutorials have included various professionals including medical lawyers (40-60 in total), staff from the Victorian Institute of Forensic Medicine (VIFM) and clinicians who offer their expertise and experience each year for this program. Mrs Jo-Anne Mazzeo, as a contributing lawyer since the program's inception, accepted the role of Co-Convenor in 2016 to support Associate Professor David Ranson as Convenor. The Program encompasses topics such as negligence in clinical practice, mental health legislation and organ and tissue donation.

## Forensic Evidence: Law, Science, Medicine and Technology Unit

For 24 years, the Department of Forensic Medicine and the Faculty of Law have jointly taught an undergraduate law unit, formerly known as 'Elements of Forensic Medicine' and renamed 'Forensic Evidence: Law, Science, Medicine and Technology' in 2015. In 2016, Professor Stephen Cordner and Emeritus Professor Louis Waller, who have taught the unit since its inception, handed over the reins to Jamie Walvisch, Lecturer in the Faculty of Law, and Anna Davey, Adjunct Lecturer in the Department of Forensic Medicine.

The unit has contributions from a number of visiting lecturers, especially from the Victoria Police Forensic Services Department. This is an optional subject in the law course (and one that few universities have available) and introduces law students to the realities of forensic science and medicine which are somewhat removed from the powerful and potentially misleading influence of NCIS and related television dramas.

## Medical Education Research and Quality (MERQ) Unit

The MERQ unit has a strong focus on pedagogical research in medical and health education alongside teaching in clinical, biomedical and health science disciplines. The MERQ unit coordinates and conducts studies across all facets of medical education including unit/course development, methods of learning, assessment, accreditation, training and evaluation.

Major projects in 2016 included:

- Research examining the effectiveness of various delivery modes, assessment techniques and technology in health professional education;
- Evaluating the cost and value of health professional education;
- Professional development through the Teaching Associate Coaching (TAC) program; and
- Development of public health teaching resources through an e-book interface.

In 2016, the MERQ team also received project funding from the Monash Teaching & Learning Fund, MBBS development grants and the Monash Education Academy. The Unit continued to promote capacity building through its involvement with the SPHPM Summer Vacation Program.

<http://www.med.monash.edu.au/epidemiology/merq/>

## HONOURS STUDENT PROFILE

### ZACH O'BRIEN



“The School is incredibly supportive with plenty of staff happy to give advice – I’d like to thank all the staff at SPHPM for making me welcome throughout the year.”

Zach O’Brien joined the Australian and New Zealand Intensive Care Research Centre (ANZIC-RC) within SPHPM in 2016 for a Bachelor of Medical Sciences (Honours), following four years of the Bachelor of Medicine, Bachelor of Surgery (MBBS).

Zach worked under the supervision of Professor Jamie Cooper, Professor Dinesh Varma and Lynne Murray and was specifically investigating whether early cooling of patients with severe traumatic brain injuries is associated with an increase in the amount of intracranial bleeding.

Zach said that undertaking an honours year with SPHPM came highly recommended and was a great opportunity to improve his research skills and broaden his perspective of medicine.

“The year certainly lived up to these expectations and also allowed me an opportunity to have more exposure to my specialty of interest, intensive care,” Zach said.

Most days Zach was engaged with working on his honours project, entitled ‘The Effect of Prophylactic Hypothermia on Traumatic Brain Injury Haemorrhage Progression’. This typically involved analysing brain scans and reading publications related to his research topic. He also worked part-time as a clinical epidemiology tutor and as a research assistant with the Registry Sciences Unit.

“The greatest benefit of completing a project with the SPHPM has been the exposure to leading world experts, both School staff and eminent academics from around the world who visit regularly.

Completing my project with SPHPM also gave me the invaluable opportunities to tutor and work as a research assistant. In addition, I was able to get involved with other research projects which gave me more variety in my work,” Zach said.

In 2017 Zach will be returning to complete his final year of the MBBS, and hopes to remain involved with several projects at SPHPM. His advice to anyone considering doing their honours year with SPHPM is to immerse yourself in the School so you can get the most out of the year and from the staff.



## POSTGRADUATE TEACHING

### Postgraduate Courses by Coursework

In 2016 the Department of Epidemiology and Preventive Medicine (DEPM) offered postgraduate courses by coursework in Public Health, Biostatistics, Clinical Research Methods, Health Services Management, International Health, Occupational and Environmental Health.

Overall our course enrolment numbers continued to grow with over 670 postgraduate students enrolled in DEPM postgraduate courses by coursework; 215 of these were enrolled in one of the two new online Masters programs introduced in 2014. Sixty postgraduate units were taught across various teaching periods, mainly in online plus block mode, online or in day mode.

In 2016 a number of our courses underwent their five year review. This was a very successful exercise that involved the hard work of a large number of committed staff. The review enabled us to identify a number of opportunities in the postgraduate teaching area. We were able to build on this review and restructure our courses to offer different entry points to potential students based on their previous academic and professional experience. We are confident that this will offer students flexibility and enhance the teaching experience for our students.

### Public Health

The Master of Public Health (Multi-modal) remains the most popular program within SPHPM, providing the full range of quantitative, analytical and communication skills necessary to work in the broad domain of public health through core units and a range of electives in a flexible program. It also provides skills in the quantitative methods of the population based health sciences and their problem solving application for primary care provision within Australia and globally.

The Master of Public Health (Multi-modal) fulfils the core discipline requirements for the Australasian Faculty of Public Health Medicine, Royal Australasian College of Physicians. The Master of Public Health (Online) is the online program consisting of 12 core units taught in six week teaching periods which commenced in mid-2014.

### Health Services Management/ Health Administration

The Master, Graduate Diploma and Graduate Certificate of Health Services Management provides professionals currently in, or seeking to be in, middle and senior health care management positions with the theoretical knowledge base to expand their knowledge and skills in the management of health services.

This course caters for the special needs of medical and general hospital administrators, clinical doctors, quality assurance managers, team leaders, senior nursing administrators, unit managers and a range of general task coordinators within the health care system. The Master of Health Administration (Online) is the online program consisting of 12 core units taught in six-week teaching periods that commenced in mid-2014. Both these Public Health courses are accredited by The Australasian College of Health Service Management (ACHSM).

### Biostatistics

The Master, Graduate Diploma and Graduate Certificate in Biostatistics courses are taught as part of a national consortium of universities known as the Biostatistics Collaboration of Australia (BCA).

This course provides a sound understanding of the theory and application of biostatistics relevant to professional practice and will assist the acquisition of skills and experience in complex statistical analyses, identifying and implementing appropriate statistical methodology, communicating biostatistical results and understanding biostatistical literature. The Master course develops the technical skills for commencement in a professional career as a biostatistician.

### Clinical Research Methods

The Master, Graduate Diploma and Graduate Certificate in Clinical Research Methods facilitate the development of a range of analytical and communication skills necessary to work in the broad domain of clinical research and practice. The course enables health professionals to develop a detailed understanding of biostatistics, epidemiology, data management, ethical practice, systematic reviews and meta-analysis, and critical appraisal of the scientific literature for application in research and clinical practice.

Taught by some of Australia's leading clinical academics, the curriculum is designed for those seeking to balance the demands of a busy workflow with the need to engage in further professional development. Structured around a mixture of online educational delivery and face-to-face block days, the course provides a level of detailed engagement that is also flexible. Block days are delivered at the Alfred Hospital, a major teaching hospital in inner-city Melbourne.

### International Health

The Master and Graduate Diploma in International Health courses are offered in collaboration with SPHPM's Michael Kirby Centre for Public Health and Human Rights and the Centre for International Health at the Burnet Institute. These courses provide the skills necessary to design, implement and evaluate the relevant programs that address the major public health priorities of communities in developing countries.

In 2016, the Centre was successful in both its applications to the United States National Institutes of Health for programs to be conducted in India and Myanmar intended to develop capacity in health and research ethics.

### Occupational and Environmental Health

The Master, Graduate Certificate and Graduate Diploma in Occupational and Environmental Health courses provide workplace professionals with the skills and knowledge to prevent and manage occupational risks and related health problems. The course also provides health professionals with the skills necessary to evaluate health problems in communities thought to be associated with industrial activities, and control related hazards and risks.

It is particularly suitable for medical practitioners, nurses, allied health personnel, scientists and occupational health and safety managers. The Master and Graduate Diploma are accredited by the Australian Occupational Health Safety Education Accreditation Board (AOHSEAB) and recognised by Australasian Faculty of Occupational and Environmental Medicine (AFOEM) and Royal Australian College of General Practitioners (RACGP) points can be applied for annually.

### Forensic Medicine

In 2016, the Master of Forensic Medicine underwent significant changes, and for the first time the course has been divided into three distinct specialisations – Clinical Forensic Medicine, Forensic Odontology, and Forensic Medical Science. The three specialisations will have common core units and a series of electives pertaining to each discipline. The Forensic Medical Science stream is entirely new and will include a suite of new units currently in development on topics including forensic toxicology and pharmacology, quality management in forensic science, forensic imaging, and mortuary technical science.

Some current units are being revised to ensure that they are suitable for a wider forensic scientific audience and all units have been re-graded to AQF Level 5 masters units. The learning outcomes for all units have been updated to reflect this change.

### The International Public Health Training Program

SPHPM trains doctors and dentists from overseas to take-up senior roles in public health in their home country. The program continued to grow in 2016 with three new trainees from Saudi Arabia engaged in the program. The visiting doctors undertook research in the areas of Occupational Health, Emergency and Trauma, Infectious Diseases and Health Services Research. As part of their training program they visited a number of public health organisations which included Ambulance Victoria, Heart Foundation, Cancer Council, Baker IDI and the Alfred Hospital. The School thanks these organisations for their ongoing support hosting this program. This program has been running for over 10 years within the School and is coordinated by Dr Jay Illesinghe and Ms Sharon Gurry.

## 2016 HIGHLIGHTS

- Continued growth in overall course enrolment numbers.
- New International students enrolled from the following countries: Brazil, Canada, Indonesia, Japan, Papua New Guinea, Saudi Arabia and UAE.
- Postgraduate courses were reviewed and transitioned through Course Architecture resulting in the following changes effective from 2017:
  - Master of Public Health (Multi-modal) course converted to a 96 credit point Masters with three entry levels and Graduate Diploma or Graduate Certificate exit options.
  - Master of Clinical Research Methods has two entry points and exit options of Graduate Diploma or Graduate Certificate. There was also the introduction of compulsory 12 credit point project.
  - Master of Occupational and Environmental Health and the Graduate Diploma Occupational and Environmental Health have two entry points with the Graduate Diploma or Graduate Certificate being an exit option.
  - Master of Biostatistics and Graduate Diploma of Biostatistics have two entry points with the Graduate Diploma or Graduate Certificate being an exit option.
  - The Master and Graduate Diploma in International Health will go into teach out phase with no new students being admitted in 2017.
- The appointment of a Director of Teaching and Learning, Associate Professor Dragan Ilic.
- Increased marketing of our postgraduate courses.
- The first group of course completions from the online programs commenced in 2014 – these were the Master of Public Health (10) and the Master of Health Administration (10).

Course Title	Student Course Enrolments	Student Course Completions
Master of Public Health (Multimodal)		
Master of Public Health (Online)		
<b>Total</b>	<b>309</b>	<b>67</b>
Master of Biostatistics		
Graduate Diploma in Biostatistics		
Graduate Certificate in Biostatistics		
<b>Total</b>	<b>35</b>	<b>10</b>
Master of Clinical Research Methods		
Graduate Diploma of Clinical Research Methods		
Graduate Certificate of Clinical Research Methods		
<b>Total</b>	<b>26</b>	<b>11</b>
Master of Forensic Medicine		
<b>Total</b>	<b>51</b>	<b>6</b>
Master of Health Services Management (Multimodal)		
Master of Health Administrative (Online)		
Graduate Diploma in Health Services Management		
Graduate Certificate in Health Services Management		
<b>Total</b>	<b>239</b>	<b>57</b>
Master of International Health		
Graduate Diploma in International Health		
<b>Total</b>	<b>28</b>	<b>9</b>
Master of Occupational & Environmental Health		
Graduate Diploma in Occupational & Environmental Health		
Graduate Certificate in Occupational Health		
<b>Total</b>	<b>40</b>	<b>10</b>
<b>Total postgraduate course enrolments and completions</b>	<b>728</b>	<b>170</b>

Website: [www.med.monash.edu.au/sphpm/postgrad/](http://www.med.monash.edu.au/sphpm/postgrad/)

## HIGHER DEGREES BY RESEARCH (HDR)

The SPHPM HDR program trains health professionals for senior careers in public health in Australia and overseas. The program has students from many academic backgrounds including medicine, science, physiotherapy, public health, psychology, nursing, social science and various others.

Student progress is facilitated by a very strong research environment that includes a broad program of NHMRC funded projects and access to extensive infrastructure. Guidance is provided and from experienced supervisors in many areas of public health and clinical research including biostatistics and data management.

Our HDR numbers have trebled in the last 10 years. In 2016, the SPHPM HDR program included 197 students overall, of whom about 95 per cent were undertaking a PhD and 5 per cent a Master's degree by research. The program attracted students both domestically and internationally (Australia/NZ ~75 per cent and overseas ~15 per cent), the latter student cohort coming from 18 countries: Bangladesh (7), Canada (1), China (1), Croatia (1), Ethiopia (6), Ghana (2), India (2), Indonesia (2), Iran (2), Jamaica (1), Malaysia (1), Mongolia (2), Myanmar (1), Nepal (3), Papua New Guinea (1), Saudi Arabia (1), UK (1) and Vietnam (5).

Dr Elizabeth Douglas, HDR Program Coordinator, oversees a tight program of milestone reviews to ensure that projects are innovative and feasible, and to monitor student progress. She also provides pastoral support for students facing challenges. Ms Natalie Pekin manages the administrative load, assisted by Ms Pamela Butt.

Support is also provided by the Good Research Governance Coordinator, who can advise HDR students on the development of protocols and adherence to strict research guidelines.

At the end of 2016, HDR students numbered 175, of whom 51 were new enrolments, 25 passed, one withdrew and one lapsed. Of the 25 who passed, 16 per cent passed with no amendments. Thesis topics at SPHPM continue to cover a wide range of clinical research and public health topics, relevant to both Australia and overseas regions. Some 2016 passing thesis topics include:

- Health effects of bushfire smoke exposure
- Scalp melanoma: Clinical and histological features, mortality and prognostic factors
- Examining the burden of diabetes and hypertension in urban areas in Zimbabwe
- Polypharmacy in the heart failure patient: are all the prescribed drug classes required?
- Undertaking and using health service evaluations in the field
- Prevention of HIV in Victoria's vulnerable populations: The impact of early and regular testing
- Abuse-related deaths in community-dwelling older Australians
- Towards optimal diabetes care in patients with Type 2 diabetes and chronic kidney disease
- The physical and psychological outcomes following burn injury: A 12-month follow-up study
- Longitudinal examination of multiple symptom reporting in Australian veterans of the 1990-1991 Gulf War

### Awards received by Doctoral Students in 2016

#### Chhavi Raj Bhatt

Monash Postgraduate Travel Grant to attend the annual joint meeting of the Bioelectromagnetics

Society and the European BioElectromagnetics Association, Ghent, Belgium

#### Oliver Black

Monash Postgraduate Travel Award for EPICOH Scientific Committee on Epidemiology in Occupational Health Conference, Barcelona, Spain

Early Career Researcher scholarship to attend EPICOH Scientific Committee on Epidemiology in Occupational Health Conference, Barcelona, Spain

Third prize, 'Sell Your Disease' Oral Presentation category, AMREP Early and Mid-Career Researcher Conference

#### Miranda Blake

Australian Health Economics Society Conference Doctoral workshop-award for best presenter

Dietitians' Association of Australia ICD-LEAP travel grant, International Congress of Obesity (ICO), Vancouver, Canada

#### Sharmayne Brady

European League Against Rheumatism (EULAR) travel grant, Annual European Congress of Rheumatology, London, UK

#### Susie Cartledge

Australasian Cardiovascular Nursing College, Best Research Paper

2016 Higgins Certificate of Achievement

Ian Jacobs Young Investigator Award, European Resuscitation Council

#### Dr Wei-Ling Chiu

Australian Postgraduate Award

Monash Clinical Academic Training Fellowship

CRE Polycystic Ovary Syndrome PhD Scholarship

Finalist, RACP Best Poster Award

International Menopause Society Bursary

#### Louise Francis

Australian Postgraduate Award  
SPHPM Travel Grant

#### Pragya Gartoulla

The Maturitas Elsevier New Investigator Award

#### Carole Lunny

Australian Postgraduate Award

Monash International Postgraduate Research Scholarship

SPHPM Travel Award

Monash Postgraduate Travel Award, Cochrane Colloquium, Seoul, Korea

#### Briony Murphy

The Arthur Everitt Award – Australian Association of Gerontology Conference

Finalist, Victoria University Research Impact Award, 2016  
Victorian Young Achiever Awards.

Bursary award to attend the 2016 Emerging Researchers in Ageing Conference

#### Winda Liviya Ng

The Harold Mitchell Travelling Fellowship and Monash Postgraduate Travel Grant, for finalizing a collaborative project with the Karolinska Institute in Stockholm, Sweden; and for travelling to the International Congress on Obesity, Vancouver, Canada

#### Tu Nguyen

Australian Postgraduate Award

#### Rebecca O'Hara

Australian Postgraduate Award

#### Minh Pham

Australian Postgraduate Award

Victorian International Research Scholarship

#### Andre Rodrigues

Early Career Researcher Presentation First Prize Award

Mary MacKillop Institute for Health Research Travel Grant

#### Samantha Rowbotham

Australian Postgraduate Award

SPHPM Travel Grant

#### Stella Samoborec

Capital Markets Cooperative Research Centre Doctoral Scholarship



### Marina Skiba

Australian Postgraduate Award

### Claire Tipping

Royal Perth Hospital Medical Research Foundation Grant

### Amanda Wade

NHMRC PhD Scholarship

### Suzanne Willey

Cabrini Health PhD scholarship

### Yohanes K Windi

Australian Postgraduate Award  
Monash International Postgraduate Research Scholarship  
SPHPM Travel Grant

### Cassandra Wright

Monash Postgraduate Travel Award

First prize, SPHPM heat, Monash University Three-Minute Thesis Competition

Second Prize, Faculty heat, Monash University Three-Minute Thesis Competition

People's Choice Award, Faculty heat, Monash University Three-Minute Thesis Competition

First Prize, Burnet Institute Student Symposium

Second prize, 'No Bell Prize' Oral Presentation category, AMREP Early & Mid-Career Researcher Conference

## HDR STUDENT PROFILE / CASSANDRA WRIGHT

PhD candidate Cassandra Wright has had a long history with SPHPM and credits her Bachelor of Health Science lecturers for inspiring her to pursue a career in public health research. She began her PhD in 2013, following on from Honours in 2011 where she was awarded the Monash University Health Science Honours Prize for her health and sustainability project on a small developing community in Rote Island, Indonesia. From here, Cassandra has gone from strength to strength in the world of public health research.

"My PhD examines the use of new media, such as mobile phones and social media, for health promotion and behaviour change; particularly mobile phone interventions for reducing risky drinking and alcohol-related harm in young people," Cassandra said.

"I've been working on development of new interventions, as well as trying to figure out how our research can translate to real-world change both locally and globally."

Before commencing her PhD, Cassandra was working at SPHPM as a research officer with the Monash Centre for Occupational and Environmental Health on the WorkHealth study on workplace health promotion, and the MOBI-KIDS study on

radiation exposure and brain cancer. She has also been a tutor since 2012, teaching into the Bachelor of Health Science.

Cassandra's research has garnered wide media interest and findings from the pilot study helped her secure a VicHealth Innovations grant for \$100,000 and a community grant for \$35,000 from Gandel Philanthropy to test the intervention that she developed. Her team was also successful in the most recent round of NHMRC Project Grants, securing over \$400,000 to run a large randomised controlled trial of her intervention.

In 2016, Cassandra was also the recipient of various awards for her PhD research including the SPHPM Excellence Award for Outstanding Contribution to the Doctoral Program, First Prize in the SPHPM round of the Three Minute Thesis competition, Second Prize and People's Choice Award in the Faculty round of the Three Minute Thesis competition and First Prize for Burnet Institute Student Symposium PhD Oral Presentations. These accolades are testament to Cassandra's commitment, drive and passion for her chosen field of public health research. Her intervention was also nominated for a VicHealth Award in 2016.

Further evidence of her drive and commitment is Cassandra's role as Student Representative on the Faculty of Medicine, Nursing and Health Sciences Graduate Research Committee and as the AMREP Student Activities Officer for the Monash Postgraduate Association. Not forgetting her supervision role of honours and Masters students.

"My key advice for PhD students would be to seek support as soon as you're feeling overwhelmed - from your supervisors, fellow students, MGE and Monash counselling services. I've learnt on a lot of people to get through my PhD."

Sage advice from a very active student and member of the SPHPM community.

Cassandra will submit her PhD in the first half of 2017 and is hoping for an Early Career Fellowship which would start in 2018. She will be working at the Burnet Institute running the aforementioned NHMRC-funded study and also tutoring for SPHPM.

"I'm committed to staying in the field of young people's health, and looking at the application of this work to high-risk sub-populations."



## SHORT COURSES

SPHPM ran 28 short courses in 2016, showcasing the diverse expertise of researchers in the School. The program focuses on intensive learning for professional development purposes, with course delivery ranging from self-paced, didactic, and hands-on style; even including flying a 737 flight simulator. Below is a summation of the dynamic short courses program that was delivered throughout the year.

Course Title and Convenor	Description
<b>Australian Certificate of Civil Aviation Medicine (ACCAM)</b> Associate Professor David Newman 4-15 July 2016; 14-25 November 2016	This two week course qualifies medical practitioners to register with the Civil Aviation Safety Authority as Designated Aviation Medical Examiners (DAMEs).
<b>Biostatistics for Clinical and Public Health Research</b> Dr Baki Billah 25, 26 and 28 July 2016; 3, 4 and 6 October 2016	This course allows students to perform statistical analyses, report their findings and interpret results.
<b>Ethics and Good Research Training</b> Ms Marina Skiba 7 July 2016; 2 September 2016	This short course provides participants with an understanding of what constitutes good practice in research and what factors make research ethical or unethical.
<b>Good Clinical Practice</b> Ms Marina Skiba, Ms Louise Shiel, Mr Peter Midolo, Ms Cherl-Ann Hawkins 15 September 2016; 16 September 2016; 13 October 2016 10 November 2016; 21 November 2016; 14 December 2016 15 December 2016	This TransCelerate accredited Good Clinical Practice (GCP) short course provides participants with an understanding of the requirement of ICH GCP and an awareness of how to conduct a study in accordance with ICH GCP. Suitable training in this area is expected by pharmaceutical companies that initiate commercially sponsored clinical trials, and this course is recognised as acceptable for this purpose.
<b>Refresher ICH Good Clinical Practice</b> Ms Marina Skiba 7 November 2016; 24 November 2016	This course is available to staff who have previously completed GCP training and can provide evidence of course completion within the last three years.
<b>Health Promotion</b> Ms Ruth Klein, Ms Micaela Drieberg 15-18 November 2016	This five-day course for health practitioners develops knowledge and skills for health promotion planning, strategy selection and evaluation.
<b>Introduction to Data Analysis: SPSS Without Tears</b> Dr Baki Billah 13-14 October 2016	This short course involves students using SPSS for data analysis. Students have the opportunity to analyse real life medical data and supports for results discussion and conclusion.
<b>Introduction to Stata</b> Ms Pam Simpson 17 March 2016; 5 August 2016	This course provides an introduction to the statistical analysis software program, Stata Release 13, covering basic data management issues and popular epidemiological analyses.
<b>Introduction to Systematic Reviews of Health Interventions</b> Ms Kelly Allen 1-2 August 2016	Students in this course receive a detailed introduction to the methods involved in conducting a systematic review of an intervention, and enable participants to plan and commence a review of their own.
<b>Qualitative Research Methods for Public Health</b> Dr Darshini Ayton 15, 16 and 18 February 2016; 22, 23 and 25 August 2016	The aim of this short course is to introduce participants to the theories, concepts and practice of qualitative research.
<b>Monash Certificate in Clinical Occupational Medicine</b> Dr David Fish 15-19 June 2015	A short course designed for occupational medicine trainees and GPs who assess patients with work-related problems. The course objectives include (but are not limited to) providing the knowledge and skills necessary to diagnose occupational diseases, perform medical assessments, and write a medicolegal report.
<b>Monash Certificate in Environment Medicine</b> Professor Malcolm Sim 22-26 February 2016	The Monash Certificate in Environmental Medicine is a short course designed to strengthen the ability of doctors and other health professionals to address health relevant environmental issues related to industrial activity.
<b>Optimising exercise programs for older people to improve balance and prevent falls</b> Renata Morello, Dr Darshini Ayton, Dr Sze-Ee Soh 4 July 2016	Engaging and sustaining older people's participation in falls prevention exercise programs is a continual challenge for health and fitness professionals. This course has been developed by leading falls prevention researchers and health professionals to address such challenges.
<b>Overview and Update in Travel Medicine</b> Professor Karin Leder 8-9 September 2016	This course provides practical guidance on management of travellers before and after travel with a focus on pre-travel vaccines, management of malaria chemoprophylaxis, and other common travel-associated health issues.
<b>Survival Analysis with Stata</b> Professor Rory Wolfe 17 August 2016	This course provides a thorough introduction to basic survival analysis concepts and methods, and to cover selected advanced issues.

Enquiries regarding the Short Course Program should be directed to the SPHPM Professional Education Programs Manager, Suzy Giuliano: suzy.giuliano@monash.edu.

# STAFF







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### Deputy Head of School

Prof Michael Abramson MBBS (Hons), BMedSc (Hons), PhD, FRACP, FAFPHM

### School Executive

Prof Robin Bell MBBS (Hons), PhD, MPH, FAFPHM, Cert Health Econ, Grad Cert Health Prof Educ [Head, MD Course]

Prof Peter Cameron MBBS, MD, FACEM, FIFEM, FCEM (Hon) [Head, Health Services]

Prof Flavia Cicuttini MBBS (Hons), MSc, PhD, DHTM, FRACP, FAFPHM [Head, Postgraduate Courses]

Prof D Jamie Cooper AO, BMBS, MD, FRACP, FCICM, FAHMS [Head, Critical Care Research]

Prof Susan Davis MBBS, FRACP, FACBS, PhD [Chair, Research Committee]

Prof Olaf Drummer BAppSc, PhD, CChem, FACBS, FRCPA, FFSC, Dr hc [Head, Forensic Medicine]

Prof Jane Fisher BSc (Hons), PhD, MAPS [Head, Social Sciences]

Prof Andrew Forbes BSc (Hons), MSc, PhD, FACS, FAAAA [Head, Research Methodology]

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Prof Malcolm Sim BMedSc, MBBS, MSc, GDipOccHyg, PhD, FAFOEM, FAFPHM, FFOM [Head, Occupational and Environmental Health]

Prof Helena Teede MBBS, FRACP, PhD [Head, Monash Centre for Health Research and Implementation (MCHRI)]

Prof Noel Woodford MBBS, LLM, DMJ (Path), FRCPA, FRCPATH [Deputy Head, Forensic Medicine]

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Ms Mimi Morgan BA, MBM [Executive Group Manager]

### Heads of Departments/Centres/Units

Prof Michael Abramson MBBS (Hons), BMedSc (Hons), PhD, FRACP, FAFPHM [Hazelwood Health Study]

Dr Susannah Ahern MBBS (Hons), MBA, FRACMA, PhD [Registry Sciences Unit]

A/Prof Anna Barker BPhysio, MPhysio (Geriatrics), PhD [Health Services Research]

Dr Jacqueline Boyle PhD, FRANZCOG, MPH&TM, MBBS [Indigenous and Refugee Women's Health]

Prof Wendy Brown MBBS (Hons), PhD, FRACS, FACS [Bariatric Surgery Registry]

Prof Rachele Buchbinder MBBS (Hons), MSc (Clin Epi), PhD, FRACP [Cabrini Epidemiology]

Prof Jim Buttery MBBS, MSc, MD [Paediatric Epidemiology]

Prof Allen Cheng MPH, PhD, FRACP, Grad Dip (Clin Epi), MBBS [Co-Director, Infectious Diseases Epidemiology]

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Prof D Jamie Cooper AO, BMBS, MD, FRACP, FCICM, FAHMS [Intensive Care]

Prof Susan Davis MBBS, FRACP, FACBS, PhD [Women's Health Research Program]

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Prof Sally Green PhD, PGDipPhty, BAppSc (Physio) [Co-Director, Cochrane Australia]

Dr Ingrid Hopper MBBS, BMedSci (Hons), PhD, FRACP [Australian Breast Device Registry]

Prof Joseph Ibrahim MBBS, GradCertHigherEd, PhD, MRACMA, FAFPHM, FRACP [Health Law and Ageing Research]

Prof Rick Iedema PhD [Implementation and Healthcare Improvement]

A/Prof Dragan Ilic BSc, GDipRepSci, MRepSci, PhD, GCHPE [Medical Education Research and Quality (MERQ)]

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A/Prof Bebe Loff BA, LLB, MA (Medical Law and Ethics), PhD [The Michael Kirby Centre]

Clin Prof Erwin Loh MBBS, LLB (Hons), MHSM, MBA, PhD, FAIM, FCMI, FAICD, FACLM, FCHSM, FRACMA [Clinical Leadership and Management]

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Ms Linda Raineri	Miss Stephanie Tanamas	Ms Afsana Afroz	Mr Richard Fernandez
Dr Supriya Krishnan	Ms Mable Taoi	Ms Marliese Alexander	Dr Andrew Flint
Ms Rathi Ramanathan	Ms Oana Tatucu	Mr Mohammed Alramadan	Ms Faye Forbes
Miss Rhea Reigas	Dr Peter Taylor	Dr Frances Ampt	Ms Louise Francis
Dr Florence Reith	Ms Tracy Taylor	Miss Laura Anderson	Ms Adelle Gadowski
Dr Anthony Rixon	Ms Margherita Teasdale	Ms Thathya Venu Ariyaratne	Ms Daye Gang
Ms Jo Roberts	Ms Basilie Teoh	Ms Sarah Arnup	Dr Dashiell Gantner
Mrs Laura Robson	Dr Jayakrishnan Thavody	Ms Sarah Ashton	Ms Pragya Gartoulla
Mr Ron Rose	Dr Nethmini Thenuwara	A/Prof Eugene Athan	Ms Emma Gearon
Mr Sasha Roshan-Zamir	Mr Kurian Thomas	Ms Mahnaz Bahri Khomami	Dr Katherine Gibney
Ms Danielle Rossetti	Miss Katherine Thorn	Mr Dimitri Batras	Dr Neil Glassford
Ms Kathy Rowan	Dr Ralph Tramm	Mr Estifanos Baye	Ms Rebecca Goldstein
Ms Amber Rucinski	Miss Jenny Tran	Dr Nicola Beamish	Ms Kelsey Grantham
Miss Jennifer Ryan	Ms Emily Trevorrow	Prof Rinaldo Bellomo	Ms Stella Gwini
Mr Don Samaranayake	Mr Patrick Ty	Mr Chhavi Bhatt	Ms Nyssa Hadgraft
Dr Peter Satterthwaite	Dr Andrew Underhill	Mr Oliver Black	Dr Anjali Haikerwal
Dr Linda Schachter	Dr Allison Van Lint PhD	Ms Rebecca Blackmore (Wilson)	Mr Berhan Haile
Dr Julian Segan		Ms Miranda Blake	Ms Jessica Harding

Dr Rowena Hare  
A/Prof Claire Harris  
Ms Christina Heris  
Dr Lisen Hockings  
Dr Ingrid Hopper  
Dr Emdad Hoque  
Mr Soe Htet  
Mr Molla Huq  
Mr Rakibul Islam  
Mrs Sara Ivory  
Ms Maggie Johnson  
Mrs Amanda Johnson  
Dr Nadira Kakoly  
Dr Nazmul Karim  
Ms Valerie Kay  
Mrs Nicole Kellow  
Miss Sherrie Kelly  
Ms Briohny Kennedy  
Mr Devaang Kevat  
Ms Goma Khatri  
Mr Philip Kiely  
Ms Lara Kimmel  
Ms Chebiwot Kipsaina  
Mrs Ruth Klein  
Ms Naomi Komadina  
Mr Digsu Koye  
Mr Prabhat Lamichhane  
Ms Adina Lang (Heilbrunn)  
Ms (Thi Hong) Minh Le  
Ms Yuan Zhi Lim  
Dr Clement Lo  
Dr Jessica Lockery  
Dr Ian Loh  
Mrs Carole Lunny  
Miss Ruth Magaye  
Ms Alison Markwick  
Ms Julie Martin  
Dr Tafireyi Marukutira  
Mr Steven Mcdonald  
Mr Peter Mcglynn  
Dr Sarah Mcguinness  
Ms Judith Mcinnes  
Ms Angela Melder  
Mr Yayehirad Melsew  
Dr Charles Milne  
Mrs Ladan Mohammadi Yeganeh  
Ms Renata Morello

Mr Benedict Morgan  
Ms Rebecca Morris  
Mrs Natasha Morris (Franklin)  
Mr Christopher Morrison  
Ms Aya Mousa  
Ms Hayley Mowat  
Miss Briony Murphy  
Ms Mutsa Mutowo  
Dr Negar Nadeppoor  
Ms Nusrat Najnin  
Ms Dhanya Malandkar Nambiar  
Dr Natalie Nanayakkara  
Mr Ziad (Zee) Nehme  
Ms Winda Ng  
Ms Tu Quan Nguyen  
Mrs Trang Nguyen  
Ms Quynh Anh (Anna) Nguyen  
Ms Bridgid O'Brien  
Mr Tom O'Dwyer  
Mr Richard Ofori-Asenso  
Miss Rebecca O'Hara  
Mr Daniel O'Keefe  
Ms Geraldine Ooi  
Dr Neil Orford  
Miss Belinda O'Sullivan (Walsh)  
Mr Ebenezer Owusu-Addo  
Mr Cameron Palmer  
Dr Sameer Pathan  
Ms Michelle Paton  
Mr Eldho Paul  
Mr Waruna Peiris  
Dr Minh Pham  
Mr Jeffrey Pope  
Ms Rina Pradhan  
Dr Satish Ramkumar  
Mr Tom Ranger  
Dr Salmi Razali  
Ms Emma Ridley  
Dr Farwa Rizvi  
Mr Andre Rodrigues  
Mrs Veronique Roussy  
Miss Samantha Rowbotham  
Ms Anne Russell  
Ms Alana Russo  
Miss Kathleen Ryan  
Mr Berhe Sahle  
Ms Stella Samoborec

Ms Joanna Schwarzman  
Mr Rahul Sharma  
Dr Sarah Shen  
Dr Soulmaz Shorakae  
Ms Reeti Singh  
Ms Marina Skiba  
Mr Neal Smith  
Dr Alistair Soon  
Mr Nathan Stam  
Mrs Karin Stanzel  
Ms Shu Su  
Miss Maryam Tabesh  
Mr Benjamin Talbot  
Ms Claire Tipping  
Dr Ravindranath Tiruvoipati  
Dr Jason Toppi  
Mr Ralph Tramm  
Mr Anthony Tsay  
Mr Fraser Tull  
Ms Caroline Van Gemert  
Ms Vanessa Veronese  
Ms Melanie Villani  
Dr Amanda Wade  
Ms Angela Chingshan Wan  
Mr Jason Wasiak  
Mr Jason Watterson  
Ms Anna Wilkinson  
Ms Suzanne Willey  
Mr Yohanes Windi  
Ms Rebecca Winter  
Ms Marta Woolford  
Ms Roisin Worsley  
Ms Cassandra Wright  
Dr Chen (Charles) Xie  
Dr Bryan Ping Yen Yan  
Dr Gary Yip  
Ms Kate Young  
Dr Berihun Zeleke  
Mr Edward Zimbudzi

## Honours Students

### Bachelor of Medical Sciences (Honours) Students

Mr Jordan Bade-Boon  
Mr Matthew Chan  
Miss Katherine Colman  
Mr Lachlan Evans  
Miss Valencia Martin  
Miss Shrada Nikathil  
Mr Zachary O'Brien  
Miss Astari Puji  
Mr Aziz Rawal  
Mr Edward Saxby

### Bachelor of Medical Sciences (International) (Honours) Students

Ms Feby Savira  
Mr Jonathan Widaja  
Mr Windy Cendrick

### Bachelor of Biomedical Sciences (Honours) Students

Miss Jennifer Gong  
Miss Mihiri Goonetilleke  
Miss Stelliana Goutzamanis  
Mr Farooq Ikram  
Miss Nadia Khan  
Miss Anna Palmer  
Miss Michelle Raggatt  
Miss Emily Robertson

### Bachelor of Health Sciences (Honours) Students

Miss Christine Allan  
Miss Danielle Berkovic  
Miss Kimberley Chibnall  
Mr Brendan Harney  
Miss Divya Krishnan  
Miss Kate Mosse  
Miss Taylah Wynen

# APPENDIX 1 GRANTS AND FUNDING

## GRANTS AND CONTRACTS COMMENCING IN 2016

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
Australian Diabetes Society	Ranji and Amara Wikramanayake Diabetes Award for 2016	Zoungas, Sophia	2016-2017	\$40,000	\$40,000
Australian Institute of Family Studies	Discussion Paper: Structural Characteristics of EGMs	Livingstone, Charles Henry	2016-2016	\$5,400	\$6,000
Arthritis Foundation of Victoria Inc.	Victorian Active Ageing Partnership – evidence review, research evaluation	Smith, Benjamin John	2016-2018	\$45,520	\$113,133
Australian Research Council (ARC)	Large-scale computational modelling of epidemics in Australia	Gambhir, Manoj; Lizer, Joseph; Pattison, Philippa; Piraveenan, Mahendra; Prokopenko, Mikhail	2016-2018	\$25,406	\$76,218
Alliance for Gambling Reform	Gambling industry influence on political decisions	Livingstone, Charles Henry; Johnson, Maggie Catherine	2016-2017	\$5,000	\$10,000
Alfred Health	The Tony Charlton Chair of Oncology	Zalcborg, John Raymond	2016-2025	\$337,711	\$3,724,219
Capital Markets CRC Ltd	Understanding patients' health outcomes after traffic injuries in Victoria: a qualitative study	Samoborec, Stella; Evans, Susan Margaret	2016-2019	\$25,000	\$180,000
Celgene Pty Ltd (Celgene Australia)	Understanding the True Costs of Transfusion	Wood, Erica Michelle; Waters, Neil; McQuilten, Zoe; Higgins, Alisa; Kaplan, Zane Samuel	2016-2018	\$81,466	\$211,600
City of Whittlesea	Community attitudes towards gambling in the City of Whittlesea	Livingstone, Charles Henry; de Lacy-Vawdon, Cassandra	2016-2016	\$2,273	\$4,545
D3 Limited Hong Kong	Survival time of Visual Pilots in Simulated Instrument Conditions	Newman, David; Thomas, Michael	2016-2016	\$6,000	\$6,600
Family Planning Victoria Inc	Service Capacity Review: Contraception, Pregnancy support & termination of pregnancy services in Victoria	Rowe, Heather; Fisher, Jane Rosamond Woodward; Holton, Sara; Kirkman, Maggie	2016-2016	\$79,500	\$79,500
Gilead Sciences Pty Ltd	Active use of Patient Reported Outcomes (PRO-Active)	Moore, Elizabeth Madeleine; Ruseckaite, Rasa; King, Tracy; Klarica, Daniela; Wood, Erica Michelle; Spencer, Andrew	2017-2017	\$13,636	\$27,272
Grollo Ruzzene Foundation	Grollo Ruzzene Foundation Younger Women's Health Study	Davis, Susan Ruth; Bell, Robin Jean	2016-2017	\$500,000	\$500,000
Hearts of ECMO	Extracorporeal membrane oxygenation – Pilot registry and core outcomes	Hodgson, Carol Lynette	2016-2016	\$20,028	\$20,155
Heart Foundation of Australia	Translational Research Projects: Fuse Centre for Research Translation & QM University of London, UK	Harrison, Cheryce Lee	2016-2016	\$5,000	\$5,000
	Developing a community-based cardiopulmonary resuscitation (CPR) education program by understanding low bystander CPR rates	Bray, Janet Elizabeth	2016-2016	\$83,046	\$83,046
	Novel approaches to prevent type 2 diabetes and cardiovascular disease by reducing chronic low grade inflammation and advanced glycation.	de Courten, Barbora	2016-2019	\$110,000	\$640,000



Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
Health Research Council of New Zealand	Investigating the meta analysis viability of small numbers of studies and evaluating the current criteria for epidemiological studies	McKenzie, Joanne Ellen	2016-2016	\$93,722	\$117,152
	A multicentre, randomised, single-blinded clinical trial comparing the effect of conservative oxygen therapy with standard care on ventilator-free days in mechanically ventilated adults in the intensive care unit.	Bellomo, Rinaldo	2016-2018	\$212,615	\$188,155
International Menopause Society	Advancing understanding of the links between reproductive and metabolic health in women with insulin resistant conditions	Chiu, Wei Ling; Vincent, Amanda Jane	2016-2017	\$23,851	\$48,286
Intensive Care Foundation	Next generation assessments of physical function in ICU survivors	Hodgson, Carol Lynette	2016-2017	\$12,727	\$35,000
Janssen Cilag	Lymphoma and Related Diseases Registry	Wood, Erica Michelle; McQuilten, Zoe; Opat, Stephen; Waters, Neil	2016-2018	\$60,000	\$200,000
Medical Research Institute of New Zealand	ICU-ROX trial, REACTOR trial, PEPTIC trial statistical services	Bailey, Michael John	2016-2021	\$48,098	\$240,490
MOVE (Muscle, bone & joint health)	Risk of knee replacement surgery up to 15 years after sports injury: A Victoria-wide study	Ackerman, Ilana Naomi	2016-2017	\$15,000	\$15,000
National Blood Authority	Oral antibiotics or intravenous immunoglobulin to reduce infections in patients with blood cancers	Wood, Erica Michelle; McQuilten, Zoe; Weinkove, Robert; Morrissey, Catherine Orla; Crispin, Philip; Gilbertson, Michael; Keegan, Anastazia; Trotman, Judith; Stanworth, Simon; Waters, Neil; Tam, Constantine S	2016-2019	\$39,496	\$394,958
National Breast Cancer Foundation	Intra-vaginal testosterone for the treatment of Genitourinary Syndrome of Menopause after breast cancer.	Davis, Susan Ruth; Bell, Robin Jean	2016-2017	\$234,183	\$454,349
National Health & Medical Research Council (NHMRC) – Career Development Grants	A non-invasive fluid status monitoring device for heart failure	Krum, Henry; Gu, Zhongze; Harcourt, Jefferson; Wang, Bing Hui	2016-2018	\$148,071	\$360,715
National Health & Medical Research Council (NHMRC) – Centres of Research Excellence	Centre of Research Excellence in Prehospital Emergency Care	Cameron, Peter; Arendts, Glenn; Bernard, Stephen Anthony; Bray, Janet Elizabeth; Fatovich, Daniel; Finn, Judith; Grantham, Hugh; Perkins, Gavin; Smith, Karen; Stub, Dion Ashley	2016-2021	\$77,933	\$1,357,775
	Assessing inflammatory responses to smoke-derived particles following short term exposure among asthmatics	Dennekamp, Martina Neeltje; Johnston, Fay; Wheeler, Amanda; Hinwood, Andrea; Williamson, Grant; Reisen, Fabienne	2016-2017	\$19,626	\$19,626
National Health & Medical Research Council (NHMRC) – Early Career Fellowships	Improving child health and development in resource-constrained settings: A multi-component study to inform policy and more effective interventions	Tran, Thach Duc	2016-2019	\$79,692	\$314,644
	Post-discharge care and recovery of seriously injured patients in a regionalised trauma system	Ekegren, Christina Louise	2016-2019	\$79,692	\$294,644

# APPENDIX 1: GRANTS AND FUNDING

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Early Career Fellowships	Longitudinal Studies in Polycystic Ovary Syndrome	Joham, Anju Elizabeth	2016-2019	\$47,346	\$187,322
	Improving pregnancy care for populations at risk in Australia	Gibson-Helm, Melanie	2016-2019	\$79,692	\$314,644
	Optimising transfusion support in critical illness and haematological malignancies	McQuilten, Zoe	2016-2019	\$66,285	\$262,251
National Health & Medical Research Council (NHMRC) – Equipment Grant	Two Canon Non-Mydriatic 45 Fundus Cameras for retinal photography with Digital Health Care software for data entry and image capture	McNeil, John James; Robman, Liubov; Woods, Robyn Lorraine	2016-2021	\$50,000	\$50,000
National Health and Medical Research Council – Partnership Grants	Early Menopause: Implementation Research using the Experiences and Perspectives of Women and Health Professionals to Translate Evidence into Practice	Teede, Helena Jane; Boyle, Jacqueline; Hart, Roger; Hickey, Martha; Kokanovic, Renata; Vincent, Amanda Jane	2016-2019	\$55,253	\$585,074
	Evidence Innovation: transforming the efficiency of systematic review	Elliott, Julian; Clarke, Michael; Glasziou, Paul; Green, Sally Elizabeth; Thomas, James; Tovey, David	2016-2018	\$189,086	\$1,649,799
National Health & Medical Research Council (NHMRC) – Postgraduate Scholarships	Targeting high-risk cardiac patients and their families for basic life support training	Cartledge, Susan Helen	2016-2016	\$36,634	\$36,068
	Health in Preconception and Pregnancy	Lang, Adina Yael	2016-2019	\$19,027	\$86,119
National Health & Medical Research Council (NHMRC) – Program Grant	Novel approaches to the prevention and treatment of chronic heart disease and its co-morbid complications	Reid, Christopher Michael; Kelly, Darren; Krum, Henry; Liew, Danny	2016-2020	\$748,526	\$5,215,324
	Learning clubs to improve women's health and infant's health and development in Vietnam: a cluster randomised controlled trial of a low-cost, evidence-informed, structured intervention	Fisher, Jane Rosamond Woodward; Biggs, Beverley-Ann; Hipgrave, David; Luchters, Stanley; Tran, Thach Duc; Tran, Tuan	2016-2019	\$248,362	\$1,372,748
	Occupational and Environmental Exposures Associated with Idiopathic Pulmonary Fibrosis in Australia	Abramson, Michael John; Benke, Geza Paul; Corte, Tamara; Walters, Eugene	2016-2017	\$238,933	\$282,761
	Reduction of oxygen after cardiac arrest: The EXACT trial	Bernard, Stephen Anthony; Bray, Janet Elizabeth; Cameron, Peter; Finn, Judith; Grantham, Hugh; Perkins, Gavin; Smith, Karen Louise; Stub, Dion Ashley	2016-2020	\$420,934	\$714,957
	New methods and guidelines for the design, analysis and reporting of cluster-crossover and stepped wedge randomised trials in clinical and public health research	Forbes, Andrew Benjamin; Carlin, John; Haines, Terrence Peter; Hemming, Karla; Kahan, Brennan; McKenzie, Joanne Ellen	2016-2018	\$108,502	\$391,258
	Optimisation by Platform Trial Involving Multiple Interventions with Simultaneous Evaluation in Community Acquired Pneumonia (OPTIMISE-CAP)	Webb, Steven; Berry, Donald; Cheng, Allen Cheuk-Seng; Heritier, Stephane Roland; Litton, Edward; McArthur, Colin; Paterson, David; Presneill, Jeffrey	2016-2020	\$721,972	\$4,413,145
	Clinical review of a cohort aged 22-23 years conceived using Assisted Reproductive Technologies	Hammarberg, Karin; McLachlan, Robert Ian; Halliday, Jane Lavinia; Ranganathan, Sarath; Juonala, Markus; Lewis, Sharon; Saffery, Richard; Amor, David	2016-2017	\$5,000	\$10,000

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Project Grants	Sex Hormones and Heart Disease in Older Women study (The SHOW Study)	Davis, Susan Ruth; Bell, Robin Jean; Wolfe, Rory St John	2016-2019	\$495,577	\$594,672
National Health & Medical Research Council (NHMRC)	Early Identification of Disability to Inform Better Care and Outcomes in High Risk Patients	Hodgson, Carol Lynette; Bailey, Michael John; Bellomo, Rinaldo; Brown, Wendy; Cooper, David James; Higgins, Alisa; McNeil, John James; Myles, Paul; Shulman, Mark; Teede, Helena Jane	2016-2017	\$24,250	\$97,000
	Centre of Research Excellence in Cardiovascular Outcomes Improvement	Reid, Christopher Michael; Liew, Danny Yearn Hian; Cullen, Louise; Chew, Derek; Briffa, Thomas; Brieger, David; Smith, Julian Anderson; Duffy, Stephen James; Macdonald, Peter Simon; Ajani, Andrew Edward; Shardey, Gilbert; Lefkovits, Jeffrey; Beltrame, John F; Nelson, Mark Raymond; Billah, Md Baki; Baker, Robert A; Robinson, Suzanne	2016-2020	\$50,000	\$50,000
	Optimising medication use to maintain or improve quality of life in aged care facility residents with and without dementia	Gilmartin-Thomas, Julia Fiona-Maree	2016-2019	\$104,546	\$600,627
National Institutes of Health (NIH US)	Randomized controlled trial of the effect of low dose aspirin on the course of age-related macular degeneration	McNeil, John; Guymmer, Robyn; Robman, Liubov; Woods, Robyn; Wolfe, Rory	2016-2021	\$0	\$1,624,381 (USD)
National Stroke Foundation	The impact of the FAST stroke awareness campaigns on emergency health care utilisation	Bray, Janet Elizabeth	2016-2016	\$19,200	\$19,200
Nurses Board of Victoria Legacy Limited	Post-resuscitation care in Victoria: understanding current practice to improve outcomes for out of hospital cardiac arrest patients	Bray, Janet Elizabeth; Bernard, Stephen Anthony; Smith, Karen Louise; Stub, Dion Ashley	2016-2016	\$40,000	\$50,000
Osteoporosis Australia	Addressing Gaps in the Understanding and Management of Osteoporosis in Premature Menopause	Vincent, Amanda Jane	2016-2018	\$19,930	\$39,860
Pfizer Australia	Victorian Lung Cancer Registry (VLCR) and Victorian Lung Cancer Service Redesign Project (VLCSR)	McNeil, John James; Stirling, Robert; Zalcborg, John Raymond	2016-2017	\$190,909	\$425,000
Royal Automobile Club of Victoria (RACV) Ltd	Potentially preventable road trauma deaths in Victoria	Beck, Benjamin; Smith, Karen Louise; Cameron, Peter	2016-2017	\$14,388	\$57,552
Sports Medicine Australia	Accurately assessing physical inactivity following serious musculoskeletal injury: Identifying a potential precursor to chronic disease	Ekegren, Christina Louise	2017-2017	\$2,000	\$2,000
Takeda Pharmaceuticals Australia Pty Ltd	MRDR PROMs Pilot study	Moore, Elizabeth Madeleine; Spencer, Andrew; Wood, Erica Michelle; Ruseckaite, Rasa; King, Tracy; Klarica, Daniela	2017-2018	\$22,400	\$44,800
The Royal Australasian College of Physicians	The potential of carnosine supplementation to reduce cardiometabolic risk: a double-blind, placebo-controlled trial.	de Courten, Barbora	2016-2016	\$50,000	\$50,000
Transport Accident Commission	Early intervention for pain and mental health	Giummarra, Melita Joy; Gabbe, Belinda Jane	2016-2017	\$36,607	\$122,022
Victorian Responsible Gambling Foundation	Identifying effective policy interventions to prevent gambling-related harm	Livingstone, Charles Henry	2016-2017	\$26,680	\$133,400

## GRANTS AND CONTRACTS CONTINUING IN 2016

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
Anonymous Donation	Community based, victim centred restorative justice for sexual violence (donation)	Loff, Beatrice	2015-2017	\$25,000	\$25,000
Australian Commission on Safety and quality in Health Care	Developing an implementation approach for Clinical Care Standards	Green, Sally Elizabeth; O'Connor, Denise Ann	2015-2016	\$7,035	\$56,057
Australian Communities Foundation	Community based, victim centred restorative justice for sexual violence	Loff, Beatrice	2015-2016	(\$25,000)	\$5,000
Australian Institute of Criminology	Community based, victim centred restorative justice for sexual violence – A pilot	Loff, Beatrice	2015-2016	\$15,909	\$45,455
Australian Research Council (ARC)	Community Capacity Building for Healthy Lifestyles (CBHL) initiative: Engaging communities in childhood obesity prevention in disadvantaged areas	Smith, Benjamin John; Mellor, David; Oldenburg, Brian Federick; Polonsky, Michael; Renzaho, Andre; Green, Julie; Horton, Kellie; Nicholson, Jan	2013-2017	\$124,257	\$441,893
	Understanding individual, workplace and system level influences on return to work in a changing Australian labour market	Sim, Malcolm Ross; LaMontagne, Anthony; Smith, Peter Matthew; Browne, Tracey; Fitzpatrick, Therese; Hill, Julie; Hogg-Johnson, Sheilah; Lilley, Rebbecca; McConnell-Lynch, Helen; Ryan, Susan	2013-2016	\$109,641	\$716,282
	Elucidating the increasing demand for genital cosmetic surgery among girls and women in Australia	Kirkman, Maggie; Dobson, Amy Rose Shields; Fisher, Jane Rosamond Woodward; Souter, Kay; Butera, Rita; Casper, Gabrielle; Farrell, Elizabeth; Michelmore, Janet; Steele, Angela; Tomlinson, Jillian; Vollenhoven, Beverley; Webster, Amy; Yap, Desiree	2014-2017	\$57,809	\$432,220
	Harnessing recreational infrastructure to improve physical activity and community well-being	Smith, Benjamin John; Bauman, Adrian; Donovan, Robert; Ewing, Michael; Mahal, Ajay Singh; Newton, Fiona Joy; Mackay, Bruce	2014-2017	\$32,710	\$319,605
	Evaluation in health promotion: gathering evidence to improve effectiveness	Smith, Benjamin John; Bauman, Adrian; Rissel, Chris; Shilton, Trevor	2015-2017	\$51,036	\$147,380
Australian Red Cross Blood Service	Age of blood, iron metabolism and the TRANSFUSE trial	McQuilten, Zoe; Wood, Erica Michelle	2015-2017	(\$76,168)	\$76,168
Australian Rotary Health	Understanding women's experiences with endometriosis	Young, Kate Jaclyn	2014-2014	\$856	\$2,607
Bushfire and Natural Hazards CRC (BNHCRC)	Smoke impacts on community health and social perceptions	Dennekamp, Martina Neeltje; Abramson, Michael John; Jalaludin, Bin; Johnston, Fay; Lyth, Anna; Marks, Guy; Morgan, Geoff; Reisen, Fabienne	2013-2016	\$153,000	\$507,000



Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
BUPA Health Foundation	Optimising Outcomes in Patients with Carotid Arterial Disease	Abbott, Anne	2014-2017	\$99,039	\$286,783
Coeliac Australia	Systematic review of safe level of gluten	McDonald, Steven	2015-2016	\$21,652	\$28,869
Deafness Foundation	ASPREE (Aspirin in Reducing Events in the Elderly) CENTRAL HEARING: Hearing and Health in a large cohort of elderly adults	Storey, Elsdon; Rance, Gary	2014-2017	\$20,203	\$89,053
Department of Health and Human Services (VIC)	Cardiac procedures registry in Victoria	McNeil, John James; Reid, Christopher Michael; Tonkin, Andrew Maxwell	2011-2017	\$608,419	\$1,685,815
	Understanding and reducing falls and fall-related harm among Personal Alert Victoria clients	Barker, Anna; Ayton, Darshini Rebecca; Soh, Sze-Ee	2015-2016	\$45,047	\$49,552
	Preventive Health Survey – Child analysis	Fisher, Jane Rosamond Woodward; Tran, Thach Duc; Wynter, Karen Hilary	2015-2016	\$77,467	\$102,524
European Commission	Collaborative European NeuroTrauma Effectiveness Research in TBI (CENTER-TBI)	Cooper, David James	2013-2020	\$45,272	\$414,971
Medibank Private	Improving the measurement of patient reported outcomes	Stoelwinder, Johannes Uiltje; Evans, Susan Margaret; McNeil, John James; Reid, Christopher Michael; Zalberg, John Raymond	2015-2018	\$200,000	\$600,000
Movember Australia	Australian Prostate Cancer Clinical Registry – Jurisdictional sites	Evans, Susan Margaret; McNeil, John James; Millar, Jeremy Laurence	2014-2017	\$1,066,954	\$5,048,924
	Australian Prostate Cancer Clinical Registry	Evans, Susan Margaret; McNeil, John James; Millar, Jeremy Laurence	2014-2017	\$485,967	\$1,427,885
	Movember Prostate Cancer Health Outcomes Research Unit	McNeil, John James; Evans, Susan Margaret; Millar, Jeremy Laurence	2014-2017	\$86,455	\$250,000
Monash Partners Academic Health Science Centre (MPAHSC)	Mental Health, Pregnancy and Women of Refugee Background; a Screening Program to Improve Women's Wellbeing	Boyle, Jacqueline	2015-2017	\$30,000	\$30,000
National Blood Authority	Proposal to update the McQuilten et al systematic review as part of the programme to update the PBM	Wood, Erica Michelle	2015-2016	\$69,500	\$69,500
National Health & Medical Research Council (NHMRC) – Career Development Fellowships	Preventing and treating significant infections in the community and in hospitals	Cheng, Allen Cheuk-Seng	2014-2018	\$82,275	\$313,488
	New approaches to the prevention and treatment of Musculoskeletal Disease	Wluka, Anita Estelle	2014-2017	\$117,536	\$447,840
	Improving the prevention and outcomes of knee and hip osteoarthritis	Wang, YuanYuan	2014-2017	\$106,262	\$404,884
	Addressing missing links in the care of older people to improve practice and outcomes: program efficacy, implementation effectiveness and knowledge translation	Barker, Anna	2014-2019	\$55,556	\$404,884
	Quantifying the burden, understanding the predictors, and improving the outcomes of non-fatal injury	Gabbe, Belinda Jane	2013-2016	\$117,535	\$439,920
	Optimising prevention and therapeutic strategies for low back pain and disability	Urquhart, Donna Michelle	2011-2018	\$42,505	\$384,160

# APPENDIX 1: GRANTS AND FUNDING

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Centres of Research Excellence	Centre for Research Excellence in the evaluation, management and health care needs of Polycystic Ovary Syndrome and related health implications	Teede, Helena Jane; Boyle, Jacqueline; Davies, Michael; Gibson-Helm, Melanie; Handelsman, David; Hart, Roger; Joham, Anju Elizabeth; Kozica, Samantha; McNeil, John James; Moran, Lisa Jane; Norman, Robert; Patton, George; Rodgers, Raymond; Sullivan, Elizabeth	2014-2019	\$334,571	\$2,489,052
	Assessment of Mobile Phone Radiofrequency-Electromagnetic Radiation Exposure in the Australian Occupational Groups	Bhatt, Chhavi Raj	2015-2016	\$10,250	\$10,250
	The Victorian Canetre for Applied Biostatistics (VCAB): Building core methodological capacity for population health	Forbes, Andrew Benjamin; Carlin, John; Gurrin, Lyle	2012-2016	\$54,041	\$712,630
	Centre of Research Excellence in Translation of Research into Improved Outcomes in Musculoskeletal Pain and Health (TRIUMPH)	Buchbinder, Rachelle; Harris, Anthony Howard	2014-2019	\$28,460	\$163,643
	Centre for Population Health Research on Electromagnetic Energy	Abramson, Michael John; Benke, Geza Paul; Croft, Rodney; Crozier, Stuart; Sim, Malcolm Ross; Vermeulen, Roel; Wiedemann, Peter	2013-2018	\$241,739	\$1,830,207
	Protecting the public from emerging infectious diseases	Sorrell, Tania Christine; Coiera, Enrico; Cheng, Allen Cheuk-Seng; Smith, David; Howden, Benjamin	2015-2020	\$36,831	\$147,324
	Australian Resuscitation Outcomes Consortium (AUS – ROC) CRE	Finn, Judith; Bernard, Stephen Anthony; Cameron, Peter; Tonkin, Andrew Maxwell; Jacobs, Ian; Smith, Karen; Thompson, Peter	2012-2017	\$309,070	\$2,498,523
National Health & Medical Research Council (NHMRC) Collaborative Research Grants	Collaborative European NeuroTrauma Effectiveness Research in TBI	Cooper, David James; Gruen, Russell Lindsay	2014-2017	\$47,634	\$358,347
	Platform for European Preparedness Against Re-emerging Epidemics (PREPARE)	Webb, Steven	2014-2016	\$15,000	\$280,000
National Health & Medical Research Council (NHMRC) – Early Career Fellowships	Investigating healing outcomes in people with venous ulcers: a randomised controlled trial	Weller, Carolina Dragica	2012-2016	\$69,718	\$300,190
	Generating credible evidence for health care decision making: advancing methods for evidence synthesis and meta-analysis	Page, Matthew James	2015-2019	\$94,733	\$330,856
	The relationship between happiness and health	Freak-Poli, Rosanne	2013-2018	\$67,244	\$258,843
	Synaesthesia for pain: Incidence and manifestation	Giummarra, Melita Joy	2012-2016	\$21,937	\$324,244
	Improving early recognition and response to symptoms in acute cardiovascular events.	Bray, Janet Elizabeth	2014-2017	\$79,692	\$304,596
	Methodological research in meta-analysis and evidence synthesis: Strengthening research for translation	McKenzie, Joanne Ellen	2014-2018	\$79,692	\$304,596
	Acute traumatic coagulopathy-mechanisms and measurement	Mitra, Biswadev	2014-2017	\$47,347	\$182,298

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Early Career Fellowships	Investigating rising demand for emergency health care with an ageing population	Lowthian, Judy	2013-2016	\$79,692	\$279,564
National Health & Medical Research Council (NHMRC) – Partnership Projects	Improving outcomes for patients with critical bleeding requiring massive transfusion	Cooper, David James; Barker, Anna; Cameron, Peter; McQuilten, Zoe; Wood, Erica Michelle; Zatta, Amanda Jane; French, Craig; Isbister, James; McLintock, Claire; Stanworth, Simon	2014-2017	\$505,808	\$1,416,706
National Health and Medical Research Council (NHMRC) – Postgraduate Scholarships	Does statin use have a disease modifying effect in symptomatic knee osteoarthritis?	Brady, Sharmayne Rukmini Emma	2014-2017	\$10,747	\$120,671
	Analysis of effect of different treatment targets on maternal and child health outcomes in Gestational Diabetes Mellitus (GDM)	Abell, Sally Kathleen	2014-2017	\$41,892	\$120,671
	Paramedic competency and exposure to resuscitation skills: does it make a difference?	Dyson, Kylie	2014-2015	\$9,596	\$61,714
	Determining the effect of nutrition therapy in critically ill patients	Ridley, Emma Jean	2014-2017	\$22,516	\$105,437
	Understanding women's experiences with endometriosis	Young, Kate Jaclyn	2004-2016	\$24,133	\$60,393
	The gender specific health needs of women with chronic and complex conditions	Worsley, Roisin	2013-2016	\$29,729	\$117,368
	Joint longitudinal and time-to-event models for applications in health research	Brilleman, Samuel	2015-2018	\$28,540	\$84,800
National Health & Medical Research Council (NHMRC) – Practitioner Fellowships	NHMRC Practitioner Fellowship	Cooper, David James	2013-2017	\$81,317	\$380,450
	NHMRC Practitioner Fellowship	Teede, Helena Jane	2013-2017	\$81,346	\$380,583
National Health & Medical Research Council (NHMRC) – Project Grants	Does low dose amitriptyline reduce pain in knee osteoarthritis? A double blind, randomised, pragmatic, placebo controlled clinical trial of amitriptyline in addition to usual care	Wluka, Anita Estelle; Cicuttini, Flavia Maria; Teichtahl, Andrew; Urquhart, Donna	2015-2017	\$165,430	\$401,362
	Trial to Evaluate Anti-fibrinolytic Therapy in Thrombocytopenia (TREATT)	Wood, Erica Michelle; Cole-Sinclair, Merrole; Estcourt, Lise; McQuilten, Zoe; Stanworth, Simon; Szer, Jeffrey; Westerman, David	2015-2019	\$250,836	\$1,012,625
	Early Goal-Directed Sedation compared with standard care in mechanically ventilated critically ill patients: a prospective multicentre randomised controlled trial.	Shehabi, Yahya; Bailey, Michael John; Bellomo, Rinaldo; Howe, Belinda Duval; McArthur, Colin; Reade, Michael; Seppelt, Ian	2013-2017	\$715,142	\$2,752,725
	The influence of anaesthetic depth on patient outcome after major surgery	Leslie, Kate; Chan, Matthew; Corcoran, Tomas; Myles, Paul; Paech, Michael; Short, Timothy	2013-2017	\$761,917	\$2,893,795

# APPENDIX 1: GRANTS AND FUNDING

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Project Grants	The AspiriN To Inhibit SEPSIS (ANTISEPSIS) trial; an ASPREE substudy to measure the benefit of low dose aspirin in the prevention of severe sepsis	Eisen, Damon; Leder, Karin Sharona; McBryde, Emma; Pilcher, David; Wolfe, Rory St John; Woods, Robyn Lorraine	2013-2017	\$76,466	\$391,880
	An integrated general practice and pharmacy-based intervention to promote the prescription and use of appropriate preventive medications among individuals at high cardiovascular risk	Reid, Christopher Michael; Patel, Anushka	2015-2018	\$90,233	\$292,246
	Mechanisms underlying the contribution of uremic toxins to cardiorenal syndrome	Krum, Henry; Kelly, Darren; Kompa, Andrew Richard; Wang, Bing Hui	2015-2017	\$144,718	\$400,588
	Low dose aspirin and age-related macular degeneration: randomised controlled trial	McNeil, John James; Guymer, Robyn Heather; Robman, Luba; Woods, Robyn Lorraine	2013-2017	\$69,962	\$991,797
	Is antibiotic treatment effective in the management of chronic low back pain in those with disc herniation? A double-blind, randomised, placebo-controlled trial with an economic evaluation.	Urquhart, Donna Michelle; Cicuttini, Flavia Maria; Leder, Karin Sharona; Rosenfeld, Jeffrey Victor; Wluka, Anita Estelle; van Tulder, Maurits	2015-2017	\$112,039	\$533,760
	Perioperative Administration of Dexamethasone and Infection – The PADDI trial	Corcoran, Tomas; Bach, Leon Ashley; Chan, Matthew; Cheng, Allen Cheuk-Seng; Forbes, Andrew Benjamin; Ho, Kwok; Leslie, Kate; Myles, Paul; Short, Timothy	2015-2020	\$919,006	\$4,749,166
	Does statin use have a disease modifying effect in symptomatic knee osteoarthritis? A multicentre randomised, double-blind, placebo-controlled trial	Wang, YuanYuan; Cicuttini, Flavia Maria; Ding, Changhai; Hill, Catherine; Jones, Graeme; Tonkin, Andrew Maxwell	2013-2017	(\$99312)	\$552,910
	ASPREE-NEURO; aspirin and cerebral microhaemorrhages	McNeil, John James; Bailey, Michael John; Brodtmann, Amy; Egan, Gary Francis; Ferris, Nicholas; Ward, Stephanie	2015-2018	\$16,103	\$956,186
	Evidence based health advice for the National Health and Medical Research Council on Natural Therapies	Green, Sally Elizabeth; McDonald, Steven; McKenzie, Joanne Ellen	2013-2017	\$25,579	\$131,988
	Does pneumococcal vaccination protect against cardiovascular disease? A randomised placebo-controlled double blind trial	Tonkin, Andrew Maxwell; Attia, John	2014-2018	\$40,372	\$174,977
	ASPREE-D; Aspirin in the prevention of depression in the elderly	Berk, Michael; McNeil, John James; Mohebbi, Mohammadreza; Nelson, Mark; Shah, Raj; Woods, Robyn Lorraine	2015-2018	\$191,434	\$767,594
	Clinical effectiveness of aspirin in healing chronic venous leg ulcers: a randomised double-blinded placebo-controlled trial	Weller, Carolina Dragica; Barker, Anna; Darby, Ian; Haines, Terrence Peter; Underwood, Martin; Ward, Stephanie	2014-2018	\$112,651	\$746,811
	The SNORE-ASA study: A study of neurocognitive outcomes, radiological and retinal effects of Aspirin in sleep apnoea	Storey, Elsdon; Hamilton, Garun; Kawasaki, Ryo; Naughton, Matthew; Ward, Stephanie; Woods, Robyn Lorraine; Janke, Andrew	2012-2016	\$96,464	\$755,172
Can vitamin D prevent diabetes by improving insulin sensitivity and secretion in overweight humans?	de Courten, Barbora; De Courten, Maximilian; Scragg, Robert; Walker, Karen Zell	2014-2017	\$255,566	\$693,052	



Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
National Health & Medical Research Council (NHMRC) – Project Grants	A study of Statins for reducing events in the elderly	Zoungas, Sophia; Abhayaratna, Walter; Beilin, Lawrence; McNeil, John James; Nelson, Mark; Storey, Elsdon; Tonkin, Andrew Maxwell; Ward, Stephanie; Wolfe, Rory St John	2014-2018	\$932,090	\$5,141,667
	The ASPREE-fracture sub-study: Does daily low-dose aspirin reduce fracture risk in healthy older adults?	Barker, Anna; Khosla, Sundeep; McNeil, John James; Sanders, Kerrie; Ward, Stephanie	2014-2018	\$120,450	\$1,290,628
	Identifying specific risk factors for intimate partner violence amongst women refugees during and after pregnancy: associates with mental health and capacity	Rees, Susan; Fisher, Jane; Steel, Zachary	2015-2017	\$100,000	\$200,000
	A randomised trial of zoledronic acid for osteoarthritis of the knee	Cicuttini, Flavia Maria; Hill, Catherine; Jones, Graeme; March, Lyn	2013-2016	\$92,014	\$240,953
	The Augmented versus Routine approach to Giving Energy Trial (TARGET)	Chapman, Marianne; Bellomo, Rinaldo; Davies, Andrew Ross; Horowitz, Michael; Peake, Sandra Lois	2015-2019	\$975,541	\$3,534,236
	Outcomes after serious injury: What is the recovery trajectory and how do the priorities for treatment and disability services change over time?	Gabbe, Belinda Jane; Ameratunga, Shanthi; Cameron, Peter; Collie, Alexander; Harrison, James; Lyons, Ronan; Ponsford, Jennie Louise	2014-2017	\$209,754	\$738,450
	Investigating the use of metformin for the prevention of endometrial cancer	Davis, Susan Ruth; Bell, Robin Jean; Brown, Kristy Angela	2014-2018	\$113,943	\$655,321
National Health & Medical Research Council (NHMRC) – Research Fellowships	NHMRC Research Fellowship	Buchbinder, Rachele	2015-2019	\$187,781	\$911,915
	NHMRC Research Fellowship	Zoungas, Sophia	2015-2019	\$126,274	\$611,645
	NHMRC Practitioner Fellowship	Krum, Henry	2012-2016	(\$7799)	\$349,272
National Health & Medical Research Council (NHMRC)	Australasian Cochrane Centre	Green, Sally Elizabeth; McDonald, Steven	2013-2017	\$692,000	\$2,768,000
	Cochrane musculoskeletal group	Buchbinder, Rachele; Johnston, Renea; Martin, Elizabeth; Winzenberg, Tania	2013-2017	\$60,000	\$240,000
National Institutes of Health (NIH US)	ASPrin in Reducing Events in the Elderly (ASPREE)	McNeil, John James; Grimm, Hugo; Nelson, Mark Raymond; Nelson, Mark; Storey, Elsdon; Tonkin, Andrew Maxwell; Wolfe, Rory St John; Woods, Robyn Lorraine; Benavente, Oscar; Murray, Anne; Newman, Anne; Shah, Raj; Williamson, Jeff	2009-2018	\$8,113,551	\$39,055,106
	Building the Asian non-communicable disease research network for regional research capacity	Oldenburg, Brian Federick; Fisher, Edwin; Kadir, Khalid; Thankappan, Kavumpurathu	2010-2016	\$223,016	\$1,178,773
Novartis Pharmaceuticals	Cardiorenal Syndrome Study	Krum, Henry; Kompa, Andrew Richard	2014-2016	\$50,000	\$250,380
Population Health Research Institute, Hamilton Health Sciences	HOPE-3 (Heart Outcomes Prevention Evaluation – 3 Study)	Krum, Henry	2008-2013	\$3,618	\$20,510
Pfizer Australia	Victorian Lung Cancer Registry	Zalberg, John Raymond	2015-2016	\$25,000	\$25,000

## APPENDIX 1: GRANTS AND FUNDING

Source	Project Title	Investigators	Duration	Actual Income Amount (2016)	Funding Awarded – Monash Component (Pure)
Pancare Foundation	Upper Gastro-Intestinal Cancer Clinical Quality Registry (UGI-CR)	Zalcborg, John Raymond	2015-2018	\$72,500	\$1,075,000
The Alan and Elizabeth Finkel Foundation	Finkel Chair in Global Health	Oldenburg, Brian Federick	2008-2009	\$77,634	\$2,000,000
Safe Work Australia	Australian Mesothelioma Registry	Sim, Malcolm Ross; Benke, Geza Paul; MacFarlane, Ewan Marcel	2010-2016	\$69,682	\$669,228
Roche Products Pty Ltd	Development, operation and analysis of the Lymphoma and Related Diseases Registry	Opat, Stephen; Wood, Erica Michelle	2015-2019	\$75,000	\$450,000
The Department of Health (Comm)	Advancing perinatal mental health to diverse audiences with interactive social media applications	Fisher, Jane Rosamond Woodward; Rowe, Heather	2013-2016	\$70,000	\$264,591
	Surveillance of Influenza Associated Hospitalisation through Influenza Complication Alert Network (FluCAN)	Cheng, Allen Cheuk-Seng	2015-2017	\$487,400	\$1,425,927
Transport Accident Commission	Evaluation of the Implementation of a new model of bladder management care at the Victorian Spinal Cord Service	Gabbe, Belinda Jane	2015-2018	\$110,838	\$372,064
	Rehabilitation after catastrophic acquired brain injury	Gabbe, Belinda Jane	2015-2018	\$19,802	\$79,206
	Bladder management post spinal cord injury in the community	Braaf, Sandra	2015-2016	\$24,042	\$94,042
The Cochrane Collaboration	Project Transform	Elliott, Julian; Green, Sally Elizabeth; McDonald, Steven; Mavergames, Chris; Murano, Melissa; Noel-Storr, Anna; Thomas, James; Tovey, David	2015-2017	\$0	\$1,128,346
Victorian Neurotrauma Initiative	Multi-centre randomised controlled trials of early acute interventions (hypothermia, erythropoietin, and decompressive craniectomy) to attenuate secondary brain injury after trauma	Cooper, David James; Bellomo, Rinaldo; Bernard, Stephen Anthony; Morganti-Kossmann, Maria Cristina	2010-2017	\$182,605	\$2,086,100
Water Services Association of Australia	Emerging Pathogens of concern for the water industry	Sinclair, Martha Irvine; Leder, Karin Sharona; O'Toole, Joanne Elizabeth	2015-2016	\$40,000	\$90,000

# APPENDIX 2 SPHPM RESEARCH PUBLICATIONS FOR 2016

## Book

Earnest A. *Essentials of a Successful Biostatistical Collaboration*. Taylor & Francis Group, Boca Raton, Florida, CRC Press, 2016.

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# APPENDIX 3 SPHPM SENIOR STAFF BOARD AND COMMITTEE MEMBERSHIPS

## Professor John McNeil

Member: Ambulance Victoria: Medical Advisory Committee

Member: Austin Hospital: Austin LifeSciences Board

Member: Cancer Council Victoria: Cancer Registry Scientific Advisory Group

Member: Red Cross Blood Transfusion Service: Research Advisory Committee

Member: Victorian Premier's Award for Health and Medical Research: Selection Panel

Ambassador: Club Melbourne

Member: Burnet Research Institute Scientific Advisory Committee

Member: Australian Commission for Safety and Quality: Quality Registries Committee

Member: Alfred Hospital: Ethics Committee (Chair)

Member: Alfred Hospital: Pharmacy and Therapeutics: Committee

Member: Austin Hospital: Board: Clinical Safety and Quality Committee

Member: Victorian Cardiac Arrest Registry Advisory Committee

Member: Monash University: Faculty of Medicine, Nursing & Health Sciences: Faculty Executive

Member: Victorian Department of Health: Standing Committee on Health Quality, Safety and Outcomes

Member: Australian Stroke Clinical Registry

Member: Victorian Public Hospitals: Chairs of Board Quality Committees

Member: Victorian Department of Health: Patient Safety Advisory Committee

Member: New South Wales Department of Health: Genomics Scientific Advisory Group Joint Management Committee: Prostate Cancer Health Outcomes Research

Member: Australian Breast Device Registry (ABDR) Governance Committee

Member: Victorian Department of Health: Health System Information, Knowledge and Innovation Management

Member: Advisory Committee Victorian Department of Health: Medicinal Cannabis Expert Advisory Committee

Member: Cancer Australia: Stage, Treatment and Recurrence (STaR) Steering Committee

Member: Victorian Department of Health and Human Services: Ambulance Performance and Policy Consultative Committee

Member: Consultative Council on Obstetric and Paediatric Mortality and Morbidity

Board Member: International Society of Cardiovascular Pharmacotherapy (2006 – current)

Board Member: Austin Hospital Board of Management (2008 – current)

Board Member: Australia and New Zealand Intensive Care Society Research Centre (2005 – current)

Board Member: Victorian Managed Insurance Authority (2012 – current)

Board Member: Australian Clinical Trials Alliance (2013 – current)

## Professor Michael Abramson

Editorial Board member: Respirology, BMC Pulmonary Medicine

Associate Editor: International Journal of Tuberculosis and Lung Disease

Committee member: Asthma Australia National Research Council

Committee member: NHMRC Wind Farms and Human Health Reference Group

## Professor Michael Bailey

Chairman of the Data Safety Monitoring Board: Ondansetron Study

Editorial board member: ISRN Critical Care

Editorial board member: Dataset Papers in Medicine – Critical Care

Member: Data safety monitoring board: HEAT study

Board member: YMCA Australia Grampians Branch

Editorial Board member: International Scholarly Research Notices

Member: SPHPM research committee

NHMRC Interview Panel member: CREs in Public Health

Member: ANZICs-CORE advisory committee

Member: ANZICs-CORE research and publication working group

## Professor Robin Bell

Editorial board member: Menopause Journal (Journal of the North American Menopause Society)

Editorial board member: Climacteric (Journal of the International Menopause Society)

Member of the Scientific Program Committee for the International Menopause Society meeting Prague in 2016

## Professor Rachelle Buchbinder

Coordinating Editor: Cochrane Musculoskeletal

Advisory Board Member: Cochrane Back Group

Editorial Board Member: BMC Musculoskeletal Disorders

Editorial Board Member: BioMed Central Chiropractic & Osteopathy

Editorial Board Member: Arthritis Research & Therapy

Editorial Board Member: Physical Therapy

Editorial Board Member: Rheumatic & Musculoskeletal Diseases Open

International Editorial Board Member: einstein

Vice President: Australian Rheumatology Association (ARA)

Member: Scientific Program and Research Committee, Australian Rheumatology Association

Chair: Arthritis and Musculoskeletal Conditions Steering Group for the NHMRC Research Translation Faculty

Co-chair: Epidemiology and Public Health Abstract Review for the 2015 American College Rheumatology Annual Scientific Meeting

Member: Surveillance Task Force, Bone and Joint Decade 2010–2020

Member: Australian Atlas of Healthcare Variation Expert Advisory Group on Knee Pain for the Australian Commission on Quality and Safety in Health Care

Member: American Society for Bone and Mineral Research (ASBMR) Task Force on Long-Term Safety and Efficacy of Vertebral Augmentation

Member: International Organising Committee, Low back Pain Forum

Member: Working Group (ARA nominee), Australian Government Department of Health Medicare Benefits Schedule (MBS) Review of imaging for low back pain

Member: Working Group (ARA nominee), Australian Government Department of Health Medicare Benefits Schedule (MBS) Review of hip arthroscopy

Member: Advisory Committee Victorian Department of Health on the use of cannabis for medical purposes

Member: Scientific Advisory Committee, Defence Health Foundation

Member: Writing Group, Therapeutic Guidelines: Rheumatology, 3rd Edition

Chair: Osteoarthritis Clinical Care Standard Topic Working for the Australian Commission on Quality and Safety in Health Care

## Professor Allen Cheng

Member: Advisory Committee of Prescription Medicines

Member: Infection Control Guidelines Advisory Committee, NHMRC

Member: Australian Technical Advisory Group on Immunisation

Member: National Influenza Surveillance Committee

Member: Victorian Healthcare Associated Infection Committee

Member: Victorian Carbapenem Resistant Enterobacteriaceae Incident Management Team

Member: Antimicrobial Resistance Reference Group, National Prescribing Service

Member: Reference Group, Paediatric Active Enhanced Disease Surveillance

Writing group: Australian Commission on Safety and Quality in Health Care. Recommendations for the control of Multi-drug resistant Gram-negatives: carbapenem resistant Enterobacteriaceae

Expert Writing Group, Therapeutic Guidelines: Antibiotic

Editorial Board member: Acute Respiratory infections, Cochrane review group

Editorial Board: Transactions for the Royal Society for Tropical Medicine and Hygiene

Associate Editor: BMC Infectious Diseases

Statistical Advisor: Healthcare Infection

Associate Editor: Infection Disease and Health

### **Professor Flavia Cicuttini**

Committee member: Repatriation Medical Authority

Committee member: Victorian Rheumatology Heads of Unit Committee

Committee member: AIHW Arthritis Advisory Group

Ethics Committee member: Drugs & Interventions Applications sub-committee of the Alfred HREC

Ethics Committee member: Epworth Hospital

Editorial Board: Arthritis Research Therapy

Editorial Board: Arthritis and Rheumatology

Editorial Board: BMC Musculoskeletal

Editorial Board: MJA

NHMRC Assigners academy

OARSI Clinical Trial Guidelines Imaging Group

### **Professor D Jamie Cooper AO**

Chair: Australian and New Zealand Intensive Care Research Centre (ANZIC-RC) Advisory Board

Editorial Board Member of Journal of Neurotrauma

Editorial Board Member of Critical Care and Resuscitation, the journal of the College of Intensive Care Medicine

Member: Centre for Brain Injury Board

Member: Executive Management Committee, and CI-A on NHMRC Partnership Grant, Massive Transfusion Registry

Chair: Executive Management Committee, and CI-A on NHMRC CRE Grant, NHMRC Centre of Excellence for Patient Blood Management in Critical Illness and Trauma (Blood-CRE)

Member: Executive Management Committee, and CI-A on NHMRC Project Grant PHARLAP-RCT (Multi-Centre RCT Of An Open Lung Strategy Including Permissive Hypercapnia, Alveolar Recruitment, And Low Airway Pressure In Patients With ARDS)

Chair: Executive Management Committee, and CI-A on NHMRC Project Grant TRANSFUSE-RCT (Standard Issue Transfusion Versus Fresher Red Blood Cell Use In Intensive Care – a randomised controlled trial)

Member: Executive Management Committee, NHMRC/TAC-funded EPO-TBI RCT (A randomised controlled trial of erythropoietin in ICU patients with traumatic brain injury)

Chair: Executive Management Committee, and CI-A on NHMRC/TAC Project Grants POLAR-RCT (A randomised controlled trial of prophylactic hypothermia in severe traumatic brain injury)

Chair: Steering Committee, and CI-A on NHMRC CRE Grant, Centre of Excellence for Patient Blood Management in Critical Illness and Trauma (Blood-CRE)

Member: Steering Committee, and CI-A on NHMRC Project Grant PHARLAP-RCT (Multi-Centre RCT Of An Open Lung Strategy Including Permissive Hypercapnia, Alveolar Recruitment, And Low Airway Pressure In Patients With ARDS)

Chair: Steering Committee, and CI-A on NHMRC Project Grant TRANSFUSE-RCT (Standard Issue Transfusion Versus Fresher Red Blood Cell Use In Intensive Care – a randomised controlled trial)

Chair: Steering Committee, and CI-A on NHMRC/TAC Project Grants POLAR-RCT (A randomised controlled trial of prophylactic hypothermia in severe traumatic brain injury)

Convenor and Chair of the Organising Committee of the biennial Collaborative Clinical Trials in Intensive Care Medicine Conference, Prato, Italy

Chair and Head: The Alfred Department of Intensive Care Research Group

Member: Executive Management Committee, NHMRC-funded ITACS-RCT (IV iron for Treatment of Anaemia before Cardiac Surgery)

Member: Executive Management Committee, Monash-Alfred Injury Network

Member: Executive Management Committee, NHMRC Alfred-Monash Partners Advanced Health Research and Translation Centre's Critical Care, Trauma and Perioperative Medicine (CCT&PM) Theme

Member: The Alfred Hospital Timely Quality Care Committee

Member: The Alfred Hospital Clinical Outcome Review Committee

Member: The Alfred Hospital Evidence-Based Review Committee

Member: The Alfred Hospital ICU Leadership Executive

Member: The Alfred Hospital ICU Consultants Committee

Member: The Alfred Hospital ICU Guidelines Committee

### **Professor Susan Davis**

Board member and President Elect: International Menopause Society

Co-Chair: International Consultation on Sexual Medicine, International Society for Sexual Medicine

Chair: Scientific Programme Committee, 15th World Congress on the Menopause 2016

Member: NHMRC Practitioner Fellowship Peer Review Panel

Member: Endocrine Society Clinical Practice Guideline Panel for the Menopause

Member: Endocrine Society Clinical Practice Guideline Panel for the use of Androgens in Women

Member: Endocrine Society Partnership for the Accurate Testing of Hormones advisory panel

### **Professor Olaf Drummer**

Board member and immediate past president of The International Association of Forensic Toxicologists (TIAFT)

President of the Forensic and Clinical Toxicology Association of Australia Inc (FACTA)

### **Professor Jane Fisher**

President-Elect: International Marcé Society for Perinatal Mental Health

Member: National Health and Medical Research Council Translational Research Faculty

Temporary Technical Advisor: World Health Organization Western Pacific Regional Office

Member: Expert Advisory Group, World Health Organization Partnership for Maternal, Newborn and Child Health Expert Advisory Group on Maternal Mental Health

Member: National Health and Medical Research Council Expert Advisory Group for Mental Health and Parenting

Member: National Health and Medical Research Council Grant Review Panel, Epidemiology and Population Health

Member: Expert External Review Panel, UBS Optimus Foundation

Member: Human Research Ethics Committee, Epworth HealthCare

Chair: Psychosocial and Epidemiological Research in Reproduction Group, Royal Women's Hospital and Melbourne IVF

Member: International Board of Advisors, Research and Training Centre for Community Development Hanoi, Vietnam

Member: Royal Women's Hospital Research Committee

Member: Patient Care Advisory Committee, Masada Private Hospital

"Life and other catastrophes: Love, relationships, family and friendships" – a weekly 30 min. bulletin on 774 ABC Melbourne radio with Rafael Epstein

### **Professor Belinda Gabbe**

Committee member: International Collaborative Effort on Injury Steering Committee

Invitee: State Trauma Committee, Department of Health and Human Services

Committee member: Compensation Research Database Steering Committee

Committee member: BRANZ Steering Committee

Chair: Victorian Orthopaedic Trauma Outcomes Registry Steering Committee

Committee Member: Australasian Trauma Society

Committee member: Victorian State Trauma Outcomes Registry and Monitoring Group Steering Committee, Department of Epidemiology and Preventive Medicine

Committee member: Research Advisory Committee, Victorian Institute of Forensic Medicine

Associate Editor for the Journal of Science and Medicine in Sport

Associate Editor for Medicine

### **Professor Sally Green**

Member: NHMRC Advisory Group on the Synthesis and Translation of Research Evidence

Board Member: International Society for Evidence-Based Health Care

Committee Member: Orthopaedics Clinical Committee, MBS Taskforce

### **Professor Karin Leder**

Leadership group, GeoSentinel Surveillance Network

President: Asia Pacific Society of Travel Medicine

Editorial Board Member: Journal of Travel Medicine

Editorial Board Member: Travel Medicine and Infectious Diseases

Section Editor for Travel Medicine, UpToDate

Invited expert: WHO priority pathogens list

Invited expert: NHMRC Guideline Reform Methods Workshop

Executive board member: Asia Pacific Travel Health Society

Co-Chair: Scientific Programme Committee, International Society of Travel Medicine, 2017

Scientific Committee: Asia Pacific Conference on Travel Medicine, 2016

Member: Water Research Australia

### **Professor Danny Liew**

Committee Member: Advisory Committee Victorian Department of Health, Medical Cannabis Expert Advisory Committee

Committee Member: Commonwealth Department of Health and Ageing, Protocol Advisory Sub-Committee of the Medical Services Advisory Committee

Committee Member: Australian Health Practitioner Regulation Agency, Optometry Board Scheduled Medicines Advisory Committee

Editorial Committee Member: British Journal of Clinical Pharmacology

### **Professor Brian Priestly**

Co-opted Board member: Australasian College of Toxicology & Risk Assessment (ACTRA)

Member: Program Advisory Committee, CRC-CARE project on contaminants of emerging concern

Member: Scientific Reference Group for the Monash University Hazelwood Health Study

Member: NHMRC Disinfection By-products Advisory Committee

Member: NHMRC Working Group on Environmental Standard Setting

Member: FSANZ; Scientific Nanotechnology Advisory Group

Member: Northern Territory Government Expert Panel on Hydraulic Fracturing

Member: NSW Office of Chief Scientist & Engineer; Panel for the Lord Howe Island Rodent Eradication project

Member: Victorian Dept. Health; Expert Advisory Group for Potential Cancer Cluster Investigations

### **Professor Chris Reid**

Associate Editor: Clinical Experimental Physiology & Pharmacology

Associate Editor: Cardiovascular Therapeutics

Associate Editor: International Journal of Cardiology

International Editorial Consultant: ASEAN Heart Journal

National Coordinator: CLARIFY Registry

Committee member: International Steering Committee, Aspirin for the Prevention of Events in the Elderly (ASPREE)

Co-Chair: Publication & Ancillary Studies Committee, Aspirin for the Prevention of Events in the Elderly (ASPREE)

Faculty and Advisory Group Member: ASCEND (Asian Collaboration for Excellence in Non-Communicable Disease) Research Network

Chairman: Data and Safety Monitoring Board, AVOID Study (Air versus Oxygen in Myocardial Infarction)

Member: Monash Institute of Graduate Research

Member: Faculty Board, Monash Faculty of Medicine, Nursing and Health Sciences

Member: ACS Care Implementation & Advocacy Working Group, Heart Foundation

Collaboration and Exchange Awards Panellist: Heart Foundation

Chairman: Early Discharge following Acute Coronary Syndrome (EDACS) Data Safety Monitoring Board

Committee member: South East Asian Community Observation Scientific Advisory Board

Expert Panel Member: Management of Type 2 Diabetes NHMRC Guidelines

### **Professor Joan Ozanne-Smith**

Committee member: Editorial Committee for the World Health Organization's Global Report on Drowning

### **Professor Malcom Sim**

Editor-in-Chief: *Occupational and Environmental Medicine*, a specialty journal of the BMJ.

Member: Editorial Board of the Cochrane Collaboration OSH Review Group

Committee member: Human Research Ethics Committee of the Australian Institute of Health and Welfare

Board member: International Commission on Occupational Health (ICOH)

Chair: Ethics and Transparency Committee of ICOH

Chair: Organising Committee of the 2021 ICOH Congress to be held in Melbourne in March 2021

Committee member: Management Committee of the Epidemiology in Occupational Health Scientific Committee of ICOH (EPICOH)

Chair: Scientific Committee of the EPICOH Conference held in Barcelona in September 2016

Committee member: International Scientific Committee for the conference of the International Society for Environmental Epidemiology to be held in Sydney in 2017

Committee member: Occupational Health and Safety Advisory Committee for Worksafe Victoria

Committee Member: Scientific Advisory Committee for the Defence Health Foundation

Committee member: Grant review panel for the European Commission Horizon 20/20 program

Committee member: Exposure Assessment Committee, Mobi-Kids case control study of brain tumours in young people and mobile phones, funded under the European Commission 7th Framework program, Barcelona Spain

Member of the Scientific Advisory Board for the GERoNiMO study funded under the European Commission Horizon 20/20 program, Barcelona Spain

Committee member: Serum Management Committee to monitor use of serum samples collected during the Gulf War study, established by Department of Veterans' Affairs

Chair: Scientific Advisory Committee established by the Dept of Veterans' Affairs for the Longitudinal study of cancer and mortality in Australian F-111 Reseal-Deseal Defence workers

### **Professor Helena Teede**

Director Monash Centre for Health Research and Implementation – MCHRI, Monash University, in partnership with Monash Health

Head: Women's Public Health Research, School of Public Health and Preventive

Member: SPHPM Senior Executive

Professor and Endocrinologist: Diabetes and Vascular Medicine, Monash Health

Member: Monash Doctors Council

Member: Monash Health Research Council

Member: Monash Health Translation Precinct Executive Committee

Associate Editor: Clinical Endocrinology 2014

President: Endocrine Society of Australia

President Elect: International AEPPOS Society

Director: National Alliance on PCOS and NHMRC Centre of Research Excellence PCOS

Member: NHMRC CEO Advisory Committee on Translation of Evidence into Practice

Chair: NHMRC National Translation Faculty Diabetes Committee

Member: NHMRC National Translation Faculty Obesity Committee

Member: NHMRC National Data Reference Group

Member: NHMRC National Health Care Committee (HCC) – second triennium

Member: NHMRC National Research Committee

Member: NHMRC Research Translation Faculty Symposium Program Committee

Member: State Government/Cancer Council Steering Committee and advisory role in obesity prevention

Diabetes Australia – Victorian Clinical Advisory Committee member

### **Professor Andrew Tonkin**

Member-at-large: National Board, National Heart Foundation

International Associate Editor: Circulation

Member Editorial Board: Current Atherosclerosis Reports

Member Editorial Board: Cardiovascular Drugs and Therapy

Committee member: Cardiovascular Working Group within Internal Medicine Topic Advisory Group for revision of the International Classification of Diseases (ICD-II), World Health Organisation

Chairman of the Expert Advisory Group Committee: National System for Monitoring Cardiovascular Disease, Department of Health and Ageing (AIHW)

Committee member: National Vascular Disease Monitoring Advisory Group, Department of Health and Ageing (AIHW)

Chairman: LIPID Management Committee, National Heart Foundation of Australia

Chairman: Data and Safety Monitoring Committee CAAN-AF

Committee member: Executive Indigenous Council, Cardiac Society of Australia and New Zealand

Chairman: Data and Safety Monitoring Board ATACAS

Committee member: Data and Safety Monitoring Board, REVEAL

Committee member: Steering Committee, CAUGHT-CAD

**Professor Barbara Workman**

Chair: MONARC Advisory Committee, Monash University

Committee Member: Bachelor of Health Science Course Advisory Committee, Swinburne University of Technology

Committee Member: Victorian Geriatric Medicine Training Program (VGMTP) Advisory Committee, Australian and New Zealand Society for Geriatric Medicine (Victorian Division) / Department of Health & Human Services, State Government of Victoria

Medical Lead: Residential Inreach, Monash Health

Medical Lead: Pain Clinic Co-ordinators Group, Monash Health

Member: Victorian Care of Older People Clinical Network, Department of Health & Human Services, State Government of Victoria

Member: Subacute Peak Body, Department of Health & Human Services, State Government of Victoria

Board Member: Faculty of Medicine, Nursing & Health Sciences, Monash University

Board Member: Royal Australasian College of Medical Administrators (RACMA)

Chair: Senior Medical Staff Association, Monash Health

**Professor John Zalberg**

Chair: Australian Clinical Trials Alliance

Non-Executive Director: Board of Australian Red Cross Blood Service

Co-Chair: Cancer Drugs Alliance

Monash Partners Comprehensive Cancer Consortium Executive Committee

Member: Cancer Council Australia, Management Committee for Revision of Guidelines for Colorectal Cancer

Member: International Trial Management Committee for ALT GIST trial

Member: International Consortium Health Outcomes Measurement (ICHOM) Colorectal Cancer Working Group

Member: Project Advisory Committee for the National Indigenous Bowel Screening Pilot

Member: Promoting Ethics and Education in Research (PRAXIS) Advisory Committee

Member: Hong Kong Phase 1 Joint Scientific Committee – Gastrointestinal Cancer and Drug development

Judging Panel: 2016 Victorian Public Healthcare Awards, Dept of Health & Human Services

Member: ASPirin in Reducing Events in the Elderly (ASPREE) International Steering Committee

Ambassador: Club Melbourne

Member: ANZ Breast Cancer Trials Group (BCTG) Independent Data Safety & Monitoring Committee

Member: External Advisory Board of South London Integrated Cancer Centre

Member: Australian Academy of Health and Medical Sciences, Fellowship Selection Committee

Panel member: 2017 Gilead Fellowship Program

Invited Panellist: Nature Research Seminar “Research Translation and Innovation”

Member: Victorian Cancer Agency, Health Services Advisory Group

Member: School of Public Health and Preventive Medicine, Monash University, Registry Sciences Unit Leadership Committee

Registry Services and Management Leadership Committee, School of Public Health and Preventive Medicine, Monash University

Member: Gastric & Esophageal Cancer Global Advisory Board, Merck Sharp & Dohme (Australia)

**Professor Sophia Zoungas**

Member: Research Committee SPHPM

Member: NHMRC Translation Faculty Diabetes

Chair: CONTROL Trial, Collaborators on Trials of Glucose Lowering organising committee

Chair: National Association of Diabetes Centres Steering committee

Vice President and President Elect: Australian Diabetes Society (ADS) council.

Member: International Hypoglycaemia Study Group (IHSG)

Member: Australian Institute of Health & Welfare Diabetes Expert Advisory Group

Member: Expert Reference Group for E-health and Coordinated Care Program, and Data Utilisation and Analytics National Development Program, Diabetes Australia

Associate editor: Diabetic Medicine

National leader: Australian National Diabetes Audit collection for 2013-2015

Member: High Level Health Claims Committee and Health Claims Scientific Advisory Group (HCSAG) for Food Standards Australia New Zealand (FSANZ)

Member: Diabetes Australia Board

Member: Australian Diabetes Educators Association (ADEA) Research Foundation Board.

National leader and medical advisor: CANVAS and CANVAS R trials

Advisory board participation: Merck Sharpe and Dolme, Sanofi, BI/Lilly Pharmaceuticals

**Associate Professor Ilana Ackerman**

Editorial Board member: Journal of Physiotherapy

Section Editor: Journal of Physiotherapy

Editorial Board member: Arthritis Care and Research

Committee member: Osteoarthritis Clinical Care Standard Working Group for the Australian Commission on Quality and Safety in Health Care

Committee member: External Expert Advisory Committee (Victorian Model of Care for Osteoarthritis), Department of Health and Human Services

**Associate Professor Barbora de Courten**

Member: Eli Lilly Australia Medical Advisory Board

**Associate Professor Deborah Glass**

Editorial Board member: Annals of Work Exposures and Health

Committee chair: Australian Institute of Occupational Hygienists (AIOH) Mentoring Subcommittee.

Committee member: Cancer Council of Australia's Occupational and Environmental Cancer Subcommittee

Committee member: RMIT Occupational Health and Safety course Review Committee

Committee member: American Conference of Governmental Industrial Hygienists (ACGIH) TLV Standards Setting committee

Committee chair: Scientific committee for the 2017 AIOH Conference Canberra

Invited Expert: IARC Monograph 120 Benzene Lyon October 2017

Committee member: Farm Safe, Victorian Farmers Federation

**Associate Professor Dragan Ilic**

Editorial Board Member: Journal of Biomedical Research

Committee Member: International Society of Evidence Based Health Care

Committee Member: Society for Cost and Value in Medical Education

Editor for Cochrane Urology

**Associate Professor Jeffrey Lefkovits**

Clinical co-lead: Victorian Cardiac Clinical Network, Department of Health, Victoria

Committee member: Victorian Policy Advisory Committee on New Technology (VPACT), Department of Health, Victoria

Member: Acute Coronary Syndrome (ACS) Clinical Care Standard Topic Working Group, Australian Commission on Safety and Quality in Health Care (ACSQHC)

Member: Clinical Reference Group, Medibank Private

**Associate Professor David Newman**

Presiding Councillor: Specialist Medical Review Council, Department of Veterans Affairs

Deputy Chair: Science and Technology Committee, Aerospace Medical Association, United States

Member: Editorial Review Board, Aerospace Medicine and Human Performance journal, United States

Member: Board of Directors, Australasian College of Aerospace Medicine

Member: Assessments sub-committee, Australasian College of Aerospace Medicine



**Associate Professor Ben Smith**

Board Director: CBM Australia

Member: Victorian Active Partnership Advisory Group

Committee member: Andrology Australia Management Group

Member: Editorial Advisory Board of Health Promotion Journal of Australia

**Associate Professor Peter Smith**

Steering committee member: The Institute for Safety, Compensation and Recovery Research (ISCR) Compensation Research Database

Committee member: The Institute for Safety, Compensation and Recovery Research (ISCR) Return to Work and Recovery and Compensation Systems Research Program Advisory Group

Member: Victorian WorkCover Authority's Leading Thinkers Network

**Associate Professor Bing Wang**

Executive committee member of Australia Chinese Association for Biomedical Science (ACABS)

**Associate Professor Erica Wood**

Vice-president and board member: International Society of Blood Transfusion

President: International Haemovigilance Network

Committee member: WHO Expert Advisory Panel in Transfusion Medicine

Chair: Standing Committee of the Academy of the International Society of Blood Transfusion

Committee member: Foundation of the International Society of Blood Transfusion

Committee member: International Collaboration for Transfusion Medicine Guidelines (ICTMG)

Committee member: Australian National Haemovigilance Advisory Committee

Committee member: Advisory Committee, Blood Matters/ Better Safer Transfusion Program, Department of Human Services, Victoria

Committee member: Victorian Blood Matters Serious Transfusion Incident Reporting (STIR) haemovigilance program expert group

Committee member: Pharmaceutical Subcommittee of the Advisory Committee on Prescription Medicines, Therapeutic Goods Administration

Committee member: Cancer Council Victoria, Clinical Network, Haemato-Oncology Committee

Committee member: ISBT Working Parties on transfusion-transmissible infectious diseases, clinical practice, haemovigilance and global blood safety

Committee member: Haematology Society of Australia and New Zealand/Australia and New Zealand Society of Blood Transfusion and Australasian Society of Thrombosis and Haemostasis (HAA) annual scientific meeting local organising committee, Melbourne 2016

Chair: International Haemovigilance Seminar, scientific/organising committee, Paris 2016

Committee member: Australia and New Zealand Society of Blood Transfusion Research Advisory Committee

Committee member: Australasian Leukaemia & Lymphoma Group supportive care committee

Committee member: ANZIC-RC Board

Chair: ASPREE clinically significant bleeding endpoint adjudication committee

Editorial board member: Transfusion Medicine, journal of the British Blood Transfusion Society and the Network for Advancement of Transfusion Alternatives

Editorial board member: Transfusion Medicine Reviews

**Associate Professor Anita Wluka**

Committee member: NHMRC Postdoctoral Reference Group

Coordinator: Victorian branch of the Australian Rheumatology Association, Annual Scientific Meeting, 2014 –

Royal Australian College of Physicians, Grant Advisory Committee, 2015 –

Editorial Board: Journal of Science and Medicine in Sport (September 2013, ongoing)

Editorial Board member: Academic Editor, PeerJ (July 2012, ongoing)

Section editor: BMC Musculoskeletal disorders (May 2010, ongoing)

Editorial Advisory Board: The Open Orthopaedics Journal





**Further information**

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