

## RESEARCH HIGHLIGHTS 2018

The Faculty of Health Science and Medicine research performance for 2018:

- contributed 91% of the total HERDC research income to the University,
- maintained a consistent output of ERA publications with 289,
- graduated eight HDR students in 2018.

### Research Awards

- Dr Jaimon Kelly: 2018 Vice Chancellor's Award for Early Career Research Excellence Achievements
- Professor Tammy Hoffman: awarded a National Health & Medical Research Council (NHMRC) Senior Research Fellowship
- Professor Paul Glasziou was named in the global Highly Cited Researchers 2018 list.
- Dr Amanda McCullough: BUPA Health Foundation's Emerging Health Researcher Award
- HDR student Amanda Tauber was awarded the Queensland Annual Chemical Symposium Best Oral Presentation.
- Honours student Amelia Jack was awarded the Australian Society of Clinical and Experimental Pharmacologists and Toxicologists Best Oral Presentation.

### Research Achievements

- The Centre for Research in Evidence Based Practice (CREBP) was awarded \$2.49 million from the National Health and Medical Research Council (NHMRC) for an Australian-first project, aimed at curbing the global epidemic by focusing on antibiotic use in primary care.
- Professor Chris Stapelberg has been awarded \$560,000 in Federal Government funding for research into suicide prevention treatments to be trialled on the Gold Coast.
- The Centre for Urology was awarded the 2018 Richard Millard Award from the Australian Bladder Foundation for their project "Mechanisms of bladder dysfunction caused by psychological stress & benefit of current clinical therapies."
- Associate Professor Justin Keogh was second investigator on the Muscling Up Against Disability project funded by the Federal Government's Department of Social Services.
- The Tactical Response Unit won a consultancy to perform a rapid review of training at the Australian Defence Force Academy to review the current physical training and load carriage conditioning undertaken by cadets at the Academy.
- Dr Kristen MacKenzie-Shalders and the Nutrition and Dietetics team have launched a new study that challenges the widely-held belief that gaining muscle mass will lead to weight loss.
- Associate Professor Magnolia Cardona is leading a study on a call for the restraint on use of aggressive treatments for elderly people near the end of their natural lives.
- Dr Ray Moynihan featured in the National Australia Doctor, warning doctors not to be intoxicated by the genomic technology which is likely to lead to overdiagnosis and overtreatment.
- Professor Chris del Mar received significant media coverage after questioning the value of population-wide flu vaccinations in a controversial presentation at the inaugural GP's Down Under conference. Professor del Mar talked to RACGP on how residential aged care facilities are an important frontier in antibiotic stewardship and the particular challenges they present to GPs.

### Selected Research Publications

- Associate Professor Lotti Tajouri's publication included in high impact journal Cell, is titled "Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk".
- Associate Professor Vernon Coffey was co-author of a paper published in highly prestigious journal Nature Communications, titled "JNK regulates muscle remodeling via myostatin/SMAD inhibition".
- Dr Nikki Milne co-published "Five facts about Paediatric Physiotherapy" in the Australian Physiotherapy Association's InMotion Magazine highlighting the growing problem of

## CONTACT DETAILS

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childhood obesity within Australia and the physiotherapist's contribution to the therapeutic assessment and management of these children.

### Conferences

- Professor Liz Isenring was an invited plenary speaker to the 10th Hong Kong Parenteral and Enteral Nutrition conference.
- Centre for Urology researchers Professor Russ Chess-Williams, Associate Professor Donna Sellers and PhD students Eliza and Eleanor West delivered four open discussion presentations at the International Continence Society in Philadelphia USA.
- Dr Rob Orr presented at the National Strength and Conditioning Association Tactical Strength and Conditioning Annual Training Conference in Norfolk, Virginia.
- Professor Peter Reaburn was an Invited Keynote Speaker at the 18th Australian Chiropractic Association Annual Conference with the theme of Positive Ageing.
- The Centre for Urology Research presented at the 18th World Congress of Basic and Clinical Pharmacology in Kyoto, Japan.

### Events

- HSM Medical Program Research Conference: Courageous Conversations was attended by 490 participants. The Medical Program's cohort of 94 medical students had an opportunity to showcase findings of their individual and group research projects.
- Research Speed Event provided HSM researchers with an opportunity to share their research, network and establish cross-discipline collaborations.
- Research Week HSM HDR Symposium provided the opportunity for higher degree research students to showcase their work in research.
- Professor Russ Chess-Williams and Associate Professor Donna Sellers hosted a networking event for the Quality Use of Medicines (QUM) Network.
- Dr Anna Lohning hosted a seminar focusing on Bond's ginger research to a delegation of government officials from India, India's High Commission and other stakeholders.

### Higher Degree Research Completions

- Dr Gina Cleo - Maintaining weight loss: a look at habits (PhD thesis)
- Dr Peter Coxeter - Towards shared decision making: exploring new ways of communicating evidence to patients about the benefits and harms of antibiotics for acute respiratory infections (PhD thesis)
- Dr Aaron Wellman - Quantification of the Physical Demands and Perceived Wellness Associated with Practice and Competition in NCAA Division 1 College Football Players (PhD thesis)
- Dr Cherie Hugo - The Lantern Project: illuminating the value of nutrition in older Australians (PhD thesis)
- Dr Jaimon Kelly - Lifestyle management in chronic kidney disease: telehealth strategies for effective self-management (PhD thesis)
- Stuart Skabo - Retinal Tissue Engineering (Masters thesis)
- Dr Samantha Fein - Gait performance in residential aged care adults and the benefits of exercise (PhD thesis)
- Dr Damon Arezzolo - Physiological Determinants of Anaerobic Capacity (PhD thesis)



*Professor Liz Isenring, Head of  
Program Nutrition & Dietetics*



*Associate Professor Rob Orr,  
Tactical Research Unit Co-lead*