# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOREWORD - PRO VICE-CHANCELLOR (RESEARCH)</td>
<td>1</td>
</tr>
<tr>
<td>MEASURING OUR SUCCESS</td>
<td>2</td>
</tr>
<tr>
<td>FEATURED GRANTS</td>
<td>3</td>
</tr>
<tr>
<td>FEATURED RESEARCH</td>
<td>6</td>
</tr>
<tr>
<td>FEATURED RESEARCHERS</td>
<td>9</td>
</tr>
<tr>
<td>BOND UNIVERSITY RESEARCH STRATEGY</td>
<td>11</td>
</tr>
<tr>
<td>Faculties and Research Centres</td>
<td>11</td>
</tr>
<tr>
<td>UNIVERSITY RESEARCH CENTRE HIGHLIGHTS</td>
<td>12</td>
</tr>
<tr>
<td>Centre for Human Health and Performance</td>
<td>12</td>
</tr>
<tr>
<td>Centre for Research in Evidence-Based Practice</td>
<td>12</td>
</tr>
<tr>
<td>FACULTY RESEARCH CENTRE HIGHLIGHTS</td>
<td>12</td>
</tr>
<tr>
<td>Centre for Actuarial and Financial Big Data Analytics</td>
<td>14</td>
</tr>
<tr>
<td>Centre for Urology Research</td>
<td>14</td>
</tr>
<tr>
<td>Centre for Autism Spectrum Disorder</td>
<td>15</td>
</tr>
<tr>
<td>Clem Jones Research Centre for Stem Cells and Tissue Regenerative Therapies</td>
<td>15</td>
</tr>
<tr>
<td>Centre for Comparative Construction Research</td>
<td>16</td>
</tr>
<tr>
<td>FACULTY HIGHLIGHTS</td>
<td>16</td>
</tr>
<tr>
<td>Faculty of Business</td>
<td>17</td>
</tr>
<tr>
<td>Faculty of Society and Design</td>
<td>19</td>
</tr>
<tr>
<td>Faculty of Law</td>
<td>20</td>
</tr>
<tr>
<td>Faculty of Health Sciences and Medicine</td>
<td>22</td>
</tr>
<tr>
<td>RESEARCH WEEK</td>
<td>23</td>
</tr>
<tr>
<td>FEATURED PUBLICATIONS</td>
<td>25</td>
</tr>
<tr>
<td>AWARDS, PRIZES AND FELLOWSHIPS</td>
<td>27</td>
</tr>
<tr>
<td>HIGHER DEGREE BY RESEARCH (HDR) HIGHLIGHTS</td>
<td>29</td>
</tr>
<tr>
<td>HDR Events</td>
<td>29</td>
</tr>
<tr>
<td>HDR Graduations</td>
<td>30</td>
</tr>
<tr>
<td>HDR Confirmations</td>
<td>31</td>
</tr>
<tr>
<td>HDR Achievements</td>
<td>32</td>
</tr>
<tr>
<td>EVENTS, CONFERENCES AND VISITING SCHOLARS</td>
<td>33</td>
</tr>
<tr>
<td>Research Events</td>
<td>33</td>
</tr>
<tr>
<td>Conferences</td>
<td>33</td>
</tr>
<tr>
<td>Visiting Scholars</td>
<td>35</td>
</tr>
<tr>
<td>International Collaborations</td>
<td>35</td>
</tr>
<tr>
<td>KEY 2014 RESEARCH STATISTICS</td>
<td>36</td>
</tr>
<tr>
<td>Publications</td>
<td>37</td>
</tr>
<tr>
<td>Research Income</td>
<td>38</td>
</tr>
<tr>
<td>Higher Degree by Research (HDR) Students</td>
<td>40</td>
</tr>
<tr>
<td>APPENDIX A: RESEARCH COMMITTEES</td>
<td>41</td>
</tr>
<tr>
<td>APPENDIX B: 2014 CITATIONS REPORT</td>
<td>44</td>
</tr>
</tbody>
</table>
I am pleased to present the Bond University 2014 Research Highlights Report.

The environment for research in Higher Education Providers in Australia is increasingly challenging. The competition for the best talent, resources and funding is global and intense. These challenges are particularly acute at Bond with a history of being teaching intensive, having relatively small research funding from external sources and with a still developing research performance culture relative to other competitor public institutions. Despite these challenges, researchers at Bond are making significant contributions to national research efforts across a number of disciplines.

Ensuring that Bond and its research community is well positioned to respond to these challenges forms the basis of the Research Strategic Plan (2014-2018). The Plan sets out a vision and strategy to position high quality and focused research as core to University business. This plan sets bold measures of research success for the University and its students that reflect the critical function of the University in society as an institution for learning, discovery, scholarship and invention; and it recognises that Bond has quickly developed its research profile and productivity over a relatively short time frame. It also acknowledges that productivity needs to be supported by capacity building investments and strategy to facilitate research impact. This capacity building will focus on developing our people (staff and students), our physical and data infrastructure and our support systems.

A University’s research status, productivity and impact, is to a large part, a reflection of the quality of its researchers and the people and systems that support researchers. Improving and modernising the internal resourcing, systems and supports for research have been at the forefront of changes and activity in the research portfolio during 2014. I am confident that these changes and our institutional ambitions for growing our research impact are evidenced by the content of this 2014 and future research highlight reports.

Professor Roger Hughes
Pro Vice-Chancellor (Research)

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The University will measure the impact of the Research Strategy through six key performance indicators. Each Faculty, Institute and Research Centre will set annual targets and report their progress towards achieving the objectives in this strategy and the indicators outlined below.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of research active staff</td>
<td>65%</td>
<td>69%</td>
<td>75%</td>
</tr>
<tr>
<td>Equivalent Full Time Student Load (EFTSL)</td>
<td>131 (2.8% of total student population)</td>
<td>155 (2.8% of total student population)</td>
<td>5% of total student population</td>
</tr>
<tr>
<td>Number of weighted publications as reported in the Higher Education Research Data Collection (HERDC)</td>
<td>320.2</td>
<td>264.3</td>
<td>400.0</td>
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<tr>
<td>Value of externally funded research grants</td>
<td>$3.3million</td>
<td>$4.9million</td>
<td>$6million</td>
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<tr>
<td>Value of Category 1 and Category 3 (International A) Peer-Reviewed Competitive Grant Funding as reported in the Higher Education Research Data Collection (HERDC)</td>
<td>$1.6million</td>
<td>$3.1million</td>
<td>$3.2million</td>
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<tr>
<td>HDR On-Time Completions</td>
<td>• New measure</td>
<td>• 37.5% (4 years FTE)</td>
<td>• 70% (4 years FTE)</td>
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<tr>
<td>• PhD</td>
<td>• New measure</td>
<td>• No data available</td>
<td>• 100% within 48 months</td>
</tr>
<tr>
<td>• SJD (Law)</td>
<td>• New measure</td>
<td>• 66.6% within 24 months</td>
<td>• 100% within 24 months</td>
</tr>
<tr>
<td>• Masters by Research</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MATADOR 2

FUNDED BY NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL (NHMRC)

Lead researcher: Professor Nuala Byrne
Professor Nuala Byrne is the Director of the Collaborative Research Network for Advancing Exercise and Sports Science (CRN-AESS) at Bond University. She has extensive experience managing dietary and exercise interventions for weight loss and metabolic health improvement in obese, diabetic, non-alcoholic fatty liver disease and managing numerous other clinical groups.

MATADOR 2: ACHIEVING MORE EFFECTIVE WEIGHT LOSS WITH INTERMITTENT ENERGY RESTRICTION

This Bond-led project was built on a 2008 NHMRC grant (Matador), which provided convincing evidence that weight loss interventions in obese men were more effective if cyclical phases of dietary restriction (weight loss) and energy balance (weight maintenance) were performed. This finding was in contrast to the most common approach to weight loss of straightforward restriction of energy intake via dieting. The Matador 2 project brought together researchers from the Garvan Institute of Medical Research, Queensland University of Technology and University of Queensland to determine whether the same applied to obese women and if, when given strategies to improve nutrition knowledge and food selection skills, obese men and woman were able to follow and adhere to the intermittent dieting model and achieve weight loss comparable to the first study.

PROFILING INJURIES IN ARMY RESERVE PERSONNEL

FUNDED BY DEFENCE HEALTH FOUNDATION

Lead researcher: Dr Rob Orr
Dr Rob Orr served in the Australian Army in a full time capacity for 23 years as an infantry soldier and Defence Force Physical Training Instructor. During this time his fields of research included physical conditioning and injury prevention for military personnel, with a key focus on combat load carriage. He still serves in the Army Reserve in this capacity.

The study, for the first time in Australia, examined the rates, types and sources of injuries sustained by Australian Army Reserve (ARES) personnel during active service. It also compared the patterns of these injuries with those suffered by Australian Regular Army (ARA) personnel. This information is crucial for guiding future injury risk management by ensuring that it is appropriately targeted and designed to reduce rates of injury in ARES personnel during active service. Although ARES personnel are often required to complete the same physical fitness assessments, participate in the same field exercises and deploy on the same combat operations as ARA personnel, they typically do not experience the same amount of military physical conditioning due to their shorter terms of active service. Although this would suggest that injury rates would be higher, actual rates were unknown before this project.
MINPARC RESEARCH COLLABORATION

Co-Chair as Lead Institution Representative: Professor Roger Hughes
Professor Roger Hughes is the Pro Vice-Chancellor (Research) and Professor in the Faculty of Health Sciences and Medicine. His research interests have two main foci: public health nutrition intervention research and public health workforce development.

MINPARC, a collaboration involving Bond University, Curtin University and Mater Research Institute, was established to pool expertise and leverage resources to support an inter-disciplinary program of research that focusses on maternal and infant nutrition, physical activity and the downstream impacts of these determinants on maternal and infant health, growth and development. The initial impetus for the establishment of MINPARC was to support the International Multi-Centre Body Composition Reference Study (MCBCRS) auspiced by the International Atomic Energy Agency (IAEA), the World Health Organisation (WHO) and Oxford University.

A number of spin-off projects are to be developed over time including:

- Study 1: Longitudinal study of infant feeding practices;
- Study 2: Consensus on obesity prevention strategies targeting pregnant women;
- Study 3: Active mom – attenuate risk by communicating treatment information via electronic methods for overweight, obese and at risk mums;
- Study 4: Positive deviance analysis of young mothers who successfully breastfeed;
- Study 5: Post-partum weight loss;
- Study 6: Pregnancy weight gain;
- Study 7: Appetite regulation during breastfeeding.

RIRDC PROJECTS

FUNDED BY RURAL INDUSTRIES RESEARCH AND DEVELOPMENT CORPORATION (RIRDC)

Lead researcher: Professor William van Caenegem
William van Caenegem studied law in Belgium and the UK and is interested in comparative and transnational law, intellectual property law, evidence and criminal procedure. He has been a visiting professor at the Sorbonne University, Paris and the University of Ghent, Belgium and is currently a visiting professor at the University of Gothenburg, Sweden.

This RIRDC project sought to better understand the use of collective bargaining in the agricultural sector. In particular, RIRDC sought to find examples of where collective bargaining was being used effectively and to identify barriers to greater uptake of opportunities for collective bargaining. The project also involved the development of recommendations with regard to policy, and strategies to improve uptake of opportunities for farmers to identify and collectively bargain with the regional and peak bodies in supporting these processes.

THE SURF HAZARD RATING MODEL

FUNDED BY SURF LIFE SAVING AUSTRALIA (SLSA)

Lead researcher: Professor Kuldeep Kumar
Project Manager: Mr Gary McCoy

THE SURF HAZARD RATING MODEL: A DECISION SUPPORT TOOL FOR SURF BOAT COMPETITIONS

In response to the deaths of three young lifesavers during Australian Surf Lifesaving competitions between 1996 and 2013, SLSA decided to mandate the wearing of surf helmets in surf boat competition and training effective from 1 October 2014. This decision included a nominal wave height of one metre as the threshold for mandatory use of surf helmets. When this decision proved controversial, Bond University was commissioned to compile data and report to SLSA on whether the threshold wave height was appropriate.

To do so, the team developed a tool (the SHR Model) to assist surf safety practitioners to make risk related decisions regarding the level of danger of surf conditions and the need to wear surf helmets. The model involved observation, measuring and scaling of seven major surf characteristics: wave height, wave type, wave period, surf zone width, surface turbulence, littoral drift, rip current and less frequently occurring hazards such as rocks and water temperature.
THE POTENTIAL BENEFITS FOR AUSTRALIAN AGRICULTURE OF A DOMESTIC FOOD GI REGIME

A Geographical Indication (GI) is a name or sign used on certain food products which corresponds to a specific geographical location or origin. The use of a GI may act as a certification that the produce possesses certain qualities, is made according to traditional methods, or enjoys a certain reputation, due to its geographical origin. Although Australia has introduced a statutory GI regime for wine and spirits, it has not introduced a similar regime for other foods or beverages. Australia has tended to consider higher international standards of GI protection as providing disproportionate benefits to European producers. This project addressed two questions: Should Australia as an exporter of agricultural products revise its international position on GIs? Should Australia assess the costs and benefits of food GIs from the perspective of their effects on regional development?

COSTS AND BENEFITS OF CENTRALISED HIGH PERFORMANCE TRAINING PROGRAMS IN RUGBY SEVENS

FUNDED BY INTERNATIONAL RUGBY BOARD

Lead researcher: Associate Professor Danny O’Brien

Associate Professor Danny O’Brien is Head of the Sport Management Program at Bond University and has research interests in sustainable surf tourism, event leveraging and organisational change. He is a visiting professor at both the Centre for Surf Research at San Diego State University and the Plymouth Sustainability and Surfing Research Group, Plymouth University, UK.

In high performance (HP) sport, centralised training refers to where select athletes live and train together on a full time basis. Centralisation is not new to HP sport but it is new to rugby. Internationally, centralisation has been applied in a number of ways, mixing full and part time athletes with central and regional academies. This research examines interpretations of centralisation in international rugby sevens, and related costs and benefits.

The progress reports post Noosa and Gold Coast Sevens (Dec 2014); post Dubai Sevens (Jan 2015); post Hong Kong Sevens (April 2015) and final report (July 2015) will combine to inform future International Rugby Board decision making regarding guidelines, review processes and resource allocations to facilitate desired outcomes from member unions’ HP rugby sevens training regimes.

BOND UNIVERSITY-EDUCATION QUEENSLAND PARTNERSHIP: RESEARCH INTO PEDAGOGICAL PRACTICES FOR STUDENTS WITH AN AUTISM SPECTRUM DISORDER

FUNDED BY EDUCATION QUEENSLAND

Lead researcher: Professor Vicki Bitsika

Professor Vicki Bitsika has specialised in the assessment and management of learning and behavioural difficulties with a particular focus on Autism Spectrum Disorders across the lifespan. She is a practicing clinical psychologist and has maintained her professional practice since 1986.

RESEARCH INTO PEDAGOGICAL PRACTICES FOR STUDENTS WITH AN AUTISM SPECTRUM DISORDER

A number of research projects were implemented under the umbrella of this partnership between Education Queensland and Bond University, which operated from 2012 to 2014. It was designed to provide teachers and teacher aides with tools that would allow them to support students with Autism Spectrum Disorder (ASD) who exhibited challenging behaviour to remain in mainstream schools. This included researching and disseminating findings on psycho-social barriers to effective learning and social engagement in students with an ASD.
After almost 12 months of planning, Bond’s Architecture teachers and students have finally seen their light installation, Cellular Tessellation, come to life at Sydney’s Vivid Light Festival. The S-shaped pavilion measured nine metres long and up to 3.3 metres high is proved to be one of the stand-out attractions of the 2014 Vivid Light Festival, which on opening night alone attracted an estimated 100,000 people. “The public response to our installation has been overwhelming,” said Mr Chris Knapp from the Bond University Abedian School of Architecture. “On Friday, Saturday and Sunday nights there was a queue of 100 people or more waiting to get inside and experience our pavilion.”

Throughout the Festival, which ran from 23 May to 9 June, the light installation was viewed by an estimated 800,000 festival-goers as part of the Vivid Light Walk that extended from the Opera House around Circular Quay to The Rocks area. Cellular Tessellation will be made available for sale after its showing at Vivid and the Bond team is hoping it will eventually find a home on the Gold Coast.

The geometric architectural installation is a complex structure made up of 380 individual cells that each perform a slightly different function so that the surface can curve in different directions. The project was constructed by Bond architecture staff and students in the workshop and also in the foyer of the Abedian School of Architecture. It was then transferred to Sydney, where 21 architecture students from the University of NSW, University of Sydney and UTS helped to assemble it on site.

“It was fantastic to see the architecture community come together to support the project and bring the exhibit to life,” Mr Knapp said. “Our key challenge was to utilise a novel software application, firstly to test and validate our design theory and then to create digital templates for each individual piece to be laser-cut and CNC-routed in the workshop,” he said. “The construction phase was the moment of truth. We had to fit together 1200 uniquely shaped pieces and 3000 bolts and plywood spacers with absolute precision. “No two cells in the entire piece are the same shape and size – a bit like the markings on a giraffe – but, using the advanced design and fabrication technology we’ve developed, they all fit together perfectly.”

The tunnel-like pavilion was threaded with 200 metres of strip LED totalling around 4,500 lights and sealed with a covering skin of weather-resistant HDPE plastic.

Mr Knapp worked on the concept and design with Mr Jonathan Nelson, Masters student Michael Parsons and Fabrications Laboratory Manager Nathan Freeman at Bond’s Abedian School of Architecture, in collaboration with Byron-based consulting engineer, Phil Wallace. Three Bond students who have started up their own workshop in nearby Mermaid Beach were also brought into the fabrication stage of the project.

“Aside from the prestige of being accepted for the Vivid Light Festival and the excitement of seeing the public respond so positively to the installation, the most exciting aspect of this whole project is that the techniques and systems we’ve been researching can be universally applied to other, bigger structures and buildings,” said Mr Knapp. “There are very few people in the world doing this kind of work and only a handful adapting it to a project of this scope and size. We've pushed the boundaries to find techniques that offer a better way to design and fabricate complex forms and we'll continue that development by exploring how it can next be achieved using robotic fabrication and assembly through our new robotics lab here at the University”.

FEATURED RESEARCH

Vivid Festival

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Diarrhea and candidiasis can result from taking the common antibiotic treatments, amoxicillin and amoxicillin–clavulanic acid, although harms may be underreported, according to a study published in (Canadian Medical Association Journal) CMAJ.

Amoxicillin is the most commonly prescribed antibiotic for respiratory infections by primary care physicians, and is often prescribed in combination with clavulanic acid. However, the benefits of antibiotics for respiratory infections are often minor, so it is important for physicians and patients to weigh the benefits and harms of taking such medications. Because antibiotic resistance is now common, it is particularly important to use antibiotics wisely.

“The root cause of antibiotic resistance is the over use of antibiotics, and therefore these drugs should not be prescribed when the benefits do not outweigh the harms,” states Professor Del Mar, Centre for Research in Evidence-Based Practice at Bond University, with coauthors.

Evidence of common harms from antibiotics is lacking, as most data comes from observational studies rather than randomized controlled trials. Researchers conducted a systematic review of controlled trials involving adults and children to qualify and quantify harms of amoxicillin in order to better inform physicians of the risks and benefits of prescribing these antibiotics. Twenty-five studies included information on harms, suggesting under-reporting of adverse effects. Antibiotics were prescribed in primary care in 15 studies (33%), dental care (9 studies, 20%), treatment (25 studies, 56%) or prevention (20 studies, 44%). The total number of participants was 10,519, with 4,280 receiving only amoxicillin, 1,005 receiving amoxicillin–clavulanic acid and 5,234 receiving a placebo.

The researchers found that diarrhea was more than three times as likely in people taking amoxicillin–clavulanate. Candidiasis was also associated with the use of amoxicillin–clavulanic acid.

“Reported harms were fewer than we expected from clinical anecdotal experience and observationally-derived data, which have primarily reported common harms as rashes (at rates of 5%-8% of those treated and even higher, up to 20%, among those with mononucleosis treated with amoxicillin) and gastrointestinal disturbance,” write the authors.

“Under-reporting of harms in trials remains widespread, and until that problem is addressed, under-reporting will flow to systematic reviews and other evidence syntheses such as guidelines.”

“The important consequence of under-reporting of harms,” said Dr Del Mar, “is the tilting of the balance of benefits and harms towards amoxicillin.” The authors hope these findings will be useful to clinicians talking to patients about the harms as well as the general lack of efficacy for these common antibiotics to treat acute respiratory infections in primary care. However, the ability “of clinicians and patients to make fully informed decisions about using amoxicillin and amoxicillin–clavulanic acid is hampered by poor measurement and reporting,” they conclude.

In a related commentary, Dr Yoon Loke of the Norwich Medical School, University of East Anglia, Norwich, United Kingdom, writes “[These] findings are important for prescribers and patients around the world who must weigh the benefits and harms of empiric amoxicillin therapy in situations clouded by diagnostic uncertainty. Amoxicillin has been widely used for decades, and it seems shameful that data on harms are missing from so many trials. For this drug, clinicians and patients must not construe ‘absence of evidence of harm’ to be the same as ‘evidence of absence of harm.’”
Aussie Sporting Heroes Take on Ironman Challenge at Bond University

Bond University has put some of Australia’s elite athletes to the test in the Nutri-Grain Sports Star Challenge – a two-part television series that pits Ironmen superstars, such as Ky Hurst and Matt Poole, against professional Aussie sporting heroes from a wide variety of sporting codes.

Cricketer Simon Katich, Adelaide Crows captain Patrick Dangerfield, Olympic hurdler Michelle Jenneke, State of Origin and Newcastle Knights player Kurt Gidley, Sydney Swans player Lewis Jetta, and recently retired NRL player Beau Ryan, participated in a range of tests over land and sea to find out how their capabilities stacked up against the gruelling demands of the Ironman competition.

The unique sports experiment was filmed at Bond University Institute of Health and Sport’s Human Performance Laboratory on the Gold Coast, and experts at the University used the very best in scientific testing to devise a series of challenging and appropriate physiological tests that were both scientifically specific and entertaining for viewers.

A Bond University spokesperson, Mike Climstein, said the calibre of facilities at the Bond Institute of Health and Sport made them the ideal location for filming the Nutri-Grain Sports Challenge.

“Without the ability to accurately quantify each of the athletes’ levels of fitness, strength, endurance and adaptability, the Nutri-Grain Sports Challenge wouldn’t have been able to accurately compare their various strengths and weaknesses,” the spokesperson said. “Bond University’s Institute of Health and Sport was able to provide state-of-the-art facilities and a respected team of experts in the field of athlete assessment, making Bond the perfect venue for the athletes to undergo the rigorous testing. Filming took place in Bond’s Exercise & Sports Science laboratory, as well as on our nearby beaches for endurance tests such as the Beep Test conducted on the sand - a test of peak maximal aerobic performance - and the Wade Test, which includes a short run and swim through the shore break that imitates the start of an Ironman race.”

The first episode of the series paired each athlete with an Ironman or Ironwoman – Ky Hurst, Matt Poole, Kendrick Louis, Ali Day, Tanya Lyndon or Courtney Hancock – setting the participants in head-to-head competitions in both the Bond University “lab” and on the beach.

The series finale featured the athletes competing against each other in a 50m swim leg and 100m board paddle, before being joined by their mentors to complete the final 200m ski leg on a double ski.
Dr Kristen MacKenzie-Shalders

Dr MacKenzie-Shalders is an advanced sports dietitian, accredited practicing dietitian and an accredited sports scientist. She has worked across a variety of roles in nutrition and exercise science over the previous decade including private practice, industry consulting, consulting to elite athletes and teams and tertiary education. Having worked at an elite level with many sports over a number of years, Dr MacKenzie-Shalders is avidly interested in challenges related to dietary intake, changes in body composition and performance outcomes. This interest is now extending to applications into non-athlete populations in body composition management, protein and energy metabolism and foodservice dietetics.

As an early career researcher at Bond University, Dr MacKenzie-Shalders is now managing the Matador 2 National Health and Medical Research Council (NHMRC) research project in intermittent energy restriction, and working as part of the Nutrition and Dietetics team. Her passion and drive in exercise science, nutrition and dietetics, management and varied practical background underpin her drive to continue to formulate research questions that are practical, achievable and clinically relevant to the groups she works with.

Dr Denver Surrao

Dr Surrao was awarded his PhD in Chemical Engineering from Queen’s University in Kingston, Canada for his research on the use of polymeric biomaterials in tissue engineering the anterior cruciate ligament. Dr Surrao also holds a Master of Science in Biotechnology from the Technische Universität Hamburg-Harburg (TUHH) in Hamburg, Germany, and a Bachelor of Engineering in Chemical Engineering from the University of Madras in Chennai, India.

Dr Surrao is primarily interested in biomaterials, tissue engineering, drug delivery systems, stem cells, bioprocess engineering, regenerative medicine, technology feasibility, intellectual property and development strategies. He is currently working on biomimetic Bruch’s membrane for treatment of dry age-related macular degeneration, bilayered layered skin graft for treatment of burns and other skin related injuries, and a drug delivery system for treatment of wet, age-related macular degeneration.
Dr Caitlin Byrne

Dr Caitlyn Byrne has teaching and research interests in contemporary and public diplomacy, with a special focus on the Asia-Pacific region. Her professional background prior to joining Bond University includes roles within the Australian Department of Foreign Affairs and Trade (DFAT), as well as within state and local governments with an emphasis on international, social and legal policy agendas.

Dr Byrne’s research is published in the Hague Journal of Diplomacy, the Australian Journal of International Affairs, Sport in Society, Exchange: Journal on Public Diplomacy and CPD Perspectives. Her current research projects include: Imagining Australia, exploring Chinese perceptions of Australia; Australian public diplomacy - beyond broadcast, examining shifts in Australian public diplomacy and a book on G20 public diplomacy.

She also consults occasionally to external clients, and is currently assisting DFAT in the development of an Australian Global Alumni Engagement Strategy. She is the elected Vice President of the Australian Institute for International Affairs (AIIA) Queensland, and has recently been appointed as a member of the Queensland Fulbright Selection Committee.

Professor Michael Weir

Dr Weir is a professor of law at the Bond Faculty of Law GAICD. He has been teaching and publishing in real property law for 25 years and has an interest in the regulation of Complementary and Alternative Medicine (CAM). Dr Weir has recently completed the latest editions of Wallace, Weir and McCrimmon, Real Property Law in Queensland Thomson Reuters (4th 2015) and is currently writing the 5th edition of Weir, Law and Ethics in Complementary Medicine (4th edition 2011) Allen and Unwin. He is currently preparing an ARC Discovery Grant application relevant to the issue of land access in relation to unconventional gas with research collaborators from three other universities. Relevant to his interest in CAM, Dr Weir has an ARC grant under examination currently on matters relevant to the regulation of CAM and its relationship to consumer law matters.

Dr Natalina Zlatevska

Dr Zlatevska's research interests lie in the area of consumer judgment and decision-making. In particular, she is interested in factors that affect a consumer’s ability to self-regulate their behaviour. Dr Zlatevska's research investigates how consumers cope with experiences of failure using thought suppression, consumer planning behaviour, and failure to self-regulate in the context of food consumption. She examines the effect of marketing influences on food overconsumption, including the influence of size variables (such as portion size) and partitioning. Her research has been published in the Journal of Marketing.
Faculties and Research Centres

Through our Research Strategy Bond identified niche centres of research excellence where we have recognised strength and leadership, where we can highly integrate teaching and research, where interdisciplinary contributions can lead to significant advances, and where we can have an impact on the local, national and international community. These centres will emphasise our strengths and will benefit from focused investment. Our centres of research excellence will have world-class researchers to provide administrative and intellectual leadership and foster a culture and space for collaboration and knowledge sharing. We will aim to be the partner-of-choice for other universities, industry, government and the community. It is our aim to achieve this by integrating four resources:

- Workforce: research teams who lead research projects, mentor HDR students and build a strong research culture at the University;
- Research training: engage and develop HDR students who are supported and encouraged to produce innovative research with their supervision team;
- Infrastructure: provide access to world-class research facilities that will enable our research teams to generate high quality research and impact;
- Collaboration: our research teams will foster relationships in research, with organisations and other universities and institutes, through co-author publications and grant applications.

There are currently two University and five Faculty Research Centres.

University Research Centres cover multiple disciplines. They substantially enhance the University’s research base, research income and profile through building strategic relationships with other academic institutions and external partners.

Faculty Research Centres are major contributors to Faculty research activity. They undertake research activities including securing external research funding, producing quality research outputs and HDR supervision.

Bond University Research Centres

Centre for Human Health and Performance
Centre for Research in Evidence-Based Practice

Bond University Faculty Research Centres

Faculty of Business
Centre for Actuarial and Financial Big Data Analytics
Faculty of Law
Centre for Comparative Construction Research
Faculty of Health Science and Medicine
Centre for Stem Cells and Tissue Regenerative Therapies
Faculty of Society and Design
Centre for Autism Spectrum Disorder
Centre for Urology Research
Centre for Comparative Construction Research
Bond University is the lead institution of a Commonwealth funded Collaborative Research Network for Advancing Exercise and Sports Science (CRN-AESS). With over $5.7 million in funding, this research project brings together partners from key research and sport science institutions including the University of Sydney, University of Queensland Diamantina Institute and the Australian Institute of Sport (AIS) for the project valued at over $14 million.

CRN-AESS activity has progressed well with the 2014 official launch of the Tendon Injury Project, based at AIS. Participant recruitment has been steady with the first batch of samples expected to arrive at Bond for processing in early 2015. The CRN-AESS biomolecular laboratory has progressed with key infrastructure and information technology platforms in place to support the data and sample management components of the projects. It is expected to be fully operational in early 2015.

The first batch of the Sydney based GENIUS study samples has arrived at Bond and they have been analysed for DNA sample quality and are now ready for DNA processing. These samples will provide the first data for the CRN-AESS bio bank which will be housed at Bond University. This data bank will be a valuable resource for future CRN-AESS research.

**KEY 2014 ACHIEVEMENTS**

- Two HDR Scholarships awarded
- The Genetics of Exercise Induced Injuries Involving Tendon & Bone Project based at the AIS was officially launched
- The WHISTLER training series launched with the first workshop scheduled in September and the second in November
- The CRN co-organised the Exercise as Treatment conference with Centre for Research in Evidence-Based Practice

**Centre for Human Health and Performance**

**Centre for Research in Evidence-Based Practice**

CREBP undertakes research about the processes and implementation of Evidence-Based Medicine, in order to more intelligently and efficiently close the gaps between best available evidence and current clinical practice. The effective integration of research into practice will contribute to the health and healthcare of Australians.

- **Professor Paul Glasziou** was a key figure behind the *Lancet* Series entitled *Research: Improving Value, Reducing Waste*. This collaboration with Sir Iain Chalmers and Oxford University resulted in six papers which argued that up to 85% of research funding is wasted through failure to translate basic research into practice, insufficient prioritisation of important research, and a lack of systematic assessment of current research to avoid duplication. Money and effort are also wasted through poor design and analysis of research. Associate Professor Elaine Beller was an author of one of the papers in the series which looked at waste through inefficiencies in the ethical review and management of the research process.

- **Professor Tammy Hoffmann and Professor Chris Del Mar** published a systematic review of patients’ expectations of benefits and harms of interventions in *JAMA Internal Medicine*. This paper received an enormous amount of international and national attention and media coverage, including in the New York Times. In terms of online attention it has been ranked in the top 1% of all articles ever published in this high impact journal.

- **Professor Tammy Hoffmann and Professor Paul Glasziou** led the development of the *Template for Intervention Description and Replication (TIDieR)* guide – an extension of the CONSORT statement – which was published in the *BMJ* and has had widespread adoption by health and medical journals. The research that preceded this demonstrated a serious problem with the lack of detail in journal articles about beneficial and successful interventions so that health professionals were unable to implement them in their practices. TIDieR provided one solution to this problem.

- **Senior Research Fellow Ray Moynihan, Professor Jenny Doust and Associate Professor Elaine Beller** led a novel national survey of public opinions about overdiagnosis, producing several publications. The survey found that only one in 10 people have been told by their doctor about the risk of finding a disease that will never harm them when they have a screening
test like those for breast or prostate cancer. Ninety-three percent of respondents wanted people to be given information on the harms of screening, as well as the benefits.

- Senior Research Fellow Rae Thomas collaborated with Sydney University on community juries to determine community expectations about what men should know before they decided to be screened for prostate cancer using the PSA test and when they should be given information. Community members agreed men should be given information about the benefits and harms of screening, but differed about when this information should be supplied in the medical consultation process.

- PhD student Peter Coxeter designed, developed and implemented a National survey of parents' expectations of the benefits and harms of antibiotics for acute respiratory infections in children one to 12 years of age, inclusive (completed in 2014, with publication pending). The study found the majority of parents believe antibiotics provide benefit for common ARIs in children, and greatly overestimate the benefits of antibiotic use on illness duration. Less than half (44%) of parents made the final treatment decision to treat their child's illness with an antibiotic together with the doctor, and most (75%) wanted more involvement in future decisions about whether to use an antibiotic for their child's illness.

Grant Recipients

- Professor Paul Glasziou received a five year National Health and Medical Research Council Senior Principal Research Fellowship. Professor Glasziou will focus on innovations to make research more useable and used, building on his work already on ‘avoidable waste in research’ which estimated that avoidable design flaws, non-publication and inadequate reporting result in more than $85 billion in annual losses in health research expenditure.

- Professor Jenny Doust and Senior Research Fellow Ray Moynihan received a Bond University Vice-Chancellor's Research Grant to conduct a national survey to determine public perceptions and understanding of overdiagnosis (details of the project above).
Professor Terry O’Neill is a prolific publisher (more than 80 publications with at least 20% in A* journals), multiple grant recipient, consultant to university, industry and Government, and former Director of Research School of Finance, Actuarial Studies & Statistics at Australian National University. He joined Bond in 2014 to start the undergraduate and postgraduate Actuarial Sciences program, and establish this research centre; Associate Professor Jason West was formerly an Associate Professor from Griffith University. He joined Bond’s Informatics department in late 2014, but regularly attended the School’s Research Seminar series in 2014. He has a successful track record as Chief Investigator on four grants; Dr Gaurav Khemka is an early career researcher from the Australian National University with an accepted A-tier publication already (Journal of Population Studies). His research interests are superannuation/pensions, long-term care insurance and disability insurance.

The Centre will host the Australian Actuarial Sciences Conference in late 2015. It will continue the Faculty’s investment in the Bloomberg terminals and databases to support faculty and student research, as well as support innovative and real time teaching.

Centre for Urology Research

The Centre for Urology Research was confirmed as a new Faculty centre towards the end of 2014. The Centre has developed from the Bond Urology Group, which functioned with eight academic members of staff and eight PhD students (one graduated during 2014). The aim of the Centre is to investigate the physiology and pathophysiology of the lower urinary tract, ultimately identifying potential targets for drug development or improving current treatments for stress incontinence, overactive bladder, kidney stones, bladder/prostate cancers and erectile dysfunction. During 2014 the group held the 6th National Symposium on Advances in Gastrointestinal and Urogenital Research at the Faculty of Health Sciences and Medicine at Bond University.
Centre for Autism Spectrum Disorder

In 2014, the Centre for Autism Spectrum Disorders completed delivery of the research products specified under its partnership with Education Queensland. The purpose of this partnership was to build educator/school competencies in educating high-need students with an ASD with a particular focus on creating meaningful and sustainable changes in educator practices.

Research products developed for mainstream school educators involved delivery of an intensive 8-week training programme to educators and administrators responsible for managing the complex needs of students with ASD, and a manual which contained the curriculum materials used during training and evaluation of educator responses (Manual title: The Scientist-Practitioner Training Model for Educators of Students with an ASD).

Research products developed for the Regional and Rural Autism Spectrum Disorders Project included implementation of two intensive training programmes for educators, creation of an electronic data-collection system for monitoring student behaviour, and a written manual of training procedures and programme evaluation (Manual title: Transitioning the RRAP Across Schools in Queensland).

All research products received high commendation from Education Queensland and both manuals are due to be launched on its website in October 2015. Further, Education Queensland plans to incorporate the training programmes devised for mainstream schools and the Regional and Rural Autism Spectrum Disorders Project in its implementation of autism-specific training services to schools within the South-Eastern region of Queensland.

Clem Jones Research Centre for Stem Cells and Tissue Regenerative Therapies

The key focus in Clem Jones Research Centre for Stem Cells & Tissue Regenerative Therapies (CJRC) is to find a potential therapy for age-related macular degeneration (AMD). For the majority of AMD, the dry form of AMD, CJRC is able to develop a human stem cell-derived retinal implant with clinical compatibility. The implant is being tested for its potential of vision restoration by our collaborator in the University of Melbourne, and the intellectual property relating to this work has been accepted by Australian Patent Office and United States Patent and Trademark Office. The centre is also focusing systems to treat wet AMD, a progressive form of AMD. The research aims to reduce the frequency of treatment and subsequently improve the quality of patients’ life and reduce medical costs. Beside the major research on AMD, CJRC is also working on engineering other tissues such as skin and bone.

Centre for Comparative Construction Research

Towards the end of 2014, the Centre for Comparative Construction Research (CCCR) was confirmed as one of five Faculty Research Centres at Bond University. As part of this process, the Centre needed to become larger. The Centre now has five Bond staff (including three professors) and a broader remit for its research. This remit includes specialising in research on performance and productivity issues of the global construction industry, and other matters relating to comparative construction, such as project management effectiveness, building quality, building refurbishment and retrofit, bidding theory, green building design, environmental impact and infrastructure procurement and finance.

Two significant competitive research grants were secured by CCCR members in 2014:

The Faculty of Business is AACSB accredited, thus putting it in the top 5% of business schools globally. The Faculty has a portfolio of research and development activities that is similar to high quality international university based business schools, with academic and discipline based research at its centre. The following is a summary:

- The Faculty published approximately 0.7 peer reviewed journal articles in 2014 per faculty member; 43% of these are in A* and A journals as determined by the Australian Business Dean’s Council.
- 84% of the Core Faculty are Research Active under the University’s definition.
- 84% of publications are in the area of academic/basic research, 12% are in practice research and 3% in pedagogy (cases and textbook).

Faculty are actively involved in a number of industry, government and grant based projects. Faculty have, for example, worked on conservation management and coastal erosion studies, RFID automated antennae design, and airfoil design; and are currently exploring a promising lead to research characterisics of cyber crime for the Queensland police. A pedagogic example includes three Bond academics collaborating on an Accounting and Finance Association of Australia and New Zealand (AFAANZ) grant funded project, A Fresh Approach to Teaching and Learning the Technical Aspects Underpinning Accounting, Economics and Finance Subjects: Evaluating Traditional versus Blended Learning Pedagogies. This is part of a planned, larger collaborative effort involving academics from four Australian universities, mentored by Professor Tom Smith (ranked number one finance academic in Australia and New Zealand by both the Journal of Financial Literature and the Pacific Basin Finance Journal).

Research Output and Impact

Faculty continued its focus on quality, with 43% of publications ranked as either A* or A by the Australian Business Dean’s Council. A full list of publications can be found in the citations report in the appendix.

Research impact can be determined several ways. The dominant paradigm in Australia as reflected in the Excellence in Research for Australia (ERA) ranking process is via quality peer reviewed outputs, hence the emphasis by the Faculty on producing A* and A-tier publications. Embedded in the University’s Strategic Plan is ‘maintaining and building on the unique Bond student experience.’ To this end, the University encourages and supports academics in pedagogic pursuits. Whether engaged in academic, practice or pedagogic research, the Faculty firmly embraces the belief that research enhances the student learning experience.

A number of faculty members are engaged directly in research about the effectiveness of teaching. For example, Drs Jacqueline Christensen, Jan Hollindale and George Hrivnak received an Accounting and Finance Association of Australia and New Zealand (AFAANZ) Research Grant for 2014-2015 for A fresh approach to teaching and learning the technical aspects underpinning accounting and finance courses: Evaluating traditional versus blended learning pedagogies. This research is part of a planned larger, collaborative effort involving academics from four Australian universities.

Global Research Participation

The Faculty is an active contributor to the international body of research through publishing in international journals read by global audiences, attending and presenting at international conferences and collaborating with researchers from other countries. Examples of specific activities that have a direct international context are:
INTERNATIONAL OUTREACH

In 2014, the Faculty conducted their annual research seminar in Japan, focussing on applied research topics that would be of interest to alumni and students based in Japan and relevant to the Japanese community. The research presentations are given by both Bond and BBT adjunct academics.

HIGHER DEGREE BY RESEARCH (HDR) STUDENTS

The Faculty has an active HDR profile that attracts a strong contingent of overseas candidates: 47% of HDR students are international (with a variety of nationalities including Canada, China, Fiji, Germany, India, Indonesia, Kuwait, Malaysia, Oman, Pakistan, and the USA).

Research Week Showcase

At the 2014 Research Week Showcase, the Faculty gave the following presentations which were well attended by the local community and received excellent local press coverage:

- Associate Professor Mike Raybould: *How will climate change affect the recreation values of Gold Coast beaches – and what can we do about it?*
- Associate Professor Anthony Erickson: *Destructive leadership: Frequency, form and effects*
- Mr Adrian Gepp: *Fraud detection: Using computers to assist in detecting financial statement fraud*
- Dr Simone Kelly: *Sustainable and stress free financial health*
- Associate Professor Marcus Randall: *There’s no harm if you’re not normal*

Ethics, Responsibility and Sustainability

A number of Faculty members are active in the ethics domain - 15% of current faculty have published research in the teaching of ethics, responsibility, or sustainability, and 17.5% in general research in these areas. Notably, Associate Professor Rafi Chowdhury has co-authored three articles published in the A-tier *Journal of Business Ethics*, the most recent appearing in 2014.

To further stimulate ethics related research, the Faculty has established an annual $5,000 competitive grant to help fund Faculty research on any of these three topics. This grant was introduced at the end of 2014 and the inaugural recipient will be announced in 2015.

Links to the Corporate World

DISSEMINATION AND APPLICATION OF RESEARCH OUTPUTS

The Business Faculty has a range of activities which focus on sharing research outputs with a broad range of stakeholders, and in so doing sharing those outputs with the corporate sector. The Business Links series (three presentations per year, sponsored by CPA Australia), Bond Business Leaders Forums (three per year), the Bond Accelerator and Bond Research Week are all examples of such activities.

CORPORATE SPONSORSHIP OF RESEARCH, CORPORATE COLLABORATION AND CONSULTANCY

The following are examples of other projects where Faculty worked in collaboration with industry:

The Faculty of Business continues to receive corporate funding from the Sunland Group to collaborate on the ongoing Business Spirituality Research Project. This grant supports research and scholarship into the leadership, spirituality and integrity of business. The research and scholarship looked at the provisional general research questions:

- How compatible is the welfare of business and of society; and
- How can the business world maintain the creation of wealth without compromising the sanctity of the welfare of the individual members of society?

Professor Keith Duncan and Associate Professor Li-Anne Woo received a one year research grant from the Accounting and Finance Association of Australia and New Zealand (AFAANZ) for $10,072. The Australian Government’s Joint Parliamentary Committee on Corporations and Financial Services flagged family business as a potential priority policy area. Consequently the committee released *Family businesses in Australia - Different and significant: Why they shouldn’t be overlooked*. Drs Duncan and Woo’s research considers the question of whether family involvement and participation makes a difference.
2014 saw the installation of the Architectural Robotics Laboratory at the Abedian School of Architecture, within the Faculty of Society and Design. The facility houses a six axis ABB industrial robot mounted on a linear rail with additional rotary table. The robot is capable of reaching 2.8m, has a payload of 185kg, and is capable of moving at over 1m/sec, which makes it suited for a wide variety of applications. To date it has been used for milling, stacking, and drawing applications by staff and students in advanced elective courses, and has been on display during open house functions.

The use of industrial robots in architecture is a relatively new area of research and Bond University is currently one of about 40 schools to have such facilities worldwide. Using state of the art software, students and staff are able to control the robot using geometry that is modelled in 3D environments familiar to architects, rather than writing code, which enables faster and more complex control than in many industrial applications. The Abedian School of Architecture is committed to researching the applicability of robotics to on-site construction labour.

In 2015 it expects to add two additional small robots which are portable, and will be used for in-class teaching and in collaborative efforts with the larger robot. In 2016, Faculty members will co-host a robotics workshop at the International Robotics in Architecture Conference in Sydney, Australia.

New Book Launch

An 18-month project was finalised in 2014 with the publication of an international research book on sustainable building adaptation. This forms a significant contribution to understanding best practice in sustainable adaptations to existing commercial buildings by offering new knowledge-based theoretical and practical insights. Models used are grounded in results of case studies conducted within three collaborative construction project team settings in Australia and the Netherlands, and exemplars are drawn from the Americas, Asia, Japan, Korea and Europe to demonstrate the application of knowledge more broadly.

International Construction Cost Survey

Centre For Comparative Construction Research has international expertise in purchasing power parity (PPP) and construction productivity. The Centre made a major contribution to Turner & Townsend’s International Construction Cost Survey, both in 2013-14 and ongoing for future editions, through the provision of a novel purchasing power parity (PPP) method used to compute comparative cost data for 23 countries (http://www.turnerandtownsend.com/ICC-2013.html). This publication uses a new model provided by CCCR for the determination of PPP to compare construction prices for a range of building types, labour, material and equipment items across 23 countries. It is used widely by cost consultants, clients, governments and media outlets to evaluate the relative performance of construction activities in different locations, and is a high-profile activity for the Centre.
Research interests and expertise within the Faculty are eclectic and diverse, although most research activity tends to converge on the principal areas of public and criminal law, and commercial and private law, with a heavy emphasis on cross-collaboration within the Faculty, and with other Universities and industry representatives domestically and abroad. Much of the Faculty’s research endeavour is directed at promoting reform in law and public policy, both in Australia and overseas, and a number of Faculty members have had their research supported by prestigious competitive grants awarded externally, including ARC Discovery Grants, ARC Linkage Grants, and an ARC Future Fellowship. The Faculty presently enjoys significant research expertise in the following fields:

- administrative law
- constitutional law (including comparative constitutional law)
- international human rights law
- international relations
- citizenship
- transnational crime and human rights, cyber-crime
- alternative dispute resolution
- legal (including legal professional) education
- contract and tort law, property law
- the law of equity
- information technology and e-commerce law
- corporate law
- IP law
- franchising law
- international trade law
- and comparative law

The Faculty currently houses the Centre for Commercial Law and sponsors the publication of a number of scholarly legal periodicals, including *Bond Law Review*, *Revenue Law Journal*, *Corporate Governance ejournal*, *Sports Law ejournal* and the *Owen Dixon Society ejournal*. The *Legal Education Review* is also produced within the Faculty.

The TICLP Research Network was launched within the Law Faculty on 27 November 2014. The founding co-directors are Associate Professors Leon Wolff and Danielle Ireland-Piper. TICLP is an open interdisciplinary network of academics, policy-makers and professionals engaged in legal, international relations and public policy research examining Australia in a globalised world. It aims to serve as a hub for multidisciplinary research on cross-national regulatory issues of global importance.

The primary objectives of TICLP are to:

- promote cutting-edge research addressing regulatory issues confronting Australia;
- engage in continuing elucidation and analysis of areas of transnational, comparative and international law;
- attract and supervise appropriately qualified HDR students;
- heighten public awareness of and contribute to the national debate on the role of Australia in the Asian Century and in a globalising world; and
- contribute to the formulation of government policies in such areas as international relations, international trade and investment, international finance, national and regional security, human rights, and dispute resolution.

To that end, TICLP aims to host conferences, seminars and workshops on transnational, international and comparative law and policy issues. It also seeks to promote scholarly exchanges by encouraging visiting scholars from Australian and overseas universities to conduct research at Bond University.

An immediate aim is to host an interdisciplinary conference in 2015 on Global Order and Disorder.
2014 was an exciting year for the Faculty of Health Sciences and Medicine, with the Faculty’s 10th anniversary, the University’s 25th anniversary and the appointment of one of Australia’s leading clinical researchers, Professor Helen Chenery, as the new Executive Dean. Professor Chenery joined the Faculty from the University of Queensland, bringing 30 years of experience as a clinician and researcher, with specialist interests in language neuroscience and acquired communication disorders. Under her leadership, the Faculty research strategy continues to focus on building and strengthening our research capacity, as well as driving engagement with health professions to ensure research is accessible and translated.

Our established and internationally recognised Centre for Research in Evidence-Based Practice (CREBP) continues to lead the way and celebrated many successes in 2014 including Professor Paul Glasziou’s award of a 5-year NHMRC Senior Principal Research Fellowship. The Collaborative Research Network for Advancing Exercise and Sports Science led by Professor Nuala Byrne has also continued its world-class partnership with the Australian Institute of Sport, University of Sydney and the University of Queensland’s Diamantina Institute. New in 2014 the Centre for Urology Research, headed by Professor Russ Chess-Williams, and the Clem Jones Centre for Stem Cell & Tissue Regenerative Therapies were also established as University-recognised areas of research focus. In addition, targeted recruitment has grown capacity in the priority fields of nutrition and dietetics, exercise and sports science and physiotherapy, significantly impacting on research postgraduate student, staffing and income profiles, as well as providing exciting opportunities for world-class external collaborations and mentorship for a number of strong early career researchers.

The Faculty is well placed to maintain its achievement of “above world standing” in the 2012 Excellence in Research in Australia (ERA) assessment for medical and health sciences, clinical sciences and public health and health services; “world standing” in human movement and sports sciences, as well as achieve standing in the new field of nutrition and dietetics in ERA 2015.

Community Links

- The Nutrition & Dietetics group hosted Maggie Beer, celebrity cook, author and food manufacturer, at an industry and research charity lunch for the Maggie Beer Foundation. The Foundation aims to shine a light on the nutrition and health of older Australian and overhaul the culinary culture of Australia’s aged care facilities.

- Dietician and PhD candidate, Cherie Hugo, was invited to share her research as part of The Lantern Project with Maggie Beer and Professor Liz Isenring at the Leading Age Services Australia National Congress in Adelaide.

- Professor Paul Glasziou’s book Testing Treatments and website for health consumers has now been translated into its 11th and 12th languages – Croatian and Swedish, all of which are freely downloadable at http://www.testingtreatments.org/

- Associate Professor Rod Pope was invited to write a regular Research Review column for the Tactical Strength & Conditioning Report of the National Strength & Conditioning Association.

- Associate Professor Rod Pope was invited to be a member of the assessment panel for the 2015-2016 funding round of the Health Practitioner Research Grant Scheme, Allied Health Professions’ Office of Queensland, Health Service and Clinical Innovation Division, Queensland Health.
Research Week is a University-wide event held each year which provides an opportunity for the community and research partners to visit the campus and attend public presentations. The inaugural Research Week was held in 2012.

The structure of Research Week consists of each Faculty hosting a series of events on a particular day. There is also a HDR day which consists of a breakfast and the Three Minute Thesis competition. Other departments within the University also host events including the Library, which hosts the Research Game, consisting of a series of online challenges related to Research Week, and a breakfast hosted by the Bond University Women in Research Network.

In 2014, Bond’s research community celebrated Research Week with the theme ‘Benefitting our Community’. Professor Terry O’Neill gave a lecture as part of Business Links on the topic *Evaluating the Financial Health of Australian Citizenry*, which had a focus on financial literacy. Throughout the week public lectures covered topics on extreme racism, depression in children with Autism Spectrum Disorder and psychopathic personality characteristics in supply chain professionals.

The Faculty of Health Sciences and Medicine celebrated their 10-year anniversary with the opening of their new Laboratory and research demonstrations. The Faculty of Law also hosted a number of presentations. The final day of research week included the Bond University’s Women in Research Network Breakfast, followed by the Research Week Lunch, which was hosted by the Pro Vice-Chancellor (Research), and included our research partners and collaborators. This was followed by a Research Week Drinks event which marked the end of the week.

### 2014 Schedule of Events

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<td><strong>MORNING</strong></td>
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<td><strong>EVENING / DINNER</strong></td>
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<td>Higher Degree by Research Student &amp; Supervisor Breakfast</td>
<td>Three Minute Thesis Competition</td>
<td>Faculty of Business - Business Presentations Various Presenters</td>
<td>Business Links - Evaluating the financial health of Australian citizenry Presenter: Professor Terry O’Neill</td>
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<td>An Open and Shut Case: Why the World Needs Open Data</td>
<td>Law Research Showcase (Presentations and Q&amp;A) - Session 1 Various Presenters</td>
<td>Faculty of Society &amp; Design Research Showcase - Afternoon Session Various Presenters</td>
<td>Challenge and Advantages of Pioneering Australian Legal Research in Asia Presenter: Emeritus Professor Mary Hiscock</td>
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<td>HSM Research Showcase, Laboratory opening and Keynote speaker</td>
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<td>Problem personalities in the workplace: an investigation into the prevalence and nature of psychopathic personality characteristics among supply chain professionals. Presenter: Professor Katarina Fritzon</td>
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<td>Faculty of Health Science &amp; Medicine 10th Anniversary event</td>
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<td>Bond University Women’s Network Research Breakfast</td>
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<td>Research Week Lunch</td>
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
Professor Russ Chess-Williams and the Vice-Chancellor, Professor Tim Brailsford at the presentation for the 2014 Vice-Chancellor's Award for Research Supervision

Professor Paul Glasziou and the Vice-Chancellor, Professor Tim Brailsford at the presentation for the 2014 Vice-Chancellor’s Award for Research Excellence

The 2014 Three Minute Thesis winner, Bridget Abell

Dr Ray Moynihan at the Research Week Higher Degree by Research Breakfast, presenting the summary of his thesis on overdiagnosis. Dr Moynihan graduated in mid 2015.
History of Triathlon Celebrated in New Book

More than 200 legends of sport have been interviewed and their stories recorded in a 300 page book on the history of triathlons in Australia was launched at Bond University.

Titled *Multisport Dreaming: The Foundations of Triathlon in Australia*, the 10 chapter book is the work of Bond University’s assistant professor in Australian Studies, Dr Jane E Hunt. Dr Hunt first started researching and compiling the book in 2010.

“The sport of triathlon has evolved considerably since the first triathlon-like events were held in Australia in 1980 and 1981,” she said. “The Australian triathlon journey is full of triumphs and ‘firsts’. Australia hosted the first Olympic triathlon, the first fully professional race series and produced wave after wave of age group and elite ITU and Ironman world champions. Australian triathlon is also full of drama, controversy and tragedy, which makes for a captivating read.”

What Works in Therapeutic Prisons

Sarah Miller, PhD Candidate in Faculty of Society and Design in the area of psychology has had the tremendous success of co-authoring a new book entitled *What Works in Therapeutic Prisons*.

Academics within the Faculty have developed a modular manualised treatment program addressing the key criminogenic risk factors associated with firesetting. This program has been provided to qualified clinicians in various states and territories around Australia. It has been incorporated internationally in firesetter residential treatment programs and in Australian correctional facilities.

Work continues in the area of juvenile and adult firesetting covering clinical formulation, risk assessment, treatment, and training of clinicians in treatment delivery and evaluation.
Trade Secrets and Intellectual Property: Breach of Confidence, Misappropriation and Unfair Competition

Professor William van Caenegem approaches the protection of trade secrets in the civil law and common law traditions and examines doctrinal and policy issues from that comparative perspective. With detailed attention to the legal position in the major countries in each tradition, it illustrates the approaches that figure prominently in the debate about appropriate trade secrets protection. Among the issues and topics covered are the following:

- contractual devices such as confidentiality clauses and non-compete agreements;
- firms’ preferences for patents versus trade secrets;
- vulnerability to legitimate intelligence gathering by competitors;
- misuse of a trade secret as a species of unfair competition against which the law grants remedies;
- misuse of a trade secret as breach of confidence based on principles of equitable good faith;
- preemption of trade secrets law by the existence of a contractual obligation or remedy;
- control over knowledge as between employees and employers;
- industrial espionage and third party liability;
- extent and precise parameters of criminal liability; and
- economic implications of excessive restrictions on the transfer of employee knowledge and know-how.

The book provides a clear understanding of this multifaceted area of law which is often a fallback or last resort when commercial dealings and relationships go wrong.

The analysis of the underlying policy goals and theoretical dimension of the legal status of trade secrets, including choices in relation to the application of the criminal law and concepts of property, is of enormous value to academics, policymakers, and corporate counsel.

Bond University: The First 25 Years

Written by Professor Kay Saunders with Antoinette Cass for the occasion of the Bond University’s 25th Anniversary in 2014, this book unveils some of the significant and exceptional moments in the University’s past. It is a showcase of Bond’s progress and draws our focus to the many individuals, committees, staff and students that have worked so hard and successfully through the years to develop and strengthen the University’s reputation.

The enterprising founders of Bond University had a great vision to deliver private higher education in Queensland. Under the guidance of the first Chancellor Sir Sydney Schubert who saw Bond University ‘forging a new path and a new tradition’, they created not only a new campus, but also a new regime in the arrangements of three full semesters per year, a carefully structured program of core subjects and the effective recruitment of international and domestic students.

This book vividly presents Bond University’s inspired beginning, the strain of the early years, and its subsequent growth whilst showcasing special occasions and noting some extraordinary events and successes along the way. It beautifully celebrates Bond University reaching the milestone of 25 years and will capture the interest of anyone who opens its pages. Bond University: The First 25 Years will be especially appreciated by those who have a personal affiliation with Bond and make them justly proud of the University’s heritage and its continuing achievements.
Professor Liz Isenring

One of Australia’s leading experts in cancer-related nutrition has been awarded the 2014 Vivian Saykaly Visiting Professorship in Medical Oncology by the world-renowned Cedars Cancer Institute in Montreal.

Professor Liz Isenring, head of Bond University’s Nutrition and Dietetics programs, is the first allied health professional to receive this prestigious honour which has previously been awarded to North American-based medical, surgical and radiology specialists.

“It is a particular honour to receive this award because it highlights the important role that allied health professionals and, specifically, nutrition and dietetics play in improving care and quality of life for cancer patients,” said Professor Isenring.

Dr Peta Stapleton

Assistant Professor of Psychology, Dr Peta Stapleton from Bond University’s Faculty of Society and Design, has been selected by Gold Coast Tourism as a Business Events Ambassador for the City.

She joins our Pro Vice-Chancellor (Learning and Teaching) Professor Keitha Dunstan who was named as one of the inaugural Ambassadors when the program was launched 18 months ago in 2013.

An initiative of the Gold Coast Convention Bureau, the Ambassadors Program brings together Gold Coasters who are internationally recognised as leaders in their respective fields and harnesses their influence to bring congresses, conferences and corporate events to the Gold Coast.

Dr Stapleton has already made a significant contribution to the local community as founder of the Gold Coast Eating Disorders Association Inc and has served as president of the Eating Disorders Association of Queensland numerous times.

A practicing clinical psychologist and researcher of international standing, she also specialises in women’s health and adolescent issues and has been awarded many honours, including the Australian Psychological Society Elaine Dignan Award, the Harvey Baker Research Award for outstanding contribution to the field of Energy Psychology and the Association of Commonwealth Universities’ Early Careers Academic Grant.

Professor Chris Del Mar

Professor Del Mar was awarded the Bridges-Webb Medal in July 2014. This award is to recognise Australian Association of Academic General Practice (AAAGP) members who have made and will continue to make international standard teaching and/or research contributions to academic activities in the general practice environment.

Dr Amanda McCullough

Dr Amanda McCullough won the Best of the Best Oral Presentation Award for her presentation What do healthcare professionals know about antibiotic resistance? A systematic review at the Gold Coast Health and Medical Research Conference. This was covered on two radio stations (SBS, ABC Gold Coast), and two television broadcasts (NBN Gold Coast and Channel 9 Gold Coast). Coverage of this was also published in Doctor magazine.
Professor Craig Langston

Professor Langston, Director of Centre for Comparative Construction Research, was the recipient of several research awards in 2014. These comprise:

- International Innovation and Research Award, Chartered Institute of Building (CIOB), Premier Award (Best Research Paper, 2013).
- AIOS Infinite Value recipient for MBM Research and Teaching Award (2014), and finalist for Lend Lease Professional of the Year Award.

Health Sciences and Medicine

- Professor Tammy Hoffmann was awarded Occupational Therapy Australia Queensland’s foremost award (Mary Rankine Wilson Award) for achievements and contributions to the profession.
- Professor Liz Isenring was appointed chair of the International Multinational Association of Supportive Care in Cancer (MASCC) Nutrition and Cachexia Study Group, which specialises in supportive care for people with cancer. Liz is the first Australian dietitian to be appointed into this position.
- Professor Janie Smith was elected as president of CRANAplus, the national peak body representing all remote health care workers in Australia.
- Bond University Vice-Chancellor Quality Awards were awarded to Professor Paul Glasziou (Research Excellence) and Professor Russ Chess-Williams (Research Supervision).
- Professor Russ Chess-Williams was awarded the status of Fellow of the British Pharmacological Society (FBPhS).
- Dr Amanda McCullough (CREBP) won the Best of the Best Oral Presentation award for her presentation *What do healthcare professionals know about antibiotic resistance? A systematic review* at the annual Gold Coast Health & Medical Research Conference.

Dr Terry Goldsworthy and Mr Matthew Raj

Bond University academics Dr Terry Goldsworthy and Mr Matthew Raj have been recognised for their contribution to the series *Domestic Violence in Australia* presented by The Conversation, which was nominated for a prestigious United Nations award.

The series, a finalist in the United Nations Association Australia’s 2014 Media awards, presents evidence submitted by academics from six of Australia’s leading universities on the extent of domestic violence in Australia.

The Bond University article *Out of the shadows: the rise of domestic violence in Australia* contributed by Professor of Criminology Terry Goldsworthy and criminology PhD student and Teaching Fellow Matthew Raj, draws attention to the increase of domestic violence as a mainstream criminal justice issue in Australia.

The article highlights the prevalence of domestic violence in the community and questions the cost to Australian society.
2014 HDR Events

Three Minute Thesis (3MT)

Bond University held its third annual Research Week on 13-17 October which celebrated research achievements. The 2014 theme was Benefiting our Community. A number of events showcased the strength of our HDR students including the Three Minute Thesis, which consisted of 18 competitors.

- The 2014 winner was Bridget Abel with her title *Research, Reality and Rehabilitation: the Heart of the Matter*.
- Highly commended was Roy Moynihan with his presentation *Overdiagnosis, Harming the Healthy*.
- The People’s Choice winner was Laura-Leigh Cameron-Dow on *When is a Ship not a Ship? When it is Waste!*

Higher Degree by Research Student and Supervisor Breakfast

Over 70 Higher Degree by Research (HDR) students, academic and administrative staff gathered for a breakfast in the University Club during Research Week. Professor Jeffrey Brand hosted the event and highlighted the achievements in the HDR community. Senior Research Fellow and PhD candidate, Ray Moynihan, spoke about his thesis and overdiagnosis. The Pro Vice-Chancellor (Research), Professor Roger Hughes, presented the Vice-Chancellor’s Quality Award for Research Supervision to Professor Russ Chess-Williams.

Higher Degree by Research Support Series

In September 2014 the chair of the Higher Degree by Research Subcommittee, Professor Jeffrey Brand, and the Executive Officer of Research, Ms Sarah Savage, developed six one-hour sessions to support HDR candidates. Topics covered included:

- Orientation - Bond Resources for HDRs
- Project Management for Researchers
- Research Relationships
- Achieving Confirmation (Preliminary Exams)
- Managing “the Literature” - Beyond Referencing
- Writing, Editing & Proofreading Tricks & Tips

Each session was well attended and candidates received free research and productivity related books that complimented each session.
HDR Graduations

Doctorate by Research

David Field
A statutory formula for the admission of similar fact evidence against a criminal accused

Joachim Hahn
Option pricing using artificial neural networks: An Australian perspective

Margaret Hampson
Employment barriers and support needs of people living with psychosis

Gerben Kreijzers
An evaluation of the impact of the tertiary survey in trauma patients who are admitted to hospital

Luke Grundy
Non-neuronal ATP: Regulation of release and action in the bladder.

Kelly Grisedale
Development of improved methods for low template DNA analysis

Mark Barash
Identification of single nucleotide polymorphisms (SNPs) involved in the determination of craniofacial morphology

Noura Alajmi
Factors that influence performance in a problem-based learning tutorial

Safdar Khan
What determines women’s autonomy: Theory and evidence

Francesco Barbera
Financing, firm size and productive efficiency: The effect of family ownership

Anirban Som
The effects of goal progress and goal commitment on self-regulation

Masters by Research

Prasad Bokil
Generating effective test suites for reactive systems using specification mining

Ian Bower
A grounded theory: Leadership development at the collective level

Richard Kent
Propensity of Australian firms to manage their earnings around recognised benchmarks
HDR Confirmations

Bridget Abell
The provision and delivery of exercise-based cardiac rehabilitation in Australia: Concordant with best research evidence?

Johannes Michael Burger
Experimental study of asset price bubbles

Wade Chalker
Differences in eccentric hamstring strength and between-limb asymmetries across elite, district and school level cricket players

Sam Coad
Immuonoendocrine, physiological and biochemical responses of elite contact sports athletes to training and competition

Emma Cooter
NeuroDiversion: Incorporating frontal lobe rehabilitation treatment for impulse control management in the rehabilitation of criminal offenders

Peter Coxeter
Exploring new ways of communicating information about benefits and harms of antibiotics for acute upper respiratory tract infections to parents

Michael Dan
What are the optimal methods for reducing blood loss in hip and knee arthroplasty?

Stephen Dark
From prediction to policy: An examination of the path from scientific prediction to Climate Change adaptation policy: Why does climate change adaptation policy often fail to achieve efficacy at an operational level?

Samantha Fien
Gait performance in residential aged adults and the benefits of exercise

Elisa Fontenelle Dumans Canetti
Haematological and biochemical markers of immune function in elite athletes during different training periods

Jesse Griffin
Performance analysis of the movement patterns and technical demands of international female rugby sevens preparation training camps

Emily Haynes
Developing consensus on the strategic priorities for the prevention of obesity amongst the Australian population

Madeleine Jarrett-Luck
Reconceptualising fear of crime: The emergence of crime awareness

Isara Khanjanasthiti
Privatised airports in smaller cities: Planning for economic development

Clare MacFarlane
The effect of orthoses on gait and mobility in children with cerebral palsy

Wolfgang Marx
Is ginger effective in ameliorating chemotherapy-induced nausea and vomiting?

Matthew Moorhead
An examination of uncertainty, risk and heuristic bias in management decision making processes during the feasibility and project appraisal stage of the real estate development process

Kate Morgan
The Australian dietetic workforce preparation study: exploring the preparation and preparedness of the dietetic workforce in Australia
Alicia Olsen  
What about exercise? Investigating how nurses and patients discuss exercise in relation to colon cancer recovery and survivorship

John Rathbone  
Improving the efficiency of steps involved with systematic reviewing

Asif Saeed  
Growth and welfare impact of financial integration: Evidence from emerging and developing economies

Madeline Taylor  
A comparative legal analysis of the co-existence of agricultural land and unconventional gas exploration and production for Australia and Canada

Asvinee Waithayathamrong  
High-speed rail international lessons for Australia’s long-term planning towards future sustainable transportation system

Timothy Whitehouse  
The epidemiology of injury in Australian professional rugby union

Satriyo Wibowo  
Creating legal certainty for international commercial arbitration in Indonesia

Sean Yoshiura  
Acute immune response of elite rugby union players to Super 15 match-play

HDR Achievements

Dr Sonia Vilches  
Recent PhD graduate Dr Sonia Vilches Montero (now working at the University of Newcastle) reworked her dissertation, which was subsequently accepted for publication in the A* journal, European Journal of Marketing: “The effect of construal level on time perceptions, confidence in judgements and future preferences.”

Bridget Abell  
PhD candidate Bridget Abell was awarded both the Best Exercise and Physical Activity Paper Award and the People’s Choice Award at the Annual Scientific Meeting of the Australian Cardiovascular Health and Rehabilitation Association.

Kylie Mills  
PhD candidate Kylie Mills was awarded a commendation by the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT) for her oral presentation in the Garth McQueen Prize session for HDRs at the 47th Annual Scientific Meeting.

Wolfgang Marx  
PhD candidate Wolfgang Marx was awarded the Multinational Association of Supportive Care in Cancer (MASCC) Best Poster Award.

Alicia Olsen  
PhD candidate Alicia Olsen supervised by Sally Sargeant and Justin Keogh, won Best Applied Science Poster Award for her work using online forums to investigate how colorectal cancer survivors discuss exercise & physical activity at the annual Gold Coast Health & Medical Research Conference.
Research Events

Faculty of Business Research Seminar Series

The Faculty and HDR students have the opportunity to showcase their research projects to an audience of peers and colleagues within the academic community of the University through the Research Seminar series, as well as presenting works in progress at ‘brown bag lunches’.

Presentations are encouraged and welcomed from visiting academics and researchers from domestic and international institutions as well. Some examples of seminars by visiting academics held in 2014 were:

- Dr Peter Danaher (Monash University) - *Where, When and How Long: Factors that Influence the Effectiveness of Mobile Phone Coupons*
- Dr James Oldfield (Unitec Institute of Technology, NZ) - *iBus: Embedding Mobile Learning in a Bachelor of Business Program*
- Dr John Hua Fan (Griffith Business School) - *52-Week High Momentum in Commodity Futures*

Research insights are disseminated to industry stakeholders and the wider community via presentations at the Business Links series (three presentations per year, sponsored by CPA Australia), Bond Business Leaders Forums (three per year), the Bond Accelerator Demonstration Day and the University’s annual Research Week Showcase.

Faculty of Health Sciences and Medicine

- The Centre for Research in Evidence-Based Practice hosted a workshop entitled *Navigating the evidence maze: better searching, sifting, and critical analysis of research*.
- Dr Sally Sargeant (HSM) introduced a new research initiative, the *Qualitative Research Network: Theoretical Underpinnings & Methods (QUANTUM)* aimed at promoting and supporting qualitative researchers. QUANTUM is a critical discussion and output-generating platform open to staff and research students interested in or currently undertaking qualitative health and social research and provides opportunities to develop and apply new analyses to data as well as contribute to a range projects.
- Doctor of Physiotherapy 2015 Mini-Congress, 20-21 April 2015, involving research presentations by the graduating physiotherapy student cohort and attended by practitioners and academics from numerous organisations.
- The Faculty hosted two research ‘Show ‘N Tell’ sessions, open to all Faculty staff and students as well as external guests. The Centre for Evidence-Based Practice (CREBP) showcased its current areas of research foci including antibiotic resistance, over-diagnosis, neglected non-pharmaceutical treatments and waste in medical research, whilst the Health Professions Education group highlighted research in the areas of the Bond Virtual Hospital, professional identity, graduate outcomes and decision-making, the cultural immersion and preparedness for practice.

Conferences

Australasian Law Teachers Association (ALTA)

In 2014 the Bond Faculty of Law began to consolidate an emerging area of research and scholarship specialisation – legal education. The Faculty assumed responsibility for the hosting and administration of Australia’s leading legal education journal, the *Legal Education Review*. In July 2014 the Faculty hosted the Australasian Law Teachers Association annual conference. Law teachers and legal scholars from more than 40 law schools, representing Australia and international institutions, gathered to debate the future of legal education and hear presentations by speakers at the cutting edge of contemporary higher education, legal education and legal practice. The feedback from the over 150 delegates was overwhelmingly positive, praising the organisation of the conference, the quality of the plenary speakers and the beauty of the venue. Twelve academics from within the Faculty presented papers at the conference. Across the year, members of the Faculty published a number of books, book chapters and journal articles in the field of legal education – ample evidence that this is an emerging area of research strength for the Faculty.
Property Law

The Faculty of Law hosted the Australasian Property Law Teachers Conference in July 2014. This conference was instigated by Bond Faculty of Law in the early 1990s and it is the third time that Bond has hosted it. The conference has been held in all capital cities in Australia, as well as in Christchurch, Vanuatu and Singapore. It was attended by 40 property law teachers from Australia, New Zealand, Singapore, Sir Lanka and Taiwan.

The theme of the conference was “Pushing the Boundaries in Property Law”. Conference participants provided papers on highly varied topics in substantive law and teaching, such as caveatable interests, electronic conveyancing, numeros clausus principle, fraud against the register, radical title and the property rights of aboriginal people, restraints on alienation, commercial leases, the challenges of teaching the PPSCA, as well as a plenary session on current issues in property law. The conference is held every 18 to 24 months and the next conference, in 2016, will be held in Christchurch, New Zealand. A number of Bond academics published journal articles based on papers presented at this conference.

Faculty of Health Sciences and Medicine

- The Exercise as Treatment for Chronic Disease - What is the Evidence? conference was hosted by the Centre for Research in Evidence Based Practice (CREBP) and the Collaborative Research Network (CRN): Advancing Exercise and Sports Science.
- Professor Russ Chess-Williams, Associate Professor Donna Sellers and Dr Catherine McDermott hosted the 6th National Symposium on Advances in Gastrointestinal & Urogenital Research, which brought together basic and clinical scientists, and students, to discuss recent advances in the field of gastrointestinal and urogenital physiology, pharmacology and diseases, including disorders of the bladder, prostate, and gastrointestinal system. Keynote speaker was Prof Frank Gardiner (Consultant Urologist, Royal Brisbane and Women’s Hospital/UQ).
- Professor Russ Chess-Williams was an invited member of the International Consultation on Incontinence in Bristol (UK), which works in collaboration with the WHO to develop recommendations for the diagnosis, evaluation and treatment of urinary and faecal incontinence, pelvic organ prolapse and bladder pain syndrome.
- Professor Russ Chess-Williams gave an invited keynote presentation at the 23rd National Conference on Incontinence, a joint meeting of the International Children’s Continence Society, the Continence Foundation of Australia and the UroGynaecological Society of Australasia entitled Physiology of the detrusor muscle.
- Dr Robin Orr was invited to conduct a keynote speech during a Load Carriage Symposium at the 3rd International Congress on Soldiers’ Physical Performance held in Boston, Massachusetts, USA.
- Dr Robin Orr was an invited speaker: Practical application of movement orientated training for reconditioning and prehabilitation, presented at the Tactical Strength and Conditioning Conference in San Diego, California, USA.
- Dr Robin Orr was an invited speaker: Optimizing the conditioning of new recruits. Paper presented at the Tactical Strength and Conditioning Conference, San Diego, California, USA.
- Dr Robin Orr was an invited speaker: Practical application of movement orientated training at the NSW police physical training instructor’s conference, Goulburn, Australia.
- Dr Lisa Gowthorp was invited to present at the 21st International Olympic Studies Seminar in Greece.
- Dr Sally Sargeant was invited to present a qualitative methods workshop at the Integration Congress of Behavioural Medicine, Groningen, Netherlands.
- Professor Paul Glasziou was invited as keynote at the Royal Newcastle Hospital Heritage Oration, presenting the Waste in Medical Research series published in the Lancet (www.thelancet.com/series/research).
- Professor Paul Glasziou was invited to present the John Irvine Hunter Memorial Lecture, entitled Innovations and Diffusions in Health Research. The John Irvine Lecture is part of the Newcastle Hospitals Congress.
- Professor Paul Glasziou invited as opening keynote at the 3rd International Society for Evidence-Based Health Care, Taipei, Nov 2014.

Centre for Research in Evidence-Based Practice

- Senior Research Fellow Ray Moynihan helped organise the scientific program for the highly successful 2nd Preventing Overdiagnosis international scientific conference, held at Oxford University in September 2014.
- Senior Research Fellow Rae Thomas was invited to present a plenary at the Guidelines International Network meeting. As the conference goal was to include more consumers in the development of guidelines, she presented with one of her community jury participants. This presentation was tweeted as the best of the conference. She also presented at the Preventing Overdiagnosis conference in Oxford University and at the Gold Coast Health and Medical Research Conference.
- CREBP in collaboration with the Collaborative Research Network: Advancing Exercise and Sports Science organised the scientific program for the very successful, inaugural conference Exercise as Treatment for Chronic Disease - What is the Evidence? held at Bond University in May 2014. This conference was a sell-out, and so successful that delegates asked for it to be held again in 2015.
Visiting Scholars

Centre for Research in Evidence-Based Practice

• Professor Chris van Weel, Primary Health Care Research, Australian National University in Canberra
• Professor Karen Grimsrud, Senior Medical Advisor and Director, Prevention Guidelines Division, Centre for Chronic Disease Prevention and Control, Public Health Agency of Canada
• Professor Rustam Al-Shahi Salman, Clinical Neurology, University of Edinburgh
• Professor Gary Schwitzer, Publisher HealthNewsReview, Adjunct Associate Professor, University of Minnesota School of Public Health
• Dr Stuart Smellie, Consultant Chemical Pathologist, County Durham and Darlington Acute Hospitals, NHS Trust, UK
• Professor Ben Mol, Obstetrics and Gynaecology, University of Adelaide
• Dr Guy Tsafnat, Biomedical Research and Clinical Decisions Support Systems, University of New South Wales
• Dr Peter Brooks, Treatment and Epidemiology of Rheumatic Disease, University of Melbourne
• Dr Claudia Marcela, Clinical Epidemiology, Clinical Epidemiology and Biostatistics Department Pontificia Universidad Javeriana, Bogotá Colombia.
• Dr Virginia Barbour, Editor, PLOS Medicine

International Collaborations

Faculty of Business

Most faculty have published in collaboration with international colleagues. The following are some examples of current research projects underway:

PROFESSOR CYNTHIA FISHER

Professor Fisher is collaborating with academics from Hong Kong Baptist University and the University of Queensland on Capitalizing on affect to foster team creativity: The moderating roles of team reflexivity and team identification. This project is funded by Hong Kong’s Research Grants Council.

PROFESSOR MARK SPENCE

Professor Spence is involved in three consumer behavior experiments with academics from institutions outside Australia including:

• Can fluency for music impact product evaluations? with academics from the Auckland University of Technology, NZ, the University of Delaware, USA, and the University of Arizona, USA
• Does music tempo affect eye tracking measures? with Auckland University of Technology
• How colour affects the compromise effect with Auckland University of Technology

ASSOCIATE PROFESSOR COLETTE SOUTHAM

Professor Southam is working with Professor Paul Beamish, Canada Research Chair of International Management at Ivey, Canada, on research and case writing.

Centre for Comparative Construction Research

CCCR underpins two significant international collaborations. The first is the UN-Habitat University Partnership (established in 2011) that provides access to UN data and UN-sponsored conferences such as the Rio+20 United Nations Conference on Sustainable Development in 2012. The second is the International Research Alliance for Sustainable Development (established in 2013) with Chongqing University, University of Montreal, Hong Kong Polytechnic University, NICMAR, University of Florida, and UWS that is undertaking research into sustainable practices in the built environment where Bond’s contribution relates to green building performance and the measurement of workplace ecology. Both collaborations involve ongoing activity with CCCR members.
KEY 2014 RESEARCH STATISTICS
Publications

WHOLE PUBLICATIONS - BOND UNIVERSITY

Source: Bond University HERDC submission data

WHOLE PUBLICATIONS BY FACULTY 2014
Research income continues to grow, particularly in health sciences and medicine disciplines. Of particular note is the significant growth in Nationally Competitive Grant Income (Category 1 income), again in health sciences and medicine disciplines.

HERDC RESEARCH INCOME

CATEGORY 1 RESEARCH INCOME BY FACULTY
TOTAL RESEARCH INCOME

Research Income ($M)

- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014

Donations
Research Grants
Other research income
Higher Degree by Research (HDR) Students

HDR load has continued to grow, reflecting focus on growing the HDR community in line with our research profile and our recent scholarship commitments.

STUDENT LOAD (EFFECTIVE FULL TIME STUDENT LOAD)

![Student Load Chart]

Source: HEIMS data

COMPLETIONS BY FACULTY

![Completions Chart]

Source: HEIMS data
APPENDIX A: RESEARCH COMMITTEES

Bond University Research Committee

The Bond University Research Committee (BURC) is a Standing Committee of the Academic Senate. The Committee advises Academic Senate about policy and procedures relating to research at the University.

<table>
<thead>
<tr>
<th>Name</th>
<th>BURC Position</th>
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<tr>
<td>Prof Roger Hughes</td>
<td>Pro Vice-Chancellor Research (Chair)</td>
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<tr>
<td>Prof Jeff Brand</td>
<td>Chair, HDR Subcommittee (Deputy Chair)</td>
</tr>
<tr>
<td>Prof Keitha Dunstan</td>
<td>Chair, Academic Senate</td>
</tr>
<tr>
<td>Dr Mark Bahr</td>
<td>Chair, BUHREC</td>
</tr>
<tr>
<td>Mr Andrew Calder</td>
<td>Director of Research</td>
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<tr>
<td>Ms Wendy Abbott</td>
<td>University Librarian</td>
</tr>
<tr>
<td>Prof Mark Spence</td>
<td>Associate Dean Research - Faculty of Business</td>
</tr>
<tr>
<td>Assoc Prof Daryl McPhee</td>
<td>Associate Dean Research - Faculty of Society &amp; Design</td>
</tr>
<tr>
<td>Assoc Prof Donna Sellars</td>
<td>Associate Dean Research - Faculty of Health Sciences &amp; Medicine</td>
</tr>
<tr>
<td>Prof Michael Weir</td>
<td>Associate Dean Research - Faculty of Law</td>
</tr>
<tr>
<td>Ms Rhiannon Fisher</td>
<td>HDR Student Representative</td>
</tr>
<tr>
<td>Prof Paul Glasziou</td>
<td>University Research Centre Director - Centre for Research in Evidence Based Practice (CREBP)</td>
</tr>
<tr>
<td>Prof Patrick Keyzer</td>
<td>University Research Centre Director - Centre for Law, Governance and Public Policy</td>
</tr>
<tr>
<td>Prof Nuala Byrne</td>
<td>University Research Centre Director - Collaborative Research Network for Advancing Exercise Sport Science</td>
</tr>
<tr>
<td>Ms Sarah Savage</td>
<td>Secretary</td>
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Bond University Higher Degree by Research Subcommittee

The Higher Degree by Research Subcommittee reports to the Academic Senate. The purpose of the subcommittee is to maintain academic quality and promote university-wide procedures, processes and expectations for advancement of Bond University’s aspirations and strategic priorities in enhancing excellence in higher degree research.

<table>
<thead>
<tr>
<th>Name</th>
<th>BUHDRS Position</th>
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<tbody>
<tr>
<td>Prof Jeff Brand</td>
<td>Deputy Chair, Research Committee - Chair</td>
</tr>
<tr>
<td>Mr Andrew Calder</td>
<td>Director of Research Services</td>
</tr>
<tr>
<td>Ms Sarah Savage</td>
<td>Executive Officer, Research - Secretary</td>
</tr>
<tr>
<td>Ms Irene Koh</td>
<td>Director, Student and Academic Services</td>
</tr>
<tr>
<td>Prof Mark Spence</td>
<td>Faculty of Business</td>
</tr>
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<tr>
<td>Prof Michael Weir</td>
<td>Faculty of Law</td>
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<tr>
<td>Mr Matthew Raj</td>
<td>Higher Degree Research Student</td>
</tr>
<tr>
<td>Ms Rhiannon Fisher</td>
<td>Higher Degree Research Student</td>
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Bond University Human Research Committee

The Bond University Human Research Ethics Committee (BUHREC) is committed to protecting the welfare and rights of human participants in research conducted by members of the Bond University community. In doing so, BUHREC promotes ethically, socially, scientifically and legally responsible research activity among all members of Bond University. The Bond University Human Research Ethics Committee comprises of a full Committee and Subcommittee. The full Committee meets eight times and the Subcommittee meets three times every semester.

<table>
<thead>
<tr>
<th>Name</th>
<th>BUHREC Position</th>
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<tbody>
<tr>
<td>Dr Mark Bahr</td>
<td>Chair</td>
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<tr>
<td>Dr Lisa Abel</td>
<td>Subcommittee Representative</td>
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<tr>
<td>Prof Vicki Bitsika</td>
<td>Academic Representative Psychology</td>
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<tr>
<td>Prof Katrina Bramstedt</td>
<td>Academic Representative Ethics and Health Law</td>
</tr>
<tr>
<td>Dr Anna Lohning</td>
<td>Academic Representative Medical</td>
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<tr>
<td>Prof Michael Lupton</td>
<td>Academic Representative Law</td>
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<tr>
<td>Assoc Prof Rodney Pope</td>
<td>Academic Representative Physiotherapy</td>
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<tr>
<td>Dr Natalina Zlatevska</td>
<td>Academic Representative Business</td>
</tr>
<tr>
<td>Ms Justine Ebenreuter</td>
<td>Student Representative</td>
</tr>
<tr>
<td>Mr Scot Gannon</td>
<td>Community Member</td>
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<tr>
<td>Dr Joseph Leer</td>
<td>Community Member</td>
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<tr>
<td>Rev Malcolm Lindridge</td>
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<tr>
<td>Mrs Theodora Mwenegoha</td>
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<tr>
<td>Mr Jason Murray</td>
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<tr>
<td>Mrs Margaret Prentice</td>
<td>Community Member</td>
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<tr>
<td>Dr Lisa Marlow</td>
<td>Secretary</td>
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Subcommittee of BUHREC

The Subcommittee meetings are intended to accommodate the demands of low risk projects. The Subcommittee membership is constructed to obtain a diversity of sub-disciplines across the University to diminish bias and provide the diversity of views required to be NHMRC compliant.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Dr Lisa Abel, Chair</td>
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<tr>
<td>Dr Allan Abbott</td>
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<tr>
<td>Assoc Prof David Cattell</td>
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<td>Assoc Prof Katarina Fritzon</td>
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<td>Assoc Prof Rodney Pope</td>
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<td>Dr Bruce Watt</td>
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</table>
BOOKS


BOOK CHAPTERS


