



Research Highlights

2023

In the spirit of reconciliation, Bond University acknowledges the Traditional Owners and Custodians of the land on which the university now stands. The Kombumerri people have walked and cared for this land and wildlife for thousands of years, and their descendants maintain spiritual connection and traditions. We thank them for sharing their cultures, spiritualities and ways of living with the land and wildlife in this place we all now call home. We pay respect to Elder's past, present and emerging.



Welcome from the Provost

I am pleased to present the Bond University 2023 Research Highlights Report.

2023 was another year of growth for the Research Portfolio both in terms of impact and scale. Our research efforts continue to gain momentum and increase in complexity and reach.

In 2023, the University conducted a research quality assurance exercise to monitor the effectiveness of its research plans, and to measure the extent to which research meets the world standard threshold in the fields of education in which we teach. The review found research at Bond University to be 'world standard' or better for five out of six of the fields of education in which we teach.

The Research Highlights Report 2023 demonstrates our expanded reach and engagement with industry and the broader community through applied projects supporting health and wellbeing, economic benefits to business and the environment in which we live.

I am particularly proud of our Professorial Lecture Series which showcases our new Professorial appointments at Bond, through a public lecture series. The new Professorial appointments contribute to our research capabilities at Bond, through mentoring and supporting other academic staff and Higher Degree by Research (HDR) students.

I thank our academics, HDR students, committee members, partners, collaborators, and staff for their continued support of our progressive research agenda.

Professor Keitha Dunstan
Provost

Recognition

Professor Paul Glasziou AO was named among the top 1% of researchers worldwide on the [Clarivate Highly Cited Researchers List](#).

Stanford University's list of the top 2% of most-cited scientists includes 22 current and former [Faculty of Health Sciences and Medicine academics](#).

Dr. Megan Lee, Senior Teaching Fellow - Psychology, was elected to be the Secretary of the International Society of Nutritional Psychiatry Research (ISNPR).

Associate Professor Peta Stapleton was appointed to the Editorial Board of Scientific Reports, a Nature journal. It is the 5th most cited journal in the world.

External Research Income Success

The research effort at Bond University continues to grow, both in terms of research income and HDR student numbers and completions.

Some highlights from the year included:

In December, a team led by Professor Paul Glasziou and including Assistant Professor Mina Bakhit, Professor Tammy Hoffmann and Professor Mark Morgan from the Faculty of Health, Sciences and Medicine, were awarded a 2022 Medical Research Future Fund Clinical Trials Activity grant worth \$3.998M to conduct an implementation science trial to determine the best strategies for reducing inappropriate antibiotic use in clinical settings.

In partnership with the Queensland Government Department of Agriculture and Fisheries, Associate Professor Daryl McPhee from the Faculty of Society and Design secured \$375,390 to review solutions to reduce unwanted fisher interactions with elasmobranchs (sharks). Shark depredation (the removal of catch by sharks) causes negative impacts for commercial and recreational fishers due to lost and damaged catch and fishing gear, and reduced enjoyment of fishing, respectively. The resulting extra mortality of target species also leads to uncertainty in stock assessments that can compromise the sustainability of fisheries.

Inaugural Professorial Lecture Series

In 2023, Bond University launched the Inaugural Professorial Lecture Series as an initiative of the Provost, Professor Keitha Dunstan.

Featuring some of the most distinguished Professors in their fields, these public lectures showcase Bond University's new Professors who share their knowledge and expertise with the University community, our networks, as well as general public.

In 2023, we heard from four new Professors on a variety of topics including:



Professor David R. Gallagher, Bond Business School - "The Future of Superannuation and Retirement Funding in Australia"



Professor Bill (William) Thompson, Faculty of Society and Design - "Music on Prescription: From Brain Health to Social Harmony"



Professor Tsunemi Watanabe, Faculty of Society and Design - "Risk, Motivation and Project Management"



Professor Nicole Rogers, Faculty of Law - "Can Climate Litigation Save the Planet?"

Vice Chancellor's Research Awards 2023

The Vice Chancellor's Research Awards acknowledges the outstanding contributions of our researchers.

Research Excellence

Professor Tammy Hoffmann
Faculty of Health Sciences and Medicine

Professor Hoffmann leads the Centre for Evidence-Informed Health Decisions that successfully collaborates with clinicians, other universities, industry partners as well as government and health organisations. The Centre incorporates shared decision making and evidence-based practice as it focuses on better translating evidence into practice, hence helping people make informed decisions about health - including health professionals, patients, and the public.

Professor Hoffmann also conducts research into research reporting, useability, transparency, and open science. She is a highly recognised researcher, ranked 2nd in Australia for shared decision-making publications, and 2nd in Australia for evidence-based practice publications (Web of Science, 2013 - 2023). Professor Hoffman is ranked in top 8% of authors globally for evidence-based practice and in the top 1.5% for shared decision making (Expertscape).

She is a recipient of the highly prestigious national award - an Order of Australia and is a Fellow of the Australian Academy of Health and Medical Sciences.



Research Supervision

Professor Wayne Hing
Faculty of Health Sciences and Medicine

Professor Hing has a distinguished career in the field of Musculoskeletal Physiotherapy. He has over 30 years of experience as a leading consultant, advisor and reviewer for various committees, boards and working parties related to physiotherapy.

Professor Hing has published over 120 peer reviewed journal articles and has authorised two books as well as several book chapters. He has extensive experience in supervising HDR students with an excellent track record of completion rates. He has expertise in literature review and critique skills and research methodology. Professor Hing's supervision support has allowed many of his HDR and Doctor of Physiotherapy students to present their findings at national and international conferences.

Professor Hing leads by example, and his training and professional development of his staff and HDR students continuously produces highly employable physiotherapists with well-developed research skills who are strong ambassadors of the University.



Early Career Research Excellence

Assistant Professor Mina Bakhit Faculty of Health Sciences and Medicine

Dr. Bakhit is an early career researcher in the field of infections and antibiotic resistance in primary care. He has 29 publications and has gained significant external funding (~\$280,000) from groups including the Royal Australian College of General Practitioners and the World Health Organisation and is the only Australian on the Editorial Board of the British Journal of General Practice.

Dr. Bakhit is also an emerging research leader, whereby he coordinates and manages all major research program activities within the \$2.5M National Health and Medical Research Council (NHMRC) Centre of Research Excellence in Minimising Antibiotic Resistance in the Community program. He is also the coordinator of the Australian - New Zealand General Practice Research on Infections Network, whereby he engaged a collaborative group of researchers, clinicians, and policymakers to submit a multistate ~\$4M Medical Research Future Fund (MRFF) grant application this year. He currently co-supervises two PhD students and has supervised multiple Doctor of Medicine student projects in our Medicine Program.

His work has had significant public health impact regarding antibiotic resistance. Some key examples include his Antimicrobial Stewardship role within the Institute of Evidence-Based Healthcare, his ongoing education of general practitioners and his work with UK collaborators to develop a series of films to increase public awareness about the global threat of antibiotic resistance.



Vice Chancellor's PhD Award

Dr. Matthew Olsen Faculty of Health Sciences and Medicine

Dr. Matthew Olsen is a PhD graduate and researcher in Infectious Control and Prevention at Bond University. He has completed his PhD in 2022 entitled "Mobile Phones as Potentially Hazardous Fomites". This research explores mobile phones as contaminated platforms that may be passive vectors for microbial transmission.

Dr. Olsen's first publication in April 2020 received significant media attention and was associated with mobile phones potentially spreading the COVID-19 disease. In August 2023, Dr. Olsen and his team proved that 45% of mobile phones swabbed during the pandemic period were contaminated with SARS-CoV-2 virus. This work, based on a meta-analysis of a published systematic review, is concluding that hospitals and medical settings should implement a 6th moment of hand hygiene which is to sanitise mobile phones when treating patients.

Overall, Dr. Olsen's PhD has resulted in the publication of 10 research articles all available in international scientific peer-reviewed journals and retrieved with keywords including Sustainable Development Goal 3, Healthcare-Associated Infections, Public Health and Biosecurity.



Higher Degree by Research (HDR)

Graduations

Twenty-two Higher Degree Research students graduated in 2023. The University is proud of this achievement across all faculties and congratulates all graduates on their research success.

Dean's Doctoral Award

The Dean's Doctoral Award recognises exceptional PhD candidates and acknowledges their achievement for outstanding original contribution to a field of research and the originality and research impact of the thesis. Eligibility is based on the comments of, and the nature of any amendments requested by examiners and their assessment of the originality and research impact of the thesis, with two of the three examiners supporting the consideration for the award, noting the thesis is in the top 5% that they have examined.

In 2023, the University recognised the following awardees: Dr. Matthew Olsen (Faculty of Health Sciences and Medicine), and Dr. Nikki Cornwell (Bond Business School).

2023 Three Minute Thesis (3MT) Competition

In August, ten Higher Degree by Research students participated in the Bond University 3MT competition.

The Three Minute Thesis (3MT) competition, developed by the University of Queensland, requires PhD students to present their 80,000-word thesis in only three minutes, something that would normally take nine hours.

Bond University PhD candidate, Mrs Rozalija Erdelyi, won the \$2,000 grand prize for her work in the 3MT presentation titled "The Dark Triad and Personality Risk Factors for Counterproductive Work Behaviour". Our 2023 runner-up was Miss Vineesha Veer, who secured a \$1,000 prize for her presentation on the topic of "Why are Patients with Overactive Bladder Stopping their Drug Treatments?". PhD Candidate Dr. Eman Abukmail was voted People's Choice, receiving a \$500 prize for her presentation on "The Power of NO ACTION".



The 2023 3MT winner (left to right): Associate Professor Peta Stapleton and Mrs Rozalija Erdelyi

The 2023 3MT runner-up Miss Vineesha Veer

The 2023 3MT People's Choice winner Dr. Eman Abukmail

University Research Centres

Centre for Data Analytics

The Centre for Data Analytics (CDA) was established as a global research hub, engaging with government, private enterprise and not-for-profit organisations to ensure that the practical application of big data is optimised by the very latest research.

The focus of the CDA is closely aligned with the priorities of the Bond University Strategic Plan. During the 2023 year the CDA has been addressing the following two key strategic objectives among the others that are set out in the Bond University Research Strategy 2023 - 2027:

- Conduct targeted research in key areas which are world-standard in quality and impact; *and*
- Build and nurture key partnerships with professions, industry, government, and academia to enhance Bond University's reputation, and to grow capacity including the ability to undertake impactful research.

The key achievements in 2023 for the Centre for Data Analytics include:

- **Grant Acquisition and Research Excellence:** Secured an Australian Research Council (ARC) Discovery Grant, maintaining high-quality research with 75% of publications in top-ranked journals, while participating in a \$100 million Cooperative Research Centres (CRC) bid focused on data science and funding for PhD students, aiming to enhance Australian industries;

- **Integration of Research in Education:** Developed educational programs that incorporate research expertise, offering courses and micro-credentials linked to the Bond FinTech Hub, which provides industry-standard resources and round-the-clock access to Bloomberg terminals for students;
- **Research Culture and International Reputation:** Fostered a robust research environment with subscriptions to DataStream, training in Bloomberg, R, and Python, and enhanced international visibility through active participation in conferences, journal contributions, and media engagements;
- **Growth and Collaboration in Research Community:** Achieved a 12% increase in Centre membership by integrating new Actuarial Science experts, enhancing collaborations for grants and consultancies with notable partners, and actively supervising HDR students; *and*
- **Network Affiliations and Computational Resources:** Strengthened affiliations with Australian Data Science Network (ADSN) and Queensland Cyber Infrastructure Foundation (QCIF), promoting data science expertise nationally and securing access to high-performance computational resources, supporting research excellence and practical industry applications.



Centre for Data Analytics Team

University Research Centres

Centre for Professional Level Education

The Centre for Professional Legal Education (CPLE) is a community of legal educators, researchers, practitioners and administrators who collaborate in defining, understanding, and promoting best practice in the teaching of law, with an emphasis upon professional legal education and training, and understanding and responding to the changing nature of the legal services sector.

The major research projects and legal education initiatives launched and/or progressed by the CPLE in 2023 included the following:

- **'Job Readiness of Law Graduates'** - Funded by the Queensland Law Society (QLS), this project investigated the job readiness of today's law school graduates. The results were published in 2023 and received national attention;
- **'Re-Imaging the Regulation of Australian Legal Education'** - While primarily a Council of Australian Law Deans (CALD) Project, the CPLE assisted CALD in administering the review by Professor Sally Kift and Kana Nakano, and CPLE co-Director Professor Nick James led the establishment of a new project bringing together the key stakeholders in legal education, 'Australian Legal Education 2030 and Beyond';

- **'Wellness in Law'** - The CPLE administered and supported the Wellness Network for Law, a community of legal academics, practitioners and students who are committed to addressing the high levels of psychological distress experienced in law, and promoting wellness at law school, in the legal academy, and in the profession;
- **'Australian Law School Yearbook'** - The CPLE published (after several delays) the 2021 Yearbook; *and*
- **Program and Course Innovation** - The CPLE led the development of several innovative new programs and courses including the LLM (Family Dispute Resolution) and the LLB (Climate Law). Various other CPD and short courses were developed by the CPLE, including the Advanced Credential in Enterprise Governance, the Specialist Accreditation Family Law Arbitration Course for the Australian Institute of Family Law Arbitrators and Mediators (AIFLAM) and Notaries Society of Queensland course. Various short courses in mediation and family dispute resolution were offered by the Centre for Dispute Resolution in partnership with the CPLE.



Professor Nick James
Co-Director



Professor Rachael Field
Co-Director

University Research Centres

Institute of Evidence-Based Healthcare

The Institute for Evidence-Based Healthcare (IEBH) delivers world-class research, engagement and training that serves as a national and international resource for scholars, clinicians, system leaders, patients, and families in the implementation of evidence-based clinical care. The effective integration of research into practice contributes to the health and healthcare of Australians, influences health policy, improves global health outcomes, and enhances Bond University as a leading private and independent university.

In 2023, the Institute maintained its position as a global leader in various fields, earning recognition both locally and internationally. The Institute remained dedicated to conducting research that aligned with its core objectives and priorities.

Some of the highlights from 2023 include:

- **Stanford University World Top 2% Scientists** - Stanford University compiles a list of the top 2% of most-cited scientists, ranking academics based on the frequency with which their work is cited by other scholars. This ranking considers an individual's entire career impact as well as their impact within a one-year period. In the latest ranking, eight IEBH team members were recognised for both their career impact and one-year impact, while five IEBH team members were acknowledged for their one-year impact;
- **Clarivate Highly Cited Researchers 2023** - Professor Paul Glasziou AO was named among the top 1% of researchers worldwide for the 6th year running;
- **Awards** - Throughout 2023, IEBH team members were honoured with an array of awards, including the Bond University Vice Chancellor's Research Awards; the Best Research Poster Award at the Research, Innovation and Discovery Myalgic Encephalomyelitis/Chronic Fatigue Syndrome and Long COVID International



Professor Paul Glasziou

Conference; the People's Choice Award at the Bond University 3MT competition; the Best First-time Presenter Award at the Australasian Association for Academic Primary Care (AAAPC) Conference; and the Australia Clinical Trials Association Trial of the Year finalist in collaboration with the Wiser Healthcare group;

- **Systematic Review Accelerator** - It has been another successful year for the Systematic Review Accelerator (SRA) with a high number of users and interactions. Significant progress was made in upgrading to a new and improved version of the SRA, which is scheduled for a beta launch in early 2024. Workshops were very successful, drawing large numbers of attendees. The SRA is engaged in ongoing collaborations with multiple organisations nationally and internationally to enhance usability and applicability and aim to improve SRA support for Health Technology Assessments, provide access to high-quality meta-analysis software, and explore the potential integration of large language models;
- **Contract Research** - continued by IEBH, both as invited expert specialists and tender submissions. Some of these include:
 - World Health Organisation (WHO): Systematic reviews and evidence synthesis to inform a WHO guideline on prevention and management of Acute Rheumatic Fever and Rheumatic Heart Disease; *and*
 - Commonwealth Department of Health and Aged Care: Evaluation of the Medical Research Future Fund (MRFF) Clinical Trials Activity.; *and*
- **Telehealth Impact** - The uptake of telehealth by Australians has been considerable, representing 17.2% of all consultations in 2022. By provider, in 2022, telehealth consultations represented: 21.9% of all GP consultations, 13.7% of specialist consultations, 27.1% of mental health consultations, 28.3% of nurse practitioner consultations and 14.5% of allied health consultations. In October 2020, IEBH was contracted by the then-Department of Health (now known as the Commonwealth Department of Health and Aged Care), to complete a review of the evidence for the effectiveness, safety, and economic impacts of the provision of primary and allied healthcare via telehealth. The Institute completed the review in February 2021 and since then, over two years of additional evidence on the effectiveness and safety of telehealth has been published. In 2023, the team completed two new reports which are now available on the government's website: [Telehealth Work Package A](#) and [Telehealth Work Package B](#).

Faculty Research Centres

Centre for Comparative Construction Research

Faculty of Society and Design

In 2023, the Centre for Comparative Construction Research (CCCR) has sustained a period of consolidation and organic growth. The Centre increased research outputs and productivity, attracted and retained a high number of HDR students, enhanced capabilities in terms of both undertaking research and reporting that research in journals and conferences by delivering more seed funding for projects.

Some of the major achievement of the Centre in 2023 were:

- 85 journal papers were published by the 27 members of the CCCR, a 50% increase in output compared to 2022;
- Nine research projects received seed funding;
- Four members presented their research at international conferences, two at conferences in Australia;
- Seven separate fields of research have now been identified and each has a group of core researchers; *and*
- All members of CCCR were encouraged and supported to make a pitch for ARC funding this academic year.



Associate Professor Dane Miller demonstrates construction research facilities

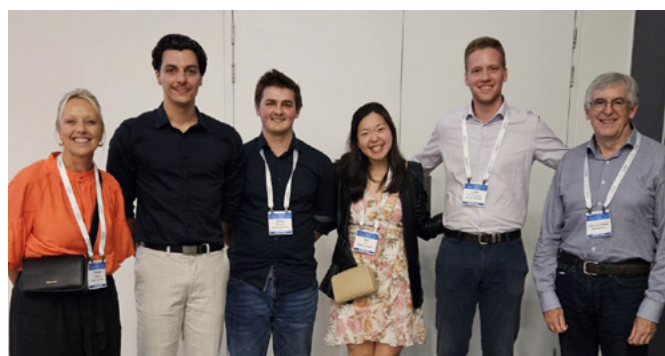
Centre for Urology Research

Faculty of Health Sciences and Medicine

The Centre for Urology Research (CUR) is built on almost two decades of prostate and bladder research conducted at Bond University. The Centre's work focuses on enhancing knowledge and understanding of the lower urinary tract, with the aim of developing new treatments or improving current treatments for urinary disease and disfunction.

2023 highlights for CUR include:

- **Collaborations:** Academic institutions in Nagoya and Meijo, Japan; Gothenburg, Sweden; Sao Paulo, Brazil; and industry collaborations in the USA and India;
- Online conference organised with the Japanese Society for Smooth Muscle Research;
- **Publications:** three reviews, 12 papers, an international report ICI (ICS) and 11 abstracts;
- **Successful completions** of three PhDs, one Research Masters and two Honours students;
- **External funding** obtained from Bunya Care and the pharmaceutical industry;
- **New technique** established (cystometry in mice, useful for industry drug testing); *and*
- **Best Student Presentation Prize** at the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologist (ASCEPT) Conference.



Oral Presentations by HDR students at the 2023 ASPEC Annual Meeting in Sydney (left to right): Associate Professor Donna Sellers, Mr. Eriq Burowski, Mr. Aidan McKeon, Dr. Iris Lim, Mr. Liam O'Callaghan and Professor Russ Chess-Williams



Ms Elouise Tye receives her Prize for Best Poster Presentation in Urogenital/Gastrointestinal field

Faculty Research Centres

Clem Jones Centre for Regenerative Medicine

Faculty of Health Sciences and Medicine

Researchers at the Clem Jones Centre for Regenerative Medicine (CJCRM) are at the cutting edge of stem cell science, investigating the therapeutic use of stem cells in tissue repair. The main goal for the Centre is to translate research excellence in stem cell science to the clinical setting for the direct benefit of patients and to deliver regenerative therapies for retinal diseases like age-related macular degeneration (AMD).

2023 research highlights include:

- Development of unique, fully defined protocols for the rapid differentiation of homogenous Rod and Cone photoreceptors as a monolayer in vitro from pluripotent stem cells (Beaver, Limnios);
- Development of procedures for implantation and survival of photoreceptors cells into rat eyes (Beaver, Limnios);
- Development of a laser model of choroidal neovascularization (CNV) or wet AMD in rats (Mammone, Barnett);
- The laser model was used to test the impact of drugs on vision (Toto, Rayner and Barnett). The steroid drug prednisolone reduced the formation of new, leaky, blood vessels and lessened the inflammatory response to retinal damage in the wet AMD rat model;
- Novel hybrid drugs were prepared by chemically coupling prednisolone to a nitroxide antioxidant agent (Barnett, Rayner and collaborators). The important antiangiogenic and anti-inflammatory actions of prednisolone were shown to be maintained. These drugs were designed to simultaneously protect against two of the damaging processes responsible for cellular damage in AMD, i.e. oxidative stress and inflammation; and
- Demonstration of the effectiveness of nanofibre electrospun membranes as a growth matrix for stem cell derived retinal pigment epithelial cells and their use in implantation (Abbasi, O'Neill).



Senior Post Doctoral Research Fellow Dr. Jason Limnios

The Tactical Research Unit

Faculty of Health Sciences and Medicine

The Tactical Research Unit (TRU) is a network of multidisciplinary, international experts who investigate ways to optimise the physical and cognitive capabilities, and safety of tactical personnel in military, law enforcement, firefighting and first responder organisations.

2023 has been a very productive and impactful year for TRU with some of the following major research achievements:

- Hosted the three-day 4th International Physical Employment Standards (PES) Conference at Bond University, which saw national and international keynote speakers, 52 scientific abstracts presented and delegates from 10 countries;
- Published 26 journal articles, produced four Technical Reports, presented 34 conference presentations nationally and internationally and disseminated research via television, radio interviews, magazines, articles, informative blogs, and industry podcasts; and
- Ran professional development sessions ranging from one hour to three days for professional and government groups in the USA, New Zealand and Singapore and hosted guests from Australia, Finland, and Canada.



Dr. Elisa Canetti (far right) and HDR student Elizabeth Marsh (centre) review data from Ambulance Tasmania Wilderness Paramedics undergoing a water recovery task

Faculty Research Centres

Simulation Collaborative

Faculty of Health Sciences and Medicine

Translational Simulation Collaborative (TSC) is an academic and operational alliance formed to deliver better healthcare outcomes through improved simulation delivery techniques and the development of healthcare practitioners who can use simulation for their everyday quality improvement.

Drawing on the combined expertise in healthcare simulation, education, quality improvement and anthropology, the Centre works with Australian and international institutions - including, but not limited to, hospitals, health services, universities, and industry partners - to develop and apply bespoke translational simulation strategies.

2023 highlights for the centre include:

- TSC members have published a broad range of scholarly contributions in peer-reviewed journals, blogs, podcasts, social media, invited presentations and conference presentations;

- The Centre provided consultancy activities and is working with:
 - **Laerdal Medical (Norway)** - building a 'Sim to Improve' program to be offered internationally;
 - **Metro North Hospital and Health Service** - supporting the Royal Brisbane and Womens Hospital (RBWH) High Performance Teamwork Strategy;
 - **South Australia Health - Medstar retrieval service** - Simulation Faculty development workshops; *and*
 - **Woodlands Health Group (Singapore)** - supporting design and transition to a new hospital.
- Microcredentials in Applied Translational Simulation, Simulated Patient (SP) methodology and Moulage are being developed;
- The Bond TSC hosted the inaugural Academic Writers Festival in March 2024; and
- The second Simulation: Reconnect event was held in November 2023, with almost 100 attendees from across Australia.



Emergency Department Simulation at Gold Coast Health



Tactical squad training with Royal Brisbane Womens Hospital

Research Week 2023

Bond University held its 12th Annual Research Week. During the week there were 14 events and over 900 registrations.

- The Research Awards night was attended by over 100 academics and the research community to celebrate the achievements of another successful year. The Vice Chancellor's Research Awards were presented.
- BUWN's Women in Research Breakfast 2023 provided us with inspirational speakers:
 - **Dr. Nikki Cornwell**, Bond Business School;
 - **Dr. Annette Greenhow**, Faculty of Law; and
 - **Professor Victoria Brazil**, Faculty of Health Sciences and Medicine.
- Our cohort of HDR students and supervisors attended a lunch where they heard from Associate Professor Peta Stapleton, Chair of Graduate Research (Faculty of Society and Design) and our 3MT winner PhD candidate Rozalija Erdelyi (Faculty of Society and Design) presented her winning talk "The Dark Triad and Personality Risk Factors for Counterproductive Work Behaviour".
- The first ever cross-disciplinary session was jointly hosted by the researchers from three faculties: Faculty of Health Sciences and Medicine (HSM), Faculty of Society and Design (FSD) and the Faculty of Law. Co-facilitated by Associate Professor Justin Keogh and Associate Professor Nikki Milne, the event was comprised of six short presentations from Bond University researchers, exploring new insights from women in sport, and future directions for innovations aimed at enhancing outcomes for women across the sport participation spectrum.
- Associate Professor Peta Stapleton, Chair of Graduate Research, held an interactive session on stress reduction strategies for HDR students, where she shared some 'Hacks for Stress Reduction' addressing identification of individual signs of stress, practical

strategies for rapidly reducing the stress response and the technology available to improve concentration, focus, sleep and more.

- The cross-disciplinary panel discussion showcased Bond University's research undertaken in the Bond Business School (BBS) and Faculty of Society and Design (FSD) alongside high-profile industry participants on the topic of "How Emerging Technologies are Innovating Workplaces and Urban Environments". The session included two short presentations from Dr. Libby Sander (BBS) and Associate Professor James Birt (FSD) and the panel discussion with the following industry members:
 - **Alice Drew** - Head of Place Futures;
 - **Marcus Rose** - the Managing Director of Valeo Technology, a leading company dedicated to creating high performance and wellness focussed environments through a sensory design approach; *and*
 - **Matthew Ottley** - Director and Managing Consultant of the Sydney office of Marshall Day Acoustics.

Bond Business School

The Bond Business School (BBS) and Industry guests held a panel discussion on 'Australia's \$3.5 Trillion Superannuation System - Past Present and Future'. Moderated by Professor David R. Gallagher, the panel was comprised of: Dr. Michael O'Neill (Honorary Adjunct Associate Professor, Bond University, and Fund Manager at Investors Mutual Limited), Emeritus Professor Ron Bird (Australian National University and Research Director at Portfolio Construction Forum), Professor Deborah Ralston (Member, Future Fund Board of Guardians, RBA Payments System Board, Non-Executive Director SMSF Association, Professorial Fellow at Monash University), and Mr. Jeremy Cooper (Former Chairman, Retirement Income at Challenger Limited).



Bond Business School and Industry Panel Discussion on Australia's \$3.5 Trillion Superannuation System (left to right): Emeritus Professor Ron Bird, Dr. Michael O'Neill, Professor David R Gallagher, Professor Deborah Ralston and Mr. Jeremy Cooper

Faculty of Health Sciences and Medicine

- Collaboration for Research in Understanding Stigma in Healthcare (CRUSH) Group from HSM provided an immersive experience session delivered through an Escape Room challenge, where participants learned and understood the concept of internalised or self-stigma related to mental health.
- Health Professions Education (HPE) Research Group organised a virtual international community of practice sessions on the topic of moulage, where leading experts, including Dr. Jessica Stokes-Parish, Dr. Daniel Bauer and Associate Professor Naomi Shiner, shared their knowledge expertise and opportunities ahead.
- HPE also hosted a "Show and Tell". Chaired by Professor Dawn Bennett (Assistant Provost) and led by Associate Professor Tanisha Jowsey, HSM, the session included several Bond academics discussing how to undertake research and the current hot topics in health professions education. Topics covered during the presentations were: Psychological safety in operating rooms; Unleashing the power of video-reflexive ethnography; Practice-based research in environmental sustainability and planetary health; Feedback on our teaching and educational interventions; and Observational research: CPR training on mannequins.
- TRU from HSM hosted a Rapid Fire Mini Congress with Dr Scott Gayton as the keynote speaker addressing 'Creating Mission Critical Teams' followed by rapid research presentations and a guided industry/academic discussion covering topics such as occupational fatigue, fitness testing and standards in tactical population, tactical equipment wear, and boot wear from a tactical industry perspective.
- Dr. Jason Limnios from the CJCRM hosted a public lecture forum where the latest research on treating blindness through stem cell therapies was presented. The audience heard about the current research undertaken at Bond and the goals of the Centre to treat age-related macular degeneration and other retinal degenerative diseases. In addition, an Acellular Dermal Matrix (ADM) patient together with retinal surgeon, Dr. Bob Bourke shared their perspectives of vision loss, the realities and challenges they face, and expressed their hopes for the upcoming wave of stem cell therapies. The lecture also included a demonstration on how the retina works.

Faculty of Law

The Faculty of Law Research Showcase was an interactive discussion session where several Bond University researchers explored the legal issues associated with transborder data flows from a range of perspectives including:

- Data privacy law
- Space law
- Cyberspace law
- Border protection
- National security
- Law enforcement

Faculty of Society and Design

FSD showcased translational research undertaken in the faculty and throughout the University through four presentations from across a range of disciplines, describing the impact research has outside of the academia and the challenges and rewards of striving for impact:

- "Real-time monitoring of early-age compressive strength of concrete using an Internet of Things-enabled monitoring system", presented by Associate Professor Dane Miller (FSD) and Assistant Professor Nima Talebian (FSD);
- "Athlete Activists, Sports Diplomats and Human Rights: Action versus Agency", presented by Dr. Stuart Murray (FSD);
- "Home alone - using LiDAR technology to improve home safety in older people", Presented by Professor Susan Brandis (HSM), Judith George (Master of Occupational Therapy Student (HSM), Assistant Professor Sally Fields (HSM), Marco Leung (Master of Occupational Therapy Alumni (HSM), Assistant Professor Rosemarie Rusch (FSD), Dr. Johari Hussein Nassor Amar (FSD), Associate Professor Lynne Armitage (FSD) and Zicheng Zhu (PhD Student, FSD); *and*
- "Food for Mood: Nourishing Your Way to a Brighter Mind", presented by Dr. Megan Lee (FSD).



Cross-disciplinary session from Bond Business School and Faculty of Society and Design on How Emerging Technologies are Innovating Workplaces and Urban Environments (left to right): Dr. Libby Sander, Matthew Ottley, Marcus Rose, Alice Drew, Associate Professor James Birt and Associate Professor Oliver Baumann



Assistant Professor Jaclyn Szkwara from the Faculty of Health Sciences and Medicine presenting at Research Week 2023 session 'I want to break free! Escape to wellness and mind liberation'



The Vice Chancellor's Research Award recipients (left to right): Dr. Matthew Olsen (2023 Vice Chancellor's Award - PhD), Professor Wayne Hing (2023 Vice Chancellor's Award - Research Supervision), Professor Nick Zwar (Executive Dean - Faculty of Health Sciences and Medicine), Professor Tammy Hoffmann (2023 Vice Chancellor's Award - Research Excellence), Professor Keitha Dunstan (Provost), Assistant Professor Mina Bakhit (2023 Vice Chancellor's Award - Early Career Research Excellence)

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