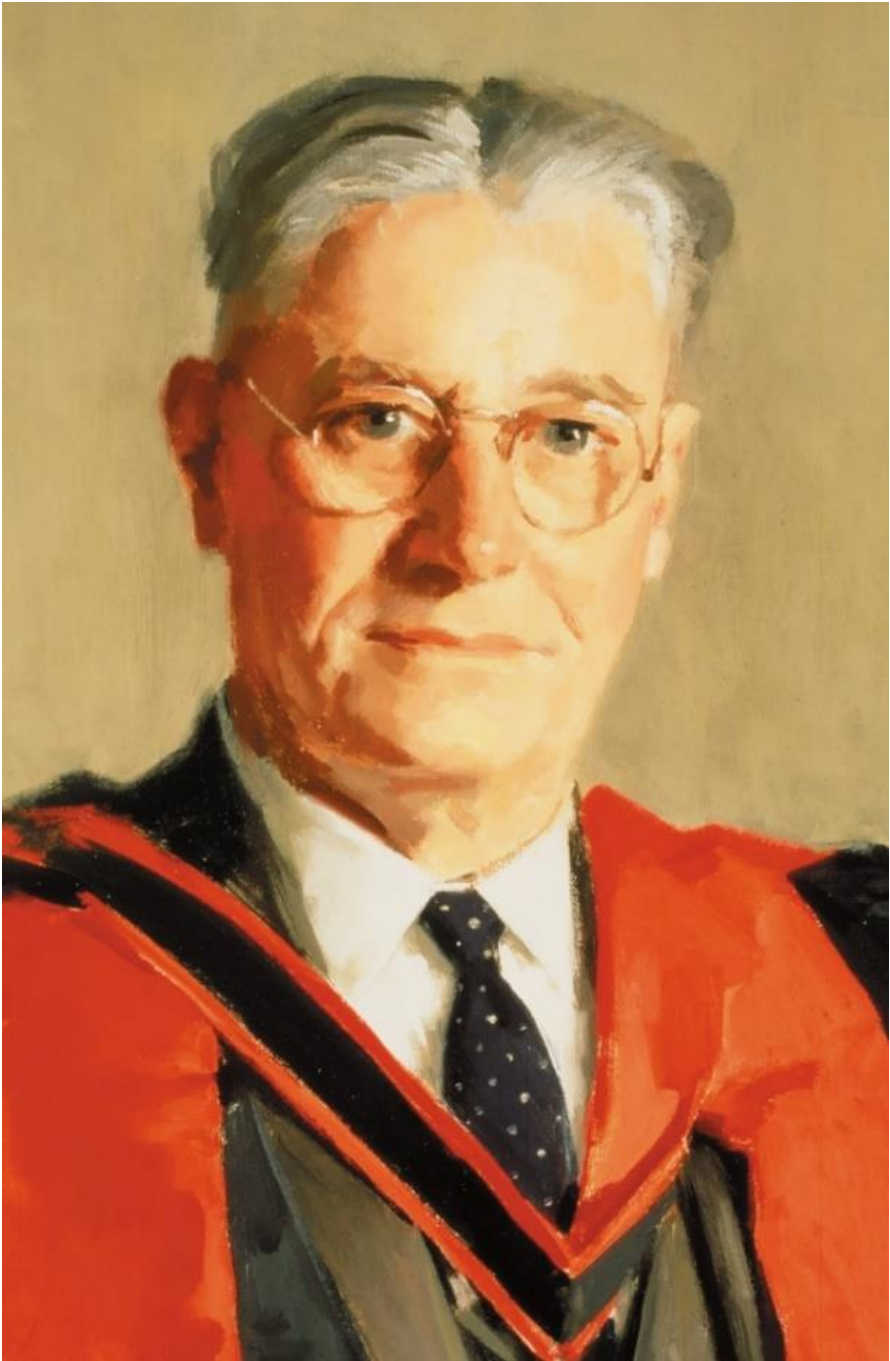


# 2025 Florey Postgraduate Research Conference

Wednesday 20 August

Adelaide Convention Centre

**make  
history.**



# Florey Medical Research Foundation

Named after Lord Howard Florey, a University of Adelaide graduate who shared a Nobel Prize for his development of penicillin, the Florey Medical Research Foundation raises funds for postgraduate research scholarships and early-career postdoctoral research fellowships within the medical degree.

Lord Florey and his team of scientists changed the course of history when they developed penicillin into a life-saving antibiotic treatment. Today, through the foundation that bears his name, his lifetime of achievement continues to inspire Adelaide students and researchers alike.

The foundation is based within the Faculty of Health and Medical Sciences.

## About the Conference

The Florey Postgraduate Research Conference is a highlight in the Faculty of Health Sciences calendar. This year, the conference reaches its 19th year and will showcase some of the outstanding research activity occurring within the Faculty of Health and Medical Sciences.

Higher Degree by Research (HDR) Students are presented with this opportunity to discuss their research with fellow students, academics, industry partners and other major stakeholders of the University. Excellence in research will be recognised through the award of many prizes, supported by our highly regarded sponsors.

Attendees will also have an opportunity to hear from our distinguished speakers on “Preparation for life post PhD” during the professional development session.

This year we are excited to announce that in addition to showcasing the high calibre research being undertaken by our HDR students, the conference will feature an additional Careers Expo component aimed at providing advice, guidance, opportunity and support for all current students on possible career options available.



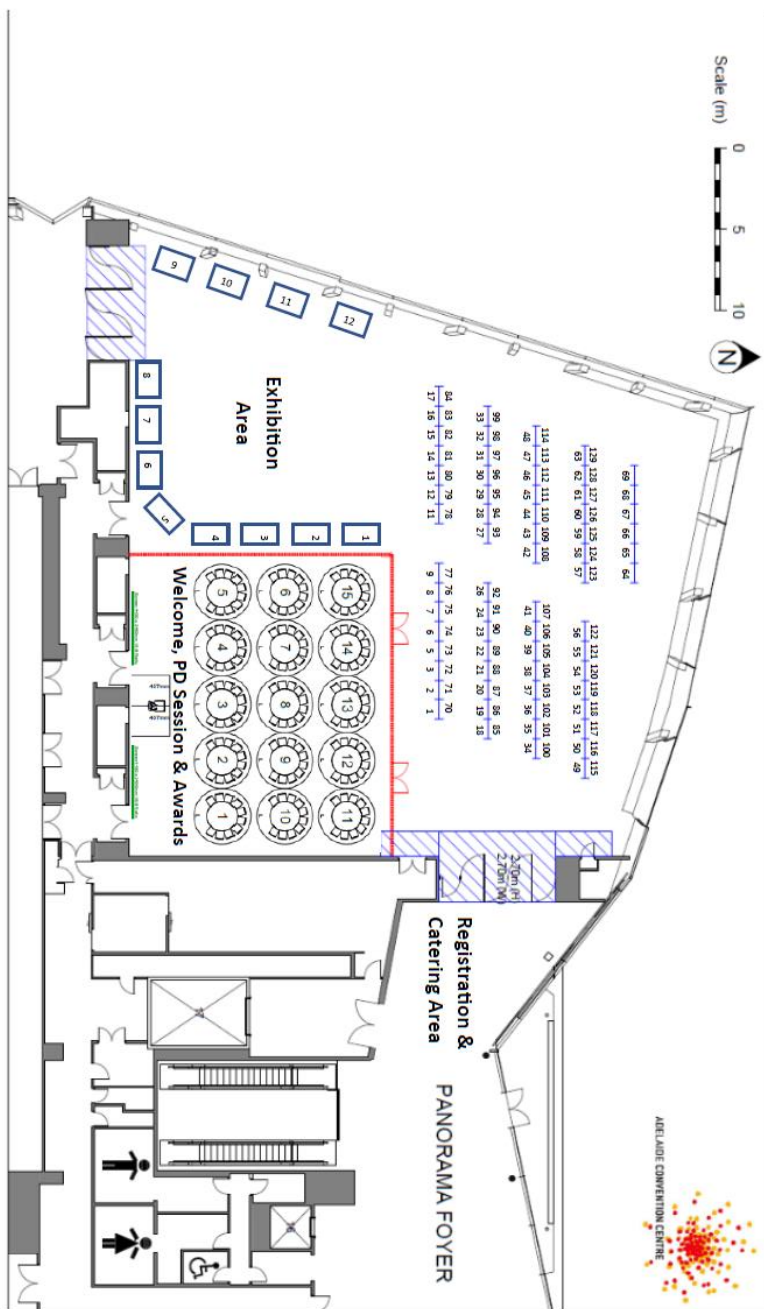
# Poster Presentations

Poster presentations will be judged over two presentation sessions. Each presentation will be assessed by a small research panel following the criteria below.

Each assessor will provide a score out of 10 for each category.

- Quality and clarity of presentation and poster
- Scientific merit
- Quality of data/results/significance
- General understanding and ability to answer questions
- Overall poster rating

The most outstanding presentations will be recognised through the award of prizes supported by our valued sponsors.



please note: conference hall map still to be finalised  
**2025 Florey Postgraduate Research Conference**

# Professional Development Workshop

The Personal Development Session will cover your PhD journey, early career planning and potential pathways post PhD.

In this year's Q & A session, a panel of esteemed guests will share their experiences of life after graduation and provide tips on how to navigate potential challenges and build resilience. You will have the opportunity to pre-submit questions upon registration.

Our speakers may reflect on the following topics:

- Building resilience and mental agility
- How to stay positive
- Time management: prioritising and multi-tasking
- Gaining transferable skills and increasing your employability – thinking beyond your PhD topic
- How to increase engagement with stakeholders and industry
- Effective self-promotion and standing out from the crowd
- Career directions and opportunities I didn't anticipate

## Speakers

Our panel of speakers are from varied backgrounds and areas. The guests include:



Dr Peter Diamond

Dr Peter Diamond holds a Bachelor of Science (Honours) and a PhD in Medicine from the University of Adelaide. He has extensive experience in supportive care, health policy, research, and stakeholder engagement. At the Leukaemia Foundation of Australia, he held several senior roles, including Head of Support Services, Policy and Advocacy, and Research. He is currently the General Manager of Support and Research at Cancer Council SA and chairs the National Cancer Council Supportive Care Steering Committee.



Dr Michelle Perugini

Dr Michelle Perugini is a healthcare entrepreneur and AI expert with a PhD in Medicine and a decade of oncology research experience. She has founded two global AI tech companies, including Presagen, known for its AI platform and fertility product Life Whisperer, which was sold in 47 countries before being acquired in 2024. That same year, Presagen merged with Qubist to form Qubigen, focused on AI-driven drug design, where she serves as Co-Founder and Board Chair. Michelle is also Head of Commercialisation at the University of South Australia and CEO of UniSA Ventures. She has received multiple awards, including the 2021 Women in AI Healthcare and Telstra Brilliant Women in Digital Health Awards.



Dr Marie-Claire Seeley

Dr Marie-Claire Seeley is a Post-Doctoral Research Fellow at the University of Adelaide, specialising in autonomic disorders such as POTS and long COVID (PASC). She established Australia's first POTS registry and is the founder and CEO of the Australian POTS Foundation, leading research and advocacy focused on improving patient care through lived-experience insights.





Professor Mario Ricci

Professor Mario Ricci is the Deputy Dean of Learning and Teaching in the Faculty of Health and Medical Sciences at the University of Adelaide, with over 25 years of experience in higher education. He oversees more than 40 academic programs and coordinates two popular MOOCs with over 124,000 enrolments worldwide, along with an anatomy YouTube channel with 77,500 subscribers. He has received multiple national and international awards for teaching excellence, including the 2016 Australian Award for University Teaching in Biological Sciences and Health.



Professor Tracy Merlin

Professor Tracy Merlin is the Deputy Executive Dean of the Faculty of Health and Medical Sciences, Head of the School of Public Health, and Director of Adelaide Health Technology Assessment (AHTA) at the University of Adelaide. As Australia's first Professor of Health Technology Assessment, she has nearly 25 years of experience evaluating health technologies for the Australian Government to inform public funding decisions. She has developed national guidelines and reforms for medicines, devices, vaccines, and personalised medicine, and contributed expert research to the recent HTA Policy and Methods Review. Internationally recognised, she served on the board of INAHTA for eight years, including as Chair from 2020 to 2023.



Professor Christopher  
Sweeney

The master of ceremonies for the session will be Professor Christopher Sweeney.

He is the inaugural Director of the South Australian immunoGENomics Cancer Institute (SAIGENCI) at the University of Adelaide. A University of Adelaide medical graduate, Professor Sweeney has held senior academic and clinical roles in the USA, including at Harvard Medical School and Dana-Farber Cancer Institute. His research focuses on drug development and the treatment of genitourinary cancers, particularly prostate and testicular cancer.

# Postgraduate Careers Expo

This year we are excited to announce that in addition to showcasing the high calibre research being undertaken by our HDR students, the conference will feature an additional Postgraduate Careers Expo aimed at the current PhD and Masters students.

We are delighted to have representatives from themes and areas such as:

## **The Adelaide Graduate Research School (AGRS)**

We are here to support and guide you through all facets of your candidature, from admission, scholarships, professional opportunities, CaRST and completion.

## **Postgraduates Internships and Industry**

Research Internships and Industry-engaged HDR programs offer exceptional opportunities to apply and further develop professional skills and expertise in your specific field and chosen career. Participation in one of our unique industry engagement programs will provide a strong complement to your academic studies and give you a head start in future employment opportunities.

## **Career Services**

Our mission at the University of Adelaide Career Services is twofold: one, prepare our highly skilled students for their professional careers; and two, connect them with industry and employers.

## **Research Development**

Representatives from the Research Development team will be available to discuss: What makes a grant application successful?; The kind of support available to grant seekers (and holders) at the University; Possible alternative career pathways after your PhD - a career in research administration? This friendly bunch have met with many of the researchers at our university and love supporting our research community. Stop by for a chat about life after your PhD.

## Teaching Pathway

Have you enjoyed teaching during your HDR journey and thought about it as a career pathway? We have great resources around learning and teaching. Speak to enthusiastic educators who have completed their PhD and chosen teaching as their rewarding career.

## Industry

- [Agilex Biolabs](#) is Australia's largest and most technologically advanced regulated bioanalytical and toxicology laboratory offering both large and small molecule drug development support with the recent expansion into the cell & gene therapy space.
- [Mayne Pharma](#) is an ASX-listed specialty pharmaceutical Company (ASX: MYX) focused on commercializing novel and generic pharmaceuticals. We offer patients better, safer and more accessible medicines.
- [ThincLab](#) is The University of Adelaide's business incubator supporting students, alumni, staff and startups. We support founders and their innovative venture through tailored coaching and programs from a variety of industry experts to take your idea to the market.
- [The UofA Store](#)  
Did you know that all proceeds from their sales going to YouX and back into student events, activities and giveaways. The Store will have a stall at this year's Florey Conference. They will be providing the conference door prize and will be kindly offering all FHMS HDR students in attendance a 10% discount. The discount will also be available in the week following the conference.

We hope to provide students with as much information about possible career directions as possible. This is an invaluable opportunity for students to meet and learn how to engage with the broad range of above-mentioned stakeholders.

All eligible students\* participating will go in the draw to win a door prize! Prize to be announced closer to the event.

Please visit the [Postgraduate Careers Expo webpage](#) for more information.

# Program

| Time    | Session Information   | Location                        |
|---------|---|---------------------------------|
| 8.30am  | Registration and CaRST Sign in for poster presenters  | Panorama Foyer                  |
| 9:00am  | <b>Official Opening</b><br>Professor Amanda Page (MC)   | Panorama Rooms 2 & 3            |
| 9:10am  | Industry Engagement Presentation<br>(delivered by Mrs Anna Yallop, Business Development Manager, Business Development team) | Panorama Ballroom               |
| 9:20am  | Research Poster Presentation Session 1 & Postgraduate Careers Expo  | Panorama Ballroom               |
| 10.50am | Morning Tea   | Panorama Foyer                  |
| 11:10am | Research Poster Presentation Session 2 & Postgraduate Careers Expo  | Panorama Ballroom               |
| 12.40pm | Lunch   | Panorama Foyer and City Suite 1 |
| 1:40pm  | Professional Development Session  | Panorama Rooms 2 & 3            |
| 3:40pm  | <b>Awards Ceremony</b><br><i>with canapes and refreshments</i>  | Panorama Rooms 2 & 3            |
| 4:40pm  | Close   |                                 |

# Poster Presentation Session 1

## Ageing, Frailty and Mobility

| Poster Number | Presentation Details  |
|---------------|---|
| 1             | <b>Nishadi Gamage</b><br><i>Transcranial alternating current stimulation improves ballistic motor performance in trained and untrained limbs of healthy older adults</i><br>School of Biomedicine   |
| 3             | <b>Sabrina Guensche</b><br><i>Heat-Related Mortality and Morbidity in Older Adults — A Global Systematic Review and Meta-Analysis</i><br>School of Public Health  |
| 5             | <b>Ella Kelty</b><br><i>Forensic Anthropology of the 21st century reimagined: Novel method for the detection of clandestine graves using photoionisation technology to quantify volatile organic compounds above graves.</i><br>School of Biomedicine |
| 7             | <b>Hourieh Tousian</b><br><i>Senlect: a genetically encoded system to purify senescent cells</i><br>Adelaide Medical School   |

## Cancer Biology and Clinical Oncology

| Poster Number | Presentation Details   |
|---------------|--|
| 9             | <b>Dana Al Safadi</b><br><i>The role of AR signalling in ER-positive breast cancer cell migration and metastasis</i><br>Adelaide Medical School            |
| 11            | <b>Ahmed Aldoghachi</b><br><i>Dissecting the Role of Androgen Receptor in Bladder Cancer: Insight from Cell Line Models</i><br>Adelaide Medical School     |
| 13            | <b>Olivia Bellas</b><br><i>Neuropsychological complications of chemotherapy and the involvement of the endocannabinoid system</i><br>School of Biomedicine |

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| 15 | <p><b>Maxim Buckley</b></p> <p><i>From Little Things Big Things Grow: Extracellular vesicles from CRLF2 p.F232C Ba/F3 culture media transfer protein and genomic material to parental Ba/F3 cells and induce leukaemic transformation</i></p> <p>Adelaide Medical School</p> |
| 17 | <p><b>Regina Belen Callanta</b></p> <p><i>Non-coding RNAs as regulators of neuronal differentiation and neuroblastoma</i></p> <p>School of Biomedicine</p>   |
| 19 | <p><b>Katrina Cao</b></p> <p><i>Clinical trial design for cannabinoids in supportive cancer care: insights from a systematic review</i></p> <p>School of Biomedicine</p>   |
| 21 | <p><b>Cate Cheney</b></p> <p><i>Characterising the role of butyrate, a microbial short-chain fatty acid, in modulating cellular dynamics of acute lymphoblastic leukaemia cell lines</i></p> <p>Adelaide Medical School</p>  |
| 23 | <p><b>Ifeoma Dikeocha</b></p> <p><i>Contribution of whey hydrolysate and medium-chain triglyceride-rich diets on chemotherapy adherence and response in the Dark Agouti Adenocarcinoma model</i></p> <p>School of Biomedicine</p>  |
| 25 | <p><b>Sara Foschini</b></p> <p><i>An in vitro co-culture model to study interactions between colorectal cancer and the tumour-homing bacteria Escherichia coli Nissle 1917</i></p> <p>Adelaide Medical School</p>  |
| 27 | <p><b>Anxuan Han</b></p> <p><i>Gene expression prediction and analysis based on whole slide images in prostate cancer using deep learning</i></p> <p>SAiGENCI</p>  |
| 29 | <p><b>Sadia Hasan</b></p> <p><i>Dissecting immune escape mechanisms in CRC using orthotopic organoid mouse models</i></p> <p>Adelaide Medical School</p>   |
| 31 | <p><b>Wuyu Lin</b></p> <p><i>Improving lung cancer immunotherapy by identifying key immune regulators through crispr-cas9 screening</i></p> <p>SAiGENCI</p>  |
| 33 | <p><b>Zuhal Naderi</b></p> <p><i>Deciphering the Role of RUNX1 in Chronic Myeloid Leukaemia Using Single Cell RNA Sequencing</i></p> <p>Adelaide Medical School</p>  |

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| 35 | <b>Basira Najafzadeh</b><br><i>Investigating a role for NF-KB inhibition in overcoming therapeutic resistance to EGFR TKIs in lung cancer</i><br>SAiGENCI   |
| 37 | <b>An Nguyen</b><br><i>Establishment of a novel syngeneic mouse model to study the role of sphingolipid metabolism in prostate cancer</i><br>SAiGENCI   |
| 39 | <b>Alex Pace</b><br><i>Identifying factors that influence androgen receptor tumour suppressive activity in ER+ breast cancer using a genome-wide CRISPR screen</i><br>Adelaide Medical School                                     |
| 41 | <b>Luke Quinlan</b><br><i>Modelling the CNS-niche in vitro to investigate therapeutic vulnerabilities in acute lymphoblastic leukaemia</i><br>Adelaide Medical School   |
| 43 | <b>Tasnova Tasnim Nova</b><br><i>Differentiation therapy sensitises IDH1 Mutant Cholangiocarcinoma to Fibroblast Growth Factor Receptor Kinase Inhibition: New Strategies for a Challenging Cancer</i><br>Adelaide Medical School |
| 45 | <b>Linh Hang To</b><br><i>Exploring the impact of fibre intake on the gut microbiome and the risks of chemotherapy-induced cognitive impairment in women with breast cancer undergoing chemotherapy</i><br>School of Biomedicine  |

## Cardiac, Respiratory and Vascular Health

| Poster Number | Presentation Details   |
|---------------|--|
| 47            | <b>Jenelle Dziano</b><br><i>A novel risk score for the identification of heart failure with preserved ejection fraction in patients with symptomatic atrial fibrillation: The LOAD2 score</i><br>School of Biomedicine             |
| 49            | <b>Tefera Mekonnen</b><br><i>Joint analysis of diet quality, inflammatory potential of diet and ultra-processed food exposure in relation to chronic respiratory diseases and lung cancer mortality</i><br>Adelaide Medical School |
| 51            | <b>Mitchell Nicmanis</b><br><i>Examining the effectiveness of psychosocial interventions for patients with a cardiac implantable electronic device: A systematic review and meta-analysis</i><br>School of Psychology              |
| 53            | <b>Ira Rahmawati</b><br><i>Psychological Outcomes of Family Members Who Witness A Loved One's Resuscitation in The Emergency Department</i><br>Adelaide Nursing School   |
| 55            | <b>Stuti Saini</b><br><i>Gene-addition therapy does not normalise underlying disease mechanisms for Cystic Fibrosis lung disease</i><br>Adelaide Medical School  |
| 57            | <b>Suhanya Seimon</b><br><i>Gender Disparities in Presentation, Treatment patterns and Quality of Life in Australian patients with Chronic Limb Threatening Ischaemia.</i><br>Adelaide Medical School                              |
| 59            | <b>Kelsey Sharrad</b><br><i>Preliminary results of a pilot cluster RCT examining a smoking cessation training program and culturally-tailored resources</i><br>Adelaide Medical School   |
| 61            | <b>Janet Smith</b><br><i>Sex Differences in 5-Year Clinical Coronary Events Among Patients With Angina and Non-Obstructive Coronary Arteries (ANOCA)</i><br>Adelaide Medical School  |



## Child and Adolescent Health

| Poster Number | Presentation Details  |
|---------------|---|
| 63            | <b>Aasiya Mohebi</b><br><i>Prevalence of cardio-metabolic risk factors among women in early pregnancy</i><br>Adelaide Medical School  |
| 65            | <b>Zahra Ali Padhani</b><br><i>Burdens and risk factors for mortality in adolescents and young adults aged 10-24 years in Australia and comparison with OECD countries between 2000-2021: GBD 2021 Study</i><br>School of Public Health             |
| 67            | <b>Cameron Stott</b><br><i>Is Positive Behaviour Support effective for reducing behaviours of concern in autistic children within the National Disability Insurance Scheme? A realist synthesis</i><br>School of Allied Health Science and Practice |
| 69            | <b>Anabelle Suemith-Fajardo</b><br><i>Cross-Cultural Application of Positive Psychology Therapy for Children and Adolescents in Low-and Middle-Income Countries: A Scoping Review</i><br>School of Psychology                                       |

## Early Origins of Health

| Poster Number | Poster Number  |
|---------------|--|
| 71            | <b>Danielle Bailey</b><br><i>The Effect of Sequential Red Blood Cell Transfusions on Pulmonary Physiology in Preterm Infants</i><br>Adelaide Medical School                                    |
| 73            | <b>Amelia Noone</b><br><i>Inside the Newborn Brain- Cerebral Fractional Tissue Oxygen Extraction During Episodes of Desaturation in Near-Term to Term Infants.</i><br>Adelaide Medical School  |
| 75            | <b>Yoshi Tan</b><br><i>Can Ventilation-Based Approaches Differentiate Responders from Non-Responders to Antenatal Corticosteroids in Preterm and Near-Term Lambs?</i><br>School of Biomedicine |

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## Fertility and Conception

| Poster Number | Poster Number  |
|---------------|--|
| 77            | <b>Cristina Arriaran Scott</b><br><i>Investigating within-individual variation in regulatory T cells in women across menstrual cycles</i><br>School of Biomedicine                     |
| 79            | <b>Rachel Hosking</b><br><i>"My Body Controls my Life." Understanding the most pertinent areas of life for Australian people living with Endometriosis.</i><br>Adelaide Medical School |
| 81            | <b>Minnu Jayapal</b><br><i>Isoform specific regulation of cumulus cell properties by pde4b and pde4d</i><br>School of Biomedicine  |

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## Immunology and Infection

| Poster Number | Presentation Details  |
|---------------|---|
| 83            | <b>Sarah Battersby</b><br><i>Small scale transcriptomic and functional analysis of rare Treg populations in long-COVID</i><br>School of Biomedicine   |
| 85            | <b>Isabella Burdon</b><br><i>Microbial Dysbiosis in Chronic Rhinosinusitis</i><br>Adelaide Medical School   |
| 87            | <b>Henrik Johansson</b><br><i>Harnessing the potential of mRNA vaccines against hepatitis C virus</i><br>Adelaide Medical School  |
| 89            | <b>Hannah Morgan</b><br><i>Can JAZF1 Restore iTreg Function and Stability for Inflammatory Bowel Disease Treatment?</i><br>School of Biomedicine  |
| 91            | <b>Elham Shokati</b><br><i>The development of more effective next-generation cytokine-induced killer cell therapies for the improved treatment of metastatic colorectal cancer</i><br>Adelaide Medical School |

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| 93 | <b>Christina Varghese</b><br><i>The impact of temperature on Ross River virus and Barmah Forest virus infection in Australia: A scoping review</i><br>School of Public Health          |
| 95 | <b>Sintayehu Wondemagegn</b><br><i>S. aureus and S. lugdunensis co-isolated from the Same Niche act in concert to Disrupt the Nasal Epithelial Barrier.</i><br>Adelaide Medical School |

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## Indigenous Health and Health Equity

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| Poster Number | Poster Number   |
|---------------|---|
| 97            | <b>Catherine ooi</b><br><i>Concepts of Death Anxiety in Palliative Care: a Scoping Review</i><br>School of Public Health  |
| 99            | <b>Tashayini Thambyrajah</b><br><i>Exploring Racial Bias and Cultural Safety in Australian Dental Education: A Document Analysis of Learning Objectives and Accreditation Standards</i><br>Adelaide Dental School |
| 101           | <b>Wajeeda Zahid</b><br><i>The relationship between food security with diet quality and oral health among Aboriginal and Torres Strait Islander children.</i><br>Adelaide Dental School                           |

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## Innovative Therapeutics

| Poster Number | Poster Number  |
|---------------|--|
| 103           | <b>Luke Bland</b><br><i>Refining Methods to Investigate Sequential Changes in the Molecular Landscape of Endothelial-to-Haematopoietic Transition</i><br>Adelaide Medical School |
| 105           | <b>Angela Boahen</b><br><i>The antibiofilm and wound healing prowess of Plasma-activated water</i><br>Adelaide Medical School  |
| 107           | <b>Harriet Cooling</b><br><i>ESKAPEing AMR: 213 nm laser light to combat ESKAPE pathogens</i><br>Adelaide Medical School   |
| 109           | <b>Uta Ishikawa</b><br><i>Development of Nanodiscs as a novel mRNA Delivery System for in situ Cancer Immunotherapy.</i><br>SAiGENCI   |
| 111           | <b>Bjoern Hendrik Kolbe</b><br><i>A push towards food safety: Plasma-activated water to combat foodborne pathogens</i><br>Adelaide Medical School                                |

## Poster Presentation Session 2

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### Men's Health

| Poster Number | Poster Number  |
|---------------|--|
| 2             | <b>Alebachew Fasil Ashagre</b><br><i>The Impact of Testosterone Treatment on Inflammatory Markers in Adult Males: A Systematic Review and Meta-Analysis</i><br>Adelaide Medical School |
| 4             | <b>Georgia Breakey</b><br><i>A Qualitative Content Analysis of Men's Online Discussions About Their Partner's Contraceptive use</i><br>School of Psychology                            |
| 6             | <b>Patience Castleton</b><br><i>The influence of gender norms on post-migration men's sexual and reproductive health: a scoping review</i><br>School of Public Health                  |

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### Musculoskeletal Health

| Poster Number | Poster Number  |
|---------------|--|
| 8             | <b>Kexun Chen</b><br><i>Rethinking Exercise Prescription in Chronic Neck Pain: A Mechanistically-Informed Approach</i><br>School of Allied Health Science and Practice   |
| 10            | <b>Iresha Dilhari Senarath</b><br><i>Global Healthcare Access and Utilisation for Chronic Nonspecific Musculoskeletal Neck Pain: A Systematic Review</i><br>School of Allied Health Science and Practice                                       |
| 12            | <b>Riccarda Quattlaender</b><br><i>Enhancing bone mineral density via high-velocity resistance training in women over 45 (OsteoVelocity). Protocol of a randomized controlled pilot study.</i><br>School of Allied Health Science and Practice |

## Neuroscience, Behaviour and Brain Health

| Poster Number      | Presentation Details   |
|--------------------|--|
| 14                 | <b>Abdulrahman Alghathayan</b><br><i>Nurses' Experiences and Perspectives of Conscientious Objection in Practice: A Qualitative Systematic Review</i><br>Adelaide Nursing School   |
| 16                 | <b>Mohammad Aloufi</b><br><i>Exploring wellbeing and its influencing factors among nursing students- Multi-method study</i><br>Adelaide Nursing School   |
| 18                 | <b>Rosie Costigan-Dwyer</b><br><i>Exploring the long-term blood-brain-barrier alterations associated with secondary neurodegeneration in ischaemic stroke.</i><br>School of Biomedicine  |
| 20                 | <b>Sebastian Deverson</b><br><i>Rigidity and Radicalisation: Does Perceived Uncertainty Trigger Inflexible Extreme Beliefs?</i><br>School of Psychology  |
| 22                 | <b>Ryan Dorrian</b><br><i>Connecting the spots: Establishment and application of the Void Spot Assay to compare urinary bladder function between male and female rats with traumatic Spinal Cord Injury</i><br>School of Biomedicine |
| 24                 | <b>Joseph Higginson</b><br><i>Value in Variety: Exploring Assumptions in Consensus-Based Reasoning</i><br>School of Psychology   |
| 26                 | <b>Madeleine Homes-Vickers</b><br><i>Changing the "Game" - A novel serious-gaming system to address cognitive dysfunction in Parkinson's disease</i><br>School of Biomedicine  |
| Abstract Withdrawn | <b>Alysha Hua</b><br><i>Consistency of Same-Identity and Different-Identity Trial Performance in Face Matching Tasks</i><br>School of Psychology   |
| 28                 | <b>Ishi Jamdagni</b><br><i>The Role of Job Stressors and Strain for Content Moderators: A Mixed-Methods Study</i><br>School of Psychology  |

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| 30 | <b>Michail Laoumtzis</b><br><i>The Human Integrated Sensor System (HISS): Harnessing the Power of Psychoneuroimmunology for the Early Detection of Biological Threat Exposure</i><br>School of Biomedicine  |
| 32 | <b>Eva Moore</b><br><i>TMaC Study: A patient-blinded, randomised, sham-controlled, parallel-group study evaluating effects of repetitive Transcranial Magnetic stimulation on Chemotherapy-induced pain in bowel cancer patients</i><br>School of Biomedicine |
| 34 | <b>Jane Morphett</b><br><i>Affective Experience Remodels PNNs in a Brain Region-Specific, Immune-Dependent Manner — with Parallel Trends in Humans</i><br>School of Biomedicine   |
| 36 | <b>Amy Myles</b><br><i>A Systematic Umbrella Review of Reported Rationales for Terminology Used to Discuss Medically Unexplained Symptoms</i><br>School of Psychology   |
| 38 | <b>Emmylou Nicolas</b><br><i>Edit and Activate: Combined CRISPR Prime Editing and Gene Transactivation Techniques to Study Rare Genetic Diseases</i><br>School of Biomedicine   |
| 40 | <b>Chanodya Ranwala</b><br><i>Functional characterisation of enhancer variants associated with common epilepsy</i><br>School of Biomedicine   |
| 42 | <b>Mahnaz Reisian</b><br><i>A Systematic Review of Associations Between Functional Connectivity, Mood and Cognition in Patients with Irritable Bowel Syndrome</i><br>Adelaide Medical School  |
| 44 | <b>Jacqui Scott</b><br><i>Interrogating the role of the gut microbiota in bortezomib-induced peripheral neuropathy through human-to-mouse faecal microbiota transfer</i><br>School of Biomedicine   |
| 46 | <b>Breanna Terrington</b><br><i>Machine learning to predict stress resilience: A systematic review of methods and resilience factors across the lifespan</i><br>Adelaide Medical School   |
| 48 | <b>Wishayanant Thirasantikamol</b><br><i>Assessing the Neurokinin-1 Receptor Antagonist, Befetupitant, on Reducing Cerebral Oedema in a Pre-Clinical Model of Ischaemic Stroke</i><br>School of Biomedicine   |

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| 50 | <b>Natalie Tuckey</b><br><i>Road testing the Be Well Plan to co-design a sustainable mental health intervention for people with multiple myeloma and smouldering myeloma</i><br>School of Biomedicine |
| 52 | <b>Wei Ching Shawn Yong</b><br><i>Impact of Clozapine on the Proteome: A Systematic Review</i><br>Adelaide Medical School   |
| 54 | <b>Xiaoying Yu</b><br><i>The pathological mechanisms underpinning USP9X syndrome</i><br>School of Biomedicine   |

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## Nutrition and Metabolic Health

| Poster Number | Presentation Details  |
|---------------|---|
| 56            | <b>Negin Amin</b><br><i>Investigating the effect of dietary intake on bone loss and fracture risk in women with breast cancer (research protocol)</i><br>School of Biomedicine  |
| 58            | <b>Parivash Ghorbaninejad</b><br><i>Effects of combined intragastric administration of quinine with L-leucine or L-isoleucine on the glycaemic response to, and gastric emptying of, a mixed-nutrient drink in healthy males</i><br>Adelaide Medical School |
| 60            | <b>Sona Gopinathan</b><br><i>How selective is selective autophagy?</i><br>Adelaide Medical School   |
| 62            | <b>Elaheh Heshmati</b><br><i>High-Fat Diet-Induced Alterations in Redox Balance and Leptin Regulation in in vivo Models: A systematic review and meta-analysis</i><br>School of Biomedicine   |
| 64            | <b>Elham Hosseini Marnani</b><br><i>The prevalence of autonomic neuropathy in women with type 2 diabetes in Iran</i><br>Adelaide Medical School   |
| 66            | <b>Parisa Rouhani</b><br><i>Dose-related effects of intraduodenal calcium to modulate appetite perceptions and suppress energy intake in healthy males</i><br>Adelaide Medical School   |



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| 68 | <b>Matthew Summers</b><br><i>Augmented enteral protein during critical illness: The TARGET Protein cluster randomized trial</i><br>Adelaide Medical School |
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## Oral Health

| Poster Number | Poster Number  |
|---------------|--|
| 70            | <b>Thao Liang Chiam</b><br><i>Variation in the three-dimensional shape of the human hard palate and its association with genetic ancestry: a geometric morphometrics study</i><br>Adelaide Dental School |

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## Pregnancy and Birth

| Poster Number | Poster Number  |
|---------------|--|
| 72            | <b>Rashmi Baid</b><br><i>Metabolic and Immune dysfunction as determinants of recurrent pregnancy loss and the clinical efficacy of Metformin in improving outcome</i><br>Adelaide Medical School                         |
| 74            | <b>Sara El-Kaissi</b><br><i>Navigating Motherhood &amp; Career: Experiences of Motherhood, Identity Development, Returning to Paid Employment and Psychological Wellbeing of Working Mothers</i><br>School of Psychology |
| 76            | <b>Uyen Pham</b><br><i>Histocompatibility antigen disparity between parents is essential for enhanced placental efficiency, offspring development and metabolic health</i><br>School of Biomedicine                      |
| 78            | <b>Shreetha Ramasubramanian</b><br><i>Disruption of maternal androgen signalling in early gestation causes fetal growth restriction</i><br>School of Biomedicine   |

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## Surgical and Health Systems Innovation

| Poster Number | Poster Number   |
|---------------|---|
| 80            | <b>Akash Gowda</b><br><i>Strategies to treat Retinitis Pigmentosa in an Animal Model</i><br>Adelaide Medical School   |
| 82            | <b>Shizuku Inomata</b><br><i>Nebulised plasma-activated water to treat foodborne pathogens</i><br>Adelaide Medical School   |
| 84            | <b>Georgina Neville</b><br><i>Plasma-activated water: a novel antimicrobial agent against mono- and dual-species biofilms</i><br>Adelaide Medical School  |
| 86            | <b>Matthew Ng</b><br><i>Development, validation, and application of a bioanalytical method for plasma propofol quantification in major non-cardiac surgical patients</i><br>School of Biomedicine |

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## Translational Health Outcomes

| Poster Number | Presentation Details  |
|---------------|---|
| 88            | <b>Damjana Bogatic</b><br><i>Gut decontamination modulates efficacy of faecal microbiota transplantation in inflammatory bowel disease</i><br>Adelaide Medical School                       |
| 90            | <b>Georgina Edwards</b><br><i>Health Literacy in Adults with a Spinal Cord Injury or Disorder: Major Findings from a Systematic Review</i><br>School of Psychology                          |
| 92            | <b>Nicolle Kelaiditis</b><br><i>The effect of parasocial relationships on belief formation and its influence on pro-social, civic and political behaviours</i><br>School of Psychology      |
| 94            | <b>Jessica Morrison</b><br><i>The cost of a combo; a systematic review examining the nature and extent of unhealthy food promotion within meal delivery apps</i><br>School of Public Health |

|     |  |
|-----|--|
| 96  | <b>Damon Phillips-Chantelois</b><br><i>The consumers' view of available quit-smoking resources in South Australia</i><br>Adelaide Medical School   |
| 98  | <b>Misha Richards</b><br><i>Understanding endometriosis diagnosis: utilising patient lived experiences for health system insights, and identifying intervention opportunities for improved diagnosis accessibility.</i><br>Adelaide Medical School |
| 100 | <b>Camille Schubert</b><br><i>Cost-Effectiveness Analysis of DNA Sequencing (Genomic Autopsy) After Unexplained Perinatal Death</i><br>School of Public Health   |
| 102 | <b>Myat Myat Thein</b><br><i>A systematic review of snakebite health outcomes and factors influencing those outcomes</i><br>School of Public Health  |
| 104 | <b>Chelsea Valenzuela</b><br><i>The user experience and adoption of automation and AI in evidence synthesis: a scoping review</i><br>JBI   |
| 106 | <b>Michael Weightman</b><br><i>Artificial intelligence in psychiatric education and training: A narrative review of trends from 2016 to 2024</i><br>Adelaide Medical School  |
| 108 | <b>Gemma Wilson</b><br><i>12-Month Outcomes Following Multidisciplinary Management of Postural Orthostatic Tachycardia Syndrome (POTS)</i><br>Adelaide Medical School  |

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#### **Kaurna acknowledgement**

We acknowledge and pay our respects to the Kaurna people, the original custodians of the Adelaide Plains and the land on which the University of Adelaide's campuses at North Terrace, Waite, and Roseworthy are built. We acknowledge the deep feelings of attachment and relationship of the Kaurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs. The University continues to develop respectful and reciprocal relationships with all Indigenous peoples in Australia, and with other Indigenous peoples throughout the world.

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July 2022  
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