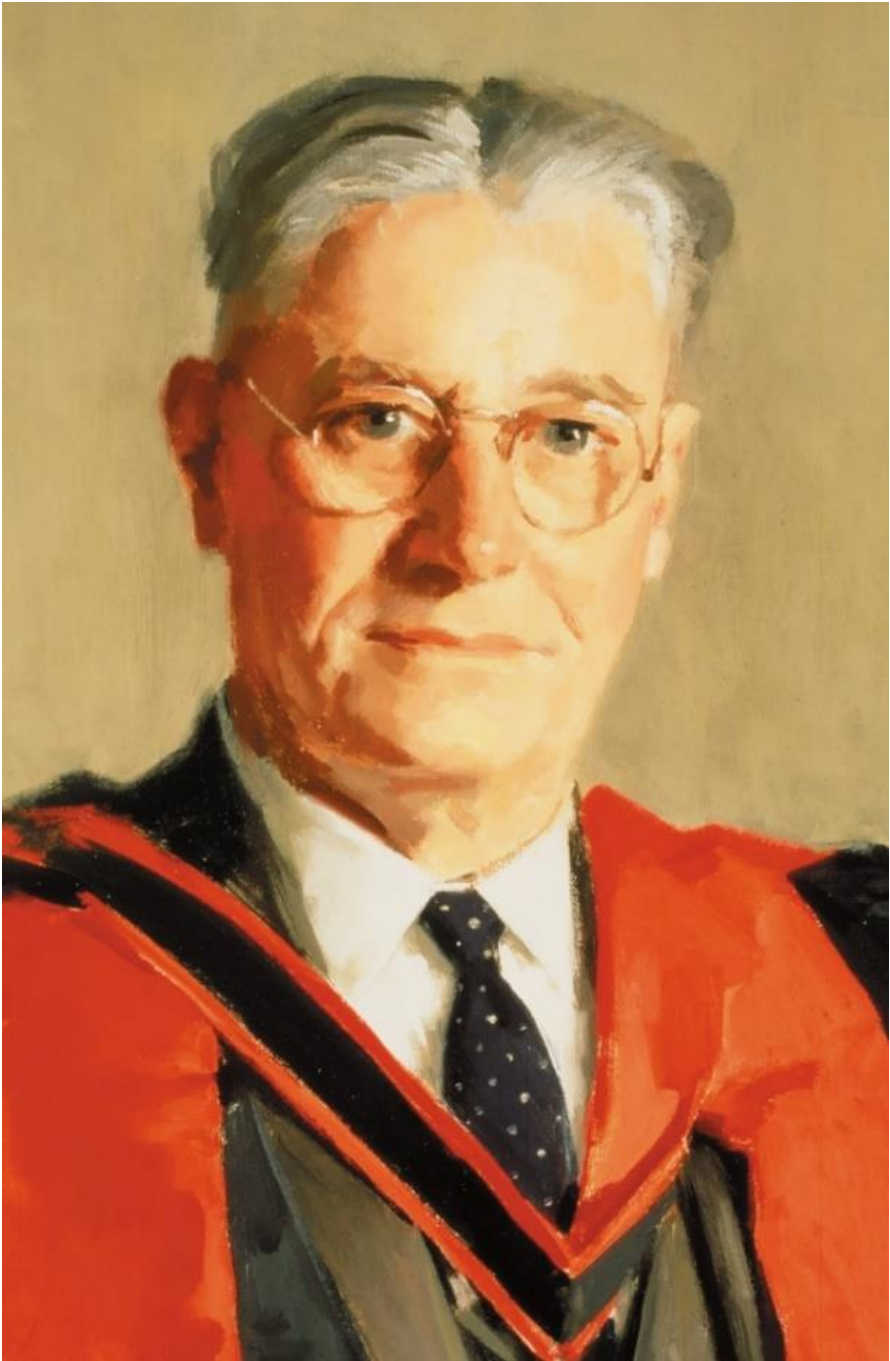


# 2023 Florey Postgraduate Research Conference

Wednesday 2 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 17th 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 information and promotional component aimed at prospective students.

# 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.

# Professional Development Workshop

This year's professional development session "Preparation for life post PhD" will focus on early career planning and the transition process from study to the workplace. Run in a round table format, HDR students will hear from guest speakers in the following 4 potential career pathways post PhD

Attendees will also have an opportunity to meet with recent graduates and academics from Animate your Science and SAHMRI who will share their insights on how to better communicate your research in a captivating and engaging way.

In addition, Career Educators from our very own Career Services will provide advice on how to find job opportunities and connect with potential employers.

## Research

### **Dr Matthew Stevens**

Research Fellow, School of Biomedicine, Faculty of Health and Medical Sciences

### **Dr Anneka Bowman**

Senior Research Fellow, Aboriginal Communities and Families Health Research Alliance (ACRA)

## Teaching

### **Dr Sarah Halliday**

Lecturer, School of Psychology, Faculty of Health and Medical Sciences

### **Dr Amie Foran**

Clinical Neuropsychologist and Lecturer in the School of Psychology, Faculty of Health and Medical Sciences

## **Industry**

### **Dr Vicky Alexandrou**

Managing Director and co-founder of Bio-Optics Australia

## **Clinical & Professional**

### **Dr Suzanne Dawson**

Practitioner Fellow in the Caring Futures Institute, Flinders University and works in clinical practice as Principal Occupational Therapist for SALHN mental health services

## **Science Communication**

### **Dr Ben Lewis**

Science Writer and Communicator at SAHMRI

### **Dr Khatora Opperman**

Science communicator and project manager at Animate Your Science

## **Career Services**

### **Melanie Spandrio**

Career Educator, Career Services, University of Adelaide

### **Michelle McKinnon**

Career Educator, Career Services, University of Adelaide

# Higher Degree by Research Promotional Event

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 information and promotional component aimed at prospective students.

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

## Student lifecycle support

- Adelaide Graduate Research School
- Dr Branko Aleksic (Joint PhD Program Coordinator Nagoya University, Japan)

## Student support and career guidance & resources

- Wellbeing Champions Network
- Health Sciences Postgraduate Association (HeSPA)

## Faculty of Health & Medical Science schools

- Adelaide Dental School
- Adelaide Medical School
- Adelaide Nursing School
- JBI
- School of Allied Health Science and Practice
- School of Biomedicine
- School of Psychology
- School of Public Health

## **Research groups, institutes and local health networks**

### **Institutes**

- Basil Hetzel Institute
- Robinson Research Institute
- South Australian Health and Medical Research Institute (SAHMRI)
- South Australian immunoGENomics Cancer Institute (SAiGENCI)

### **Local Health Networks**

- Central Adelaide Local Health Network (CALHN)
- Women's and Children's Health Network (WCHN)
- Northern Adelaide Local Health Network (NALHN)

This is a fantastic and invaluable opportunity for prospective students to meet a broad range of stakeholders they could share their future Higher Degree by Research journey with.



# Program

Time	Session Information	Location
8.30am	Registration and CaRST Sign in for poster presenters	Panorama Foyer
9:10am	<b>Official Opening</b> MC: Professor Sarah Vreugde	Panorama Rooms 2 & 3
9:20am	<b>Session 1</b> Research Poster Presentations & HDR Promotional Event	Panorama Ballroom
10.50am	Morning Tea	Panorama Foyer
11:10am	<b>Session 2</b> Research Poster Presentations & HDR Promotional Event	Panorama Rooms 2 & 3
12.40pm	Lunch	Panorama Foyer
1:25pm	CaRST Sign in for Professional Development Session	Panorama Foyer
1:40pm	Professional Development Session <b>Preparation for Life post PhD</b> <i>with guest speakers</i>	Panorama Rooms 2 & 3
3:40pm	<b>Awards Ceremony</b> <i>with drinks and light refreshments</i> Presenter: Professor Andrew Zannettino, Executive Dean	Panorama Rooms 2 & 3
4:40pm	Close	

# Poster Presentation Session 1

## Cardiac, Respiratory and Vascular Health

Poster Number	Presentation Details
1	<b>Nader Alotaibi</b> <i>Intensive care nurses' roles and experiences with enhancing adherence to 'Prevention of Ventilator-Associated Pneumonia' Clinical Practice Guidelines in Saudi Arabia: a qualitative descriptive study</i> Adelaide Nursing School
2	<b>Olivia Girolamo</b> <i>A 10 year experience in Functional Coronary Angiography</i> Adelaide Medical School, Basil Hetzel Institute
3	<b>Sarena La</b> <i>Health Outcomes in Patients with Chronic Coronary Syndromes due to Obstructive or Non-Obstructive Coronary Arteries</i> Adelaide Medical School, Basil Hetzel Institute
4	<b>Amanda Maddern</b> <i>Nature-based interventions have positive impacts on lower respiratory outcomes</i> School of Allied Health Science and Practice
5	<b>Noah Mckenna</b> <i>The haemokinetic manouver: a novel mechanism to impact heart rate variability</i> Adelaide Medical School, SAHMRI
6	<b>Tefera Mekonnen</b> <i>Ultra-processed food consumption and risk of mortality caused by respiratory diseases.</i> Adelaide Medical School

7	<b>Getandale Negera</b> <i>"Diabetic" cardiomyopathy (DbCM): Specific pathogenesis, specific therapeutics?</i> Adelaide Medical School, Basil Hetzel Institute
8	<b>Mitchell Nicmanis</b> <i>The Psychological, Social, and Quality of Life Outcomes of People With a Cardiac Implantable Electronic Device: An Umbrella Review</i> School of Psychology
9	<b>Nicole Reyne</b> <i>Assessing CFTR function and lung mechanics in Phe508del rats treated with CFTR modulators</i> Adelaide Medical School, Robinson's Research Institute

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## Men's Health

Poster Number	Presentation Details
10	<b>Eric Mercier – poster withdrawn</b> <i>"It's not my role to raise the kids. It's our role.": Mothers' Constructions of Living in a Family Where The Father Works Part-Time and is Highly Involved in Child-Rearing</i> School of Psychology

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## Neuroscience, Behaviour and Brain Health

Poster Number	Presentation Details
11	<b>Hassan Al Gharash</b> <i>Nurses competency in the provision of self-management education to inpatients with diabetes in Saudi Arabia</i> Adelaide Nursing School
12	<b>Mohammad Aloufi</b> <i>Wellbeing and resilience in Saudi Arabian Undergraduate Nursing Students</i> Adelaide Nursing School

13	<b>Madeleine Bessen</b> <i>Cerebrospinal fluid flow following traumatic spinal cord injury: an investigation using phase-contrast magnetic resonance imaging in the pig</i> Adelaide Medical School
14	<b>Rudrarup Bhattacharjee</b> <i>Compromised THOC2, a TREX mRNA export complex scaffold protein, leads to R-loop accumulation, DNA damage and adverse neurodevelopmental outcomes in mice and men</i> Adelaide Medical School, Robinson's Research Institute
15	<b>Isabella Bilecki</b> <i>Aged Barriers: Influence of Age and Stroke on Blood-Brain Barrier Integrity in a Preclinical Model</i> School of Biomedicine
16	<b>Madison Boda</b> <i>Diet, Physical Activity and Sleep on Motor Function and Motor Fatigue in People with Multiple Sclerosis: A Scoping Review</i> School of Biomedicine
17	<b>Eleanor Bowley-Schubert</b> <i>Utilising the CHIMERA model to model neurodegeneration following a single mild TBI</i> School of Biomedicine
18	<b>Jacob Brain</b> <i>Cardiovascular disease, associated risk factors, and risk of dementia: An umbrella review of meta-analyses</i> School of Psychology
19	<b>Matt Clark</b> <i>Current and emerging models of preoperative psychological preparation for individuals undergoing stoma surgery.</i> School of Psychology
20	<b>Maya Davies</b> <i>Anti-cancer drugs reduce the viability and proliferation of human neural progenitor cells</i> School of Biomedicine, SAHMRI
21	<b>Ryan Dorrian</b> <i>Evaluating the efficacy of peripheral nerve stimulation via a novel graft-antenna to improve outcomes following traumatic spinal cord injury</i> School of Biomedicine

22	<b>Samantha Edwards</b> <i>a-synuclein pathology in the olfactory system following mTBI: a potential contributor to later neurodegeneration?</i> School of Biomedicine
23	<b>Benjamin Ellul</b> <i>Predicting longitudinal cognition and mood changes in newly diagnosed Parkinson's Disease from substantia nigra imaging</i> Adelaide Medical School
24	<b>Sandra Jenkner</b> <i>In-depth immunophenotyping reveals myeloid subpopulation heterogeneity in a clinical case series of chronic spinal cord injury</i> School of Biomedicine, SAHMRI
25	<b>Justin Krieg</b> <i>Impact of age on diffuse axonal injury and functional outcomes in a novel gyrencephalic ferret model of TBI.</i> School of Biomedicine
26	<b>John Laws</b> <i>The Neurological Bioactivity of Cannabis Prevalant Terpenes</i> Adelaide Medical School
27	<b>Merrick Liao</b> <i>Modulation of dorsal premotor cortex differentially influences visuomotor learning in young and older adults</i> School of Biomedicine
28	<b>Emily Moore</b> <i>Not just a head knock: Investigating neuroplastic changes within the DLPFC following mTBI</i> Adelaide Medical School
29	<b>Jane Morphett</b> <i>Unveiling non cellular influence in Emotion Related Neural Circuitry The Intersection of Perineuronal Nets, Microglia, and Affective State</i> School of Biomedicine
30	<b>Emily Mullins</b> <i>The role of emotional arousal in information sharing</i> School of Psychology
31	<b>Isaac Saywell</b> <i>Influence of cognitive reserve on cognitive and motor function in <math>\alpha</math>-synucleinopathies: a systematic review and meta-analysis</i> School of Psychology

32	<b>Ines Semendric</b> <i>In Their Own Words: A Qualitative Systematic Review of 'Chemobrain' in Childhood Cancer Survivors</i> School of Biomedicine
33	<b>Benjamin Simmonds</b> <i>The Influence of Cues to Consensus Quantity and Quality on Belief in Health Claims</i> School of Psychology
34	<b>Srisankavi Sivasankar</b> <i>The effect of spinal cord injury severity on chronic cognitive dysfunction in a cervical hemi-contusion rodent model.</i> School of Biomedicine
35	<b>Keziah Skein</b> <i>A new model to evaluate concomitant traumatic brain injury and its role in developing neuropathic pain following spinal cord injury.</i> School of Biomedicine
36	<b>Shannon Stuckey</b> <i>The Role of Neuroinflammation in Delayed Neurodegeneration following Ischaemic Stroke</i> School of Biomedicine
37	<b>Ellen Williams</b> <i>Non-invasive brain stimulation in the treatment of post-stroke aphasia: a scoping review</i> School of Biomedicine, SAHMRI

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## Nutrition and Metabolic Health

Poster Number	Presentation Details
38	<b>Javad Anjom Shoaie</b> <i>Intraduodenal administration of calcium enhances the suppression of energy intake and stimulation of plasma cholecystokinin by L-tryptophan in healthy males</i> Adelaide Medical School, NHMRC Centre of Research Excellence in Translating Nutritional Science to Good Health, UofA
39	<b>Georgia Clarke</b> <i>A high-fat high-sugar diet prevents adaptations in gastric vagal afferent satiety signaling during pregnancy</i> School of Biomedicine, SAHMRI & Research Robinson Institute

40	<b>Md Kamruzzaman</b> <i>Food insecurity is common in type 2 diabetes in Bangladesh and associated with diabetes distress and depression.</i> Adelaide Medical School
41	<b>Zinat Mohammadpour</b> <i>The effect of post-oral bitter compounds on the postprandial glycaemia response in humans: a systematic review and meta-analysis of randomised controlled trials</i> School of Biomedicine, SAHMRI
42	<b>Saima Shaukat Ali</b> <i>Prevalence and factors associated with the use of artificial sweeteners in non-pregnant non-lactating women aged 15 – 49 years</i> Adelaide Medical School, Robinson's Research Institute
43	<b>Elizabeth Smith</b> <i>Nutrition practices in the critically ill long-stay patient: A post-hoc analysis</i> Adelaide Medical School
44	<b>Yixuan Sun</b> <i>Immediate and long-term effects of four-week insulin pump therapy on gastric emptying in newly diagnosed, treatment-naïve, Chinese patients with type 2 diabetes</i> Adelaide Medical School
45	<b>Laurent Turner</b> <i>Is time-restricted eating anti-inflammatory? A systematic review with meta-analysis.</i> Adelaide Medical School, SAHMRI

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## Surgical and Health Systems Innovation

Poster Number	Presentation Details
46	<b>Dr. Avisak Bhattacharjee</b> <i>Assessing women's knowledge about breast density</i> Adelaide Medical School, Basil Hetzel Institute
47	<b>Madeleine Bryant</b> <i>Adaptation and validation of a Patient Reported Experience Measure (PREM) in Australian outpatient rheumatology care</i> Adelaide Medical School, Basil Hetzel Institute

48	<b>Aaron Hammat</b> <i>Cost Analysis of PJI treatments in Total Joint Arthroplasty patients</i> Adelaide Medical School
49	<b>Matheesha Herath</b> <i>Smile For The Camera - Does The Hawthorn Effect Exist? A Systematic Review and Meta-analysis</i> Adelaide Medical School, Basil Hetzel Institute
50	<b>Kasey Irwin</b> <i>Exploring Operating Room Staff Experience Related to The Design of Operating Room Spaces in Australia</i> Adelaide Nursing School
51	<b>Joshua Kovoov</b> <i>The Adelaide Score: An Artificial Intelligence Measure of Readiness for Discharge after General Surgery</i> Adelaide Medical School, Basil Hetzel Institute
52	<b>Marie Nguyen</b> <i>What is the effectiveness of fibrin sealants compared to placebo or no intervention in reducing blood loss and time to surgical drain removal post-operatively in adult patients undergoing head and neck surgery?</i> School of Public Health, Joanna Briggs Institute
53	<b>Thomas Robertson</b> <i>Highly porous tantalum acetabular components without ancillary screws have similar migration at seven years when compared with titanium components with ancillary screw fixation: a randomized controlled trial</i> Adelaide Medical School
54	<b>Nigussie Sharew</b> <i>Biologically Informed Polygenic Scores for Lithium Treatment Response in Patients with Bipolar Disorder</i> Adelaide Medical School
55	<b>Brandon Stretton</b> <i>Impact of perioperative direct oral anticoagulant assays: a multicenter cohort study</i> Adelaide Medical School, Basil Hetzel Institute



56	<b>Jin Lin Tan</b> <i>Enhancing Accuracy in Barrett's Surveillance using Artificial Intelligence: A multimodal (White-light and Narrow-band Imaging) model comparing Vision Transformer versus Convolutional Neural Networks</i> Adelaide Medical School
57	<b>Luke Traeger</b> <i>Pyridostigmine to Reduce the duration of postoperative Ileus after Colorectal surgery – a double-blinded Randomised Controlled Trial (PyRiCo-RCT)</i> Adelaide Medical School

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## Translational Health Outcomes

Poster Number	Presentation Details
58	<b>Jessica Charlton</b> <i>The Experiences of Individuals Accessing Personalised Disability Funding Schemes: A Scoping Review</i> School of Allied Health Science and Practice
59	<b>Chan Hee Cho</b> <i>Migration Patterns of Acetabular Cups: A Systematic Review and Meta-Analysis of RSA Studies</i> Adelaide Medical School
60	<b>Syeda Fatima</b> <i>Intra-urban risk assessment of occupational injuries and illnesses associated with current and projected climate: Evidence from three largest Australian cities</i> School of Public Health
61	<b>Sabira Hasanoff</b> <i>Developing a novel risk of bias tool for improving the conduct of scoping reviews for informing policy and practice in health</i> School of Public Health, Joanna Briggs Institute
62	<b>Jingwen Liu</b> <i>Quantifying the National Burden of Cardiovascular Disease in Australia: The Impact of high temperature under climate change</i> School of Public Health
63	<b>Kate Neadley</b> <i>Addressing the unmet social needs of cancer patients in Adelaide's northern suburbs: Opening Pandora's Box</i> Adelaide Medical School

64	<b>Lilli Stephenson</b> <i>Methadone maintenance programs: An update on methadone diversion and overdose in the South Australian autopsy population</i> School of Biomedicine
65	<b>Michelle Thomson</b> <i>A systematic review protocol- of Clinical Practice Guidelines in Prehospital pain management for paramedics</i> School of Public Health, Joanna Briggs Institute
66	<b>Ellie Treloar</b> <i>Ward Round Woes: Errors, misunderstandings, inaccuracies, and potential improvements in the Surgical Ward Round</i> Adelaide Medical School, Basil Hetzel Institute

## Poster Presentation Session 2

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### Ageing, Frailty and Mobility

Poster Number	Presentation Details
67	<b>Melkamu Bedimo Beyene</b> <i>Development of Intrinsic capacity index score in the UK biobank study</i> Adelaide Medical School
68	<b>Kimberly Charlton</b> <i>Manual wheelchair training approaches for adults and older adults commencing wheelchair use: a scoping review</i> School of Allied Health Science and Practice
69	<b>Nicholas Smith</b> <i>Deregulation of DNA hydroxymethylases Tet1 and Tet2 compromises skeletal integrity during ageing.</i> School of Biomedicine, SAHMRI
70	<b>James Smyth</b> <i>Perspectives of emergency physicians on frailty: a qualitative study.</i> Adelaide Medical School, Basil Hetzel Institute
71	<b>Alison Walsh</b> <i>Difficult conversations with patients and families towards the end of life: The 3rd year nursing student experience</i> Adelaide Nursing School

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### Cancer Biology and Clinical Oncology

Poster Number	Presentation Details
72	<b>Maxim Buckley</b> <i>Playing molecular catch – Extracellular vesicle mediated receptor expression and methods microscopic analysis in T-ALL</i> Adelaide Medical School, SAHMRI
73	<b>Katrina Cao</b> <i>Cannabis as an adjunctive supportive care strategy for people undergoing anti-cancer therapy: a systematic review</i> School of Public Health, SAHMRI

74	<b>Emma Cheney</b> <i>Expression of Crbn1391V confers in vivo lenalidomide sensitivity in the C57BL/KaLwRij murine model of multiple myeloma</i> School of Biomedicine, SAHMRI
75	<b>Hiroki Fujimoto</b> <i>Tumor-associated fibrosis promotes a tumor-favorable microenvironment for ovarian cancer progression and metastasis</i> Adelaide Medical School
76	<b>Olivia Haller</b> <i>Investigation of NLRP3 inflammasome activation in a rat model of 5-fluorouracil and methotrexate chemotherapy induced cognitive impairment</i> School of Biomedicine
77	<b>Hanieh Heydarlou</b> <i>The Role of Toll-Like Receptors in Mammographic Density and Breast Cancer Risk</i> Adelaide Medical School, Basil Hetzel Institute
78	<b>Joshua Hodgson</b> <i>Targeting fatty acid metabolism to overcome ribociclib resistance in prostate cancer</i> Adelaide Medical School, SAHMRI
79	<b>Sidra Khan</b> <i>Fuling inhibits endometrial cancer invasion in vitro.</i> School of Biomedicine
80	<b>Malvika Kharbanda</b> <i>Single Cell Scoring of Molecular Phenotypes</i> SAiGENCI, The Walter and Eliza Hall Institute of Medical Research (WEHI)
81	<b>Sima Kianpour Rad</b> <i>Bacopaside II: Overcoming ABCC3-Mediated Chemotherapy Resistance and Enhancing Doxorubicin Accumulation in Triple Negative Breast Cancer</i> Adelaide Medical School, Basil Hetzel Institute
82	<b>Julia Leeflang</b> <i>Harnessing Tumour Specific Evolution of Probiotic Bacteria to Engineer Next-Generation Bowel Cancer Treatments</i> Adelaide Medical School, SAHMRI
83	<b>Runhao Li</b> <i>Validation of circulating SFRP5 in the stages of CRC tumour growth and progression</i> Adelaide Medical School, Basil Hetzel Institute

84	<b>Caleb Lill</b> <i>Development and validation of an inducible CKLF1 knockdown system to investigate B-ALL relapse</i> School of Biomedicine, SAHMRI
85	<b>Lee Mai</b> <i>Targeting microbiome in head and neck cancer</i> Adelaide Medical School, Basil Hetzel Institute
86	<b>An Nguyen</b> <i>Peroxisomal fatty acid oxidation promotes resistance to androgen receptor inhibition in prostate cancer</i> SAiGENCI, SAHMRI
87	<b>Ryan Norton</b> <i>Modulation of NEDD4 Ubiquitin Ligases by Proline-rich γ-carboxyglutamic acid 1 (PRRG1)</i> Adelaide Medical School, UniSA Centre for Cancer Biology
88	<b>Alex Pace</b> <i>Androgen Receptor Agonist Based Combination Therapy to Suppress Estrogen Receptor Positive Breast Cancer Growth</i> Adelaide Medical School, Dame Roma Mitchel Cancer Research Laboratories
89	<b>Hayley Parkinson</b> <i>A functional genomic screen to identify novel genes involved in multiple myeloma tumour development</i> School of Biomedicine, SAHMRI
90	<b>Jacqui Scott</b> <i>The myeloma drug, bortezomib, induces changes in the gastrointestinal microenvironment known to drive gut dysfunction and pain</i> School of Biomedicine, SAHMRI
91	<b>Suzanna Shirazi</b> <i>Epigenetic regulation of skeletal stem cells during high fat/glucose mediated inhibition of bone formation</i> School of Biomedicine
92	<b>Tharindie Silva</b> <i>Precision medicine for stomach cancer using patient-derived organoids</i> Adelaide Medical School, SAHMRI
93	<b>Ashlee Thomson</b> <i>The IGH has it! – Optimising reporting rates of high-risk IGH gene fusion events in B-cell Acute Lymphoblastic Leukaemia patients</i> School of Biomedicine, SAHMRI

94	<b>Molly Tolland</b> <i>Investigating lipid droplet metabolism and treatment resistance in chronic myeloid leukaemia cell lines</i> Adelaide Medical School, SAHMRI
95	<b>Laura Trainor</b> <i>Profiling of patient bone marrow adipocytes in the myeloma microenvironment</i> Adelaide Medical School, SAHMRI
96	<b>Jacob Truong</b> <i>Spatial Multi-omics Analysis on Clinical Prostate Cancer Tissues Using MALDI Mass Spectrometry Imaging and Laser Capture Microdissection</i> Adelaide Medical School, SAHMRI
97	<b>Maliha Wajahat</b> <i>ZBTB16 is a critical mediator of androgen receptor induced tumour suppression of ER+ breast cancers</i> Adelaide Medical School
98	<b>Connor Williams</b> <i>Myeloperoxidase creates a permissive microenvironmental niche for the progression of multiple myeloma</i> School of Biomedicine, SAHMRI
99	<b>Fangmei Wu</b> <i>Exploring the potential of perhexiline, an anti-anginal drug, for the treatment of head and neck squamous cell carcinoma</i> Adelaide Medical School, Basil Hetzel Institute

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## Child and Adolescent Health

Poster Number	Presentation Details
100	<b>Amelia Noone</b> <i>Liver and Vascular Health in Children with Sleep Disordered Breathing</i> Adelaide Medical School, Robinson's Research Institute
101	<b>Zahra Ali Padhani</b> <i>Preconception Interventions and Riskfactors Among Adolescents And Young Adults to Prevent Maternal and Child Health Outcomes</i> Adelaide Medical School, Robinson's Research Institute
102	<b>Trish Serocki</b> <i>Chronic abdominal pain in Australian adolescents and nature-based intervention</i> School of Allied Health Science and Practice

103	<b>Meredith Smith</b> <i>Assessment tools for measuring chronic pain interference in children and adults who are unable to self-report: A systematic review of psychometric properties</i> School of Allied Health Science and Practice
104	<b>Jasmine Turner</b> <i>Evaluating the Efficacy of the 'Growing with Gratitude' Program in South Australian Primary Schools</i> School of Psychology

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## Early Origins of Health

Poster Number	Presentation Details
105	<b>Urwah Nawaz</b> <i>Investigating the impact of UPF3A and UPF3B on non-sense mediated decay in mouse L-cells</i> Adelaide Medical School, Robinson's Research Institute
106	<b>Stephanie O'Hara</b> <i>Characterising the impact of high-fat, high-sugar feeding in mice from before pregnancy until weaning to understand offspring type 2 diabetes risk</i> Adelaide Medical School, Robinson's Research Institute

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## Fertility and Conception

Poster Number	Presentation Details
107	<b>Darren Chow</b> <i>Digital holograms of embryos: Non-invasive optical-based assessment of developmental potential</i> School of Biomedicine, Robinson's Research Institute
108	<b>Kimberly Lush</b> <i>How Do Preconception Women Source Information? A Qualitative Investigation.</i> Adelaide Medical School, Robinson's Research Institute
109	<b>Feng Tang</b> <i>Unique features of KGN granulosa cells in the regulation of steroidogenic and antioxidant genes</i> School of Biomedicine, Robinson's Research Institute

110	<b>Annie Whitty</b> <i>Use of GM-CSF to improve the fertility of frozen cattle sperm</i> School of Biomedicine, Robinson's Research Institute
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## Immunology and Infection

Poster Number	Presentation Details
111	<b>Sarah Battersby</b> <i>Investigating the Treg disturbances seen post COVID-19 and linking them to long-COVID</i> School of Biomedicine, Robinson's Research Institute
112	<b>Kate Shepherdson</b> <i>Unravelling the role of JAZF1 in Human Treg</i> School of Biomedicine, Robinson's Research Institute
113	<b>Luke Wooley</b> <i>Bioactivity of Cannabidiol derivatives as antimicrobial agents: Potential applications towards prevention and treatment of antibiotic-resistant infection</i> School of Biomedicine, Basil Hetzel Institute
114	<b>Anja Zelmer</b> <i>Bugs and bones: How S. aureus adapts to living in the bone and how this effects antibiotic treatment effectivity</i> Adelaide Medical School

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## Indigenous Health and Health Equity

Poster Number	Presentation Details
115	<b>Negin Mirzaei Damabi</b> <i>Sexual function in women from migrant and refugee backgrounds</i> Adelaide Medical School, Robinson's Research Institute



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## Innovative Therapeutics

Poster Number	Presentation Details
116	<b>Alanah Bradey</b> <i>Testing the glucoregulatory properties of novel GLP-1 analogues for glycaemic management in type 2 diabetes mellitus</i> School of Biomedicine, SAHMRI
117	<b>Jesse Kennedy</b> <i>Taking Aim at Targeted "Whole-Gene" Insertion: A CRISPR-Prime Editing and Bxb1 Integrase Duet</i> School of Biomedicine, SAHMRI
118	<b>Lachlan Staker</b> <i>Prime Editing for the Generation of Genetic Disease Cell Models and Precision Therapeutics</i> School of Biomedicine, SAHMRI

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## Musculoskeletal Health

Poster Number	Presentation Details
119	<b>Bailey Deverell</b> <i>Irinotecan's Effect on Trabecular Long Bone in a Rat Model of Breast Cancer</i> School of Biomedicine
120	<b>Cameron Dickson</b> <i>Patient-related barriers and enablers to the implementation of high-value physiotherapy for chronic pain: a systematic review and meta-analyses.</i> School of Allied Health Science and Practice
121	<b>Micaela Quinn</b> <i>Skeletal effects of Neratinib treatment and Blautia supplementation in trabecular bone of Albino Wistar rats</i> School of Biomedicine

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## Oral Health

Poster Number	Presentation Details
122	<b>Deena Al Saady</b> <i>Erosion-inhibiting potential of a new stannous fluoride-enriched CPP-ACP complex</i> Adelaide Dental School
123	<b>Yanping He</b> <i>Using "Intelligent Nanoparticles" As a Novel Treatment For Tooth Decay</i> Adelaide Dental School
124	<b>Sonia Nath</b> <i>Transplanting Smiles: Super Donor Assessment tool</i> Adelaide Dental School

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## Pregnancy and Birth

Poster Number	Presentation Details
125	<b>Anna Fragkoudi</b> <i>How Are Neurologists and MS Nurses Managing Patients With Multiple Sclerosis of Reproductive Age? A Qualitative Study.</i> Adelaide Medical School, Joanna Briggs Institute
126	<b>Farina Gul</b> <i>Integration of family planning services with maternal health services: A proposal</i> School of Public Health
127	<b>Kylie Lange</b> <i>Performance of mixed effects models for partially clustered trials</i> School of Public Health, SAHMRI
128	<b>Andrea Roff</b> <i>Training a Convolutional Neural Network to measure airway tissue remodelling in asthma</i> School of Biomedicine, Robinson's Research Institute
129	<b>Eliana Stanziano</b> <i>Genetic and biochemical characterization of the SIK3 mutation, R393H: A causal mutation that helps define a new family of monogenetic disorders</i> School of Biomedicine, SAHMRI

# The 17<sup>th</sup> Annual Florey Postgraduate Research Conference would like to thank the following sponsors:

## Major

- > The Florey Medical Research Foundation

## Prizes

- > Adelaide Dental School
- > Adelaide Medical School
- > Adelaide Nursing School
- > CMAX
- > Executive Dean, Faculty of Health and Medical Sciences
- > Innovations and Commercialisation Services
- > JBI
- > Northern Communities Health Foundation
- > People's Choice
- > Peter Couche Foundation
- > Robinson Research Institute
- > SAIGENCI
- > School of Biomedicine
- > School of Allied Health Science and Practice
- > School of Public Health
- > School of Psychology



**Peter Couche**  
Foundation



#### **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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