

2023 Researcher Showcase Program Overview

	Time	Program
Registration	8:15 – 8:45	
Welcome/ Opening	8:45 – 9:00	Chairs: Dr Sarah Valkenborghs and Dr Heather Murray
Session 1	9:00 – 10:30	Chair: Dr Evan Williams 4x10 min oral presentations; 7x3 min rapid fire presentations
Poster Session 1/ Morning Tea	10:30 – 11:30	
Session 2	11:30 – 13:00	Chair: Dr Luiza Steffens-Reinhardt 3x10 min oral presentations; 9x3 min rapid fire presentations
Lunch	13:00 – 13:30	
Session 3	13:30-1500	Chair: Dr Laura Greco 3x10 min oral presentations; 7x3 min rapid fire presentations
Poster Session 2/ Afternoon Tea	15:00 – 16:00	
Session 4	16:00-17:30	Chair: Dr Huw McCarthy 3x 10min oral presentations; 8 x 3 min rapid fire presentation
Award presentation and closing	17:30 – 17:45	
Networking	17:45-Onwards	

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Registration	8:15 – 8:45	
Welcome/ Opening	8:45 – 9:00	Chairs: Dr Sarah Valkenborghs and Dr Heather Murray
Session 1 (4x10 min oral presentation; 7x3 min rapid fire presentations)	9:00 – 10:30	<p>Chair: Dr Evan Williams</p> <p>Oral</p> <ol style="list-style-type: none"> Grace Austin <i>Cardiovascular disease risk in Australians following plant-based dietary patterns compared to regular meat eaters</i> Marina Paul <i>Clopidogrel Administration Impairs Post-Stroke Learning and Memory Recovery in Mice</i> Xiao Hong Zhao <i>Disruption of nucleotide homeostasis confers cancer cell susceptibility to oxidative phosphorylation inhibition independently of energy depletion</i> Lachlan Schofield <i>The soluble (pro)renin receptor produces endothelial dysfunction in-vitro, increases arterial pressure in-vivo, underpinning a preeclamptic phenotype</i> <p>Rapid fire</p> <ol style="list-style-type: none"> Olivia Carroll <i>Female sex hormones affect asthma severity by altering cellular metabolism in the airways</i> Yuanchen Liang <i>Optimising post-stroke pharmacotherapy and treatment in stroke survivors</i> Izac Findlay <i>Exploring the Phospho-Proteo-Genomics Landscape of Paediatric High-Grade Gliomas: A Preliminary Analysis</i> Anne Ibbotson <i>Development of non-invasive biomarkers of stress, reproduction and immune activation in the endangered green and golden bell frog and Littlejohn's tree frog and their integration into conservation decisions</i> Aidan Price <i>Functional dissection of a novel pathway linking stress and action control systems: Hypothalamic corticotrophin releasing hormone (CRH) neuron projection to the globus pallidus externa (GPe)</i> Roisin Maloney <i>Zuranolone as a Neuroprotective Therapy Following Preterm Birth and its Effects on the Dopamine Pathway</i> Huw McCarthy <i>HIF-1α stabilisation reduces tumourigenesis but not tumour progression in a murine colorectal cancer model</i>

Poster Session 1/ Morning Tea	10:30 – 11:30	
Session 2 (3x10 min oral presentations; 9x3 min rapid fire presentations)	11:30 – 13:00	<p>Chair: Dr Luiza Steffens-Reinhardt</p> <p>Oral</p> <ol style="list-style-type: none"> 1. Thomas Adams <i>Targeted antioxidant nanomedicines: a novel therapy for virus-induced airways disease</i> 2. Alexandra Peters <i>A scoping review of oocyte health impacts resulting from exposure to BPA and BPA alternatives</i> 3. Grace Burns <i>Interactions of the novel duodenal isolate, Streptococcus salivarius AGIRA0003, and the duodenal barrier in functional dyspepsia patients</i> <p>Rapid fire</p> <ol style="list-style-type: none"> 1. Heather Murray <i>Phospho-proteogenomic profiling of acute myeloid leukaemia</i> 2. Renee Bevege <i>How protein-cholesterol interactions in the aging CNS may influence Alzheimer's Disease</i> 3. Carlton Pavy <i>Impact of Oxygen Glucose Deprivation and GABAergic Modulators on Primary Guinea Pig Cerebellar Neuron Culture</i> 4. Rhiannon Stent <i>Exploring links between the Dietary Inflammatory Index, aerobic exercise, and inflammation in adults with asthma</i> 5. Dylan Kiltchewskij <i>Molecular Stratification of Psychiatric Conditions Utilising Personalised Epigenetic Information</i> 6. Nathan Bryant <i>Inhibition of rhinovirus infection by small interfering RNA-mediated RNA interference</i> 7. Evangeline Jackson <i>Combining ONC201 and paxalisib for the treatment of diffuse midline glioma (DMG): Preclinical insights driving the international Phase II clinical trial (NCT05009992)</i> 8. Tess Symington <i>Expression of the Renin-Angiotensin System in Early Gestation Decidua</i> 9. Christine Catley <i>Investigating the role of hypoxia in anastomotic leaks</i>
Lunch	13:00 – 13:30	
Session 3	13:30-1500	Chair: Dr Laura Greco

<p>(3x10 min oral presentations; 7x3 min rapid fire presentations)</p>		<p>A quick message from Dr Sarah Valkenborghs on behalf of the SBSP-ECRA</p> <p>Oral</p> <ol style="list-style-type: none"> William Reay <i>Genetic influences on serum vitamin A: implications for human health and precision nutrition</i> Katie Daly <i>Histone Deacetylase 6 (HDAC6) promotes protective antiviral responses during influenza A infection</i> Mika Persson <i>Systemic DRD2 antagonism using ONC201 induces immunomodulatory effects in diffuse midline glioma</i> <p>Rapid fire</p> <ol style="list-style-type: none"> Hayley Croft <i>Improving the effectiveness of workplace-based assessment for Australian pharmacy interns: An evaluation study</i> Rafael Crovador <i>Organic Semiconducting Nanoparticles for Neural Interfacing: Integrating mechanical, chemical, and Optically triggered Bioelectronic Charge generation for Enhanced Neuron Outgrowth and Stimulation</i> Dongqing Chen <i>The clinically available PARP inhibitor Olaparib ameliorates Doxorubicin-induced Cardiotoxicity in both in vitro and In vivo model</i> Jennifer Pryor <i>Antibiotic modulation of the gut microbiota alters immune response to certain food antigens</i> Madeleine Walton-Smith <i>Novel Protein Phosphatase 2A Activating Drugs for Anti-Cancer Therapy</i> Liam Duncan <i>Identifying mechanisms of inflexible behaviour relevant to obsessive compulsive disorder using preclinical models</i> Yuchen Feng <i>The long noncoding RNA MILIP complexes with transfer RNAs to promote mRNA translation in triple-negative breast cancer</i> <p>A quick message from Dr Dan Johnstone – SBSP Research Project Manager</p>
<p>Posters Session 2/ Afternoon Tea</p>	<p>15:00 – 16:00</p>	
<p>Session 4 (3x 10min oral presentations;</p>	<p>16:00- 17:30</p>	<p>Chair: Dr Huw McCarthy</p> <p>Oral</p> <ol style="list-style-type: none"> Sarah Valkenborghs <i>Effect of high-intensity interval training on hippocampal volume in older adolescents</i>

<p>8 x 3 min rapid fire presentation)</p>		<p>2. India Brooker <i>The Expression of the Placental Renin-Angiotensin System in an Acute Hypoxia/Reoxygenation Model of Fetal Growth Restriction</i></p> <p>3. Ryan Mati <i>Novel physiological model of human corneal epithelium for ophthalmic drug development</i></p> <p>Rapid fire</p> <p>1. Cosmos Onyiba <i>Quantitation of sirtuin proteins, messenger RNAs, and their regulatory non-coding RNAs in extracellular vesicles derived from breast and prostate cancer</i></p> <p>2. Laura Dowling <i>The influence of the gastrointestinal microbiome in Chronic Obstructive Pulmonary Disease (COPD): a systematic review</i></p> <p>3. Laura Stanton <i>Suppression of PVN^{CRH} neuron activity by palatable reward in chronically stressed mice</i></p> <p>4. Nicole Simm <i>The impact of hospital placement on diet-microbiome interactions in healthy medical students</i></p> <p>5. Rayne Norris <i>Identifying and understanding the roles of long non-coding RNAs in cancer initiation and development and their potential for treatment</i></p> <p>6. Kateleen Hedley <i>Sex-specific functional modifications to both respiratory and brainstem physiology in adulthood following neonatal respiratory infection</i></p> <p>7. Brooke Harvey <i>Investigating the clinical relevance of treatment-induced epigenetic heterogeneity in Acute Myeloid Leukaemia</i></p> <p>8. Magdalena Litman <i>Quantification of leptomeningeal collateral blood flow in hypertensive rats</i></p>
<p>Award presentation and closing</p>	<p>17:30 – 17:45</p>	
<p>Networking</p>	<p>17:45- Onwards</p>	