

# SCIENTIFIC PROGRAM

Current as of 8 August 2023, subject to change



#ASCEPT2023  
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## Monday 20 November 2023

08:30 – 18:00	<b>Registration desk open</b> Foyer		
09:00 – 11:00	<b>WORKSHOP 1: Careers in Industry and Beyond</b>	<b>WORKSHOP 2: Computational toxicology: Transforming toxicity testing in the 21st century</b>	<b>WORKSHOP 3: Using large language models in clinical pharmacology workflows</b>
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2
11:00 – 11:15	<b>Comfort break</b>		
11:15 – 13:15	<b>WORKSHOP 4: Advanced analytical approaches for drug discovery</b>	<b>WORKSHOP 5: Environmental Impacts of Toxicity: from clinical implications to economic impact</b>	<b>WORKSHOP 6: Challenges and opportunities in transforming clinical pharmacology: lessons from three continents</b>
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2
13:10-13:40	<b>SIG AGM 1</b>	<b>SIG AGM 2</b>	<b>SIG AGM 3</b>
13:40-14:10	<b>Lunch break (not included)</b>		
14:10-16:10	<b>WORKSHOP 7: Innovation and Industry in Pharmacology</b>	<b>WORKSHOP 8: Pharmacogenomics SIG: Updates on our understanding and implementation of pharmacogenomic knowledge</b>	<b>WORKSHOP 9: Generative AI and the future of pharmacology education</b>
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2
16:10-16:40	<b>SIG AGM 4</b>	<b>SIG AGM 5</b>	<b>SIG AGM 6</b>
17:00 – 18:00	<b>Conference opening and keynote address</b>		
	<b>Room:</b> Cockle Bay room 2		
	Prof Kevin Pflieger, ASCEPT President A/Prof Nicola J Smith, ASCEPT SAC Chair		
	<b>Chair:</b> Prof Kevin Pflieger, ASCEPT President		
	<b>Challenging Dogma: Time to Change Practice with Some New Tricks</b> <b>Speaker:</b> Dr Emily G. McDonald		
18:30 – 20:00	<b>Welcome reception</b>		
	Foyer		

07:30 – 18:00	Registration desk open Foyer			
08:30 – 09:30	British Pharmacological Society keynote address			
	Room: Cockle Bay Room 2			
	Chair: Prof Kevin Pflieger, ASCEPT President			
	GPCRomics: Oh, the Places You'll Go! Speaker: Dr Fiona Murray			
09:30 – 10:25	Morning tea with exhibitors (Foyer)			
	Poster presentations: Clinical Pharmacology, Drug Discovery, Respiratory and Inflammation, Innovation and Industry, Neuropharmacology, Toxicology			
10:30 – 12:30	<b>Symposium 1: New frontiers for the translation of drug discovery into the patient</b>	<b>Symposium 2: Transforming our perception of how the RAAS contributes to fibrosis</b>	<b>Symposium 3: Transformations in toxicology</b>	<b>Symposium 4: Pharmacogenomics in Oceania</b>
	Room: Cockle Bay room 2	Room: Meeting room C3.1	Room: Meeting room C3.2	Room: Cockle Bay room 1
	Chairs: Brendan Wilkins, UNSW Sydney and Dr Elizabeth Johnstone, Harry Perkins Institute of Medical Research, University of Western Australia	Chairs: Prof Owen Woodman, Monash University and Dr Simone De Luca RMIT University	Chair: Dr Slade Matthews, The University of Sydney and Dr Susan Britza, The University of Adelaide	Chair: Alison Shield, The University of Sydney and Sam Mostafa, Monash University
10:30 – 11:00	<b>Precision medicine to treat inflammatory diseases</b>  <i>Prof Darren Kelly, Certa Therapeutics</i>	<b>Lessons from the lung – current and novel approaches from treating fibrosis</b>  <i>Dr Jane Bourke, Monash University</i>	<b>Advances in toxicology inform health risk assessment - how ACTRA has contributed in Australia</b>  <i>Prof Brian Priestly, Monash University</i>	<b>Ancestry of the peoples of Oceania</b>  <i>Prof Lisa Matisso-Smith, The University of Otago</i>
11:00 – 11:30	<b>New therapeutics require new health economic modelling approaches</b>  <i>Prof Zanfina Ademi, Monash University</i>	<b>Inactivation of the local cardiac renin angiotensin system improves cardiac performance after myocardial infarction</b>  <i>Zunhan (Francis) Lu, University of Queensland</i>	<b>Toxicokinetic solutions for environmental problems</b>  <i>Antti Mikkonen, Environmental Protection Agency</i>	<b>Oncology Pharmacogenomics and Aboriginal Australians</b>  <i>Prof Andrew Somogyi, The University of Adelaide</i>
11:30 – 12:00	<b>Application of organoids to accelerate drug discovery</b>  <i>Prof Michael Kassiou, The University of Sydney</i>	<b>Targeting the AT2 receptor as an effective means of treating fibrosis</b>  <i>Dr Yan Wang, Monash University</i>	<b>Current State of NAMS in Pesticide Human Health Risk Assessment</b>  <i>Rhian Cope, Australian Pesticides and Veterinary Medicines Authority</i>	<b>An update on pharmacogenetics relevant for New Zealand Māori and Pacific peoples &amp; challenges for equitable access to “precision medicine”</b>  <i>Dr Nuala Helsby, The University of Auckland</i>
12:00 – 12:30	<b>The influence of sex on the mortality in STEMI (ST-elevation myocardial infarction) patients without standard modifiable risk factors</b>  <i>Prof Gemma Figtree, The University of Sydney</i>	<b>An update on how the RAAS can be targeted to treat liver fibrosis</b>  <i>Dr Chandana Herath, Austin Health</i>	<b>Strengths &amp; weaknesses of PBPK modelling in a regulatory context</b>  <i>Michael Roberts, The University of Queensland</i>	<b>Importance of data sovereignty and cultural awareness in pharmacogenomics</b>  <i>A/Prof Michelle Dickson, The University of Sydney</i>
12:30 – 13:25	Lunch with exhibitors (Foyer)			
	Poster presentations: Clinical Pharmacology, Drug Discovery, Respiratory and Inflammation, Innovation and Industry,			

	<b>Neuropharmacology, Toxicology</b>			
<b>13:30 – 15:00</b>	<b>Oral presentations 1:</b>	<b>Oral presentations 2:</b>	<b>Oral presentations 3:</b>	<b>Oral presentations 4:</b>
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2	<b>Room:</b> Cockle Bay room 1
<b>15:00 – 15:55</b>	<b>Afternoon tea with exhibitors (Foyer)</b>			
	<b>SIG AGM 7</b>	<b>SIG AGM 8</b>	<b>SIG AGM 9</b>	
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2	
<b>16:00 – 17:30</b>	<b>ASCEPT Garth McQueen Student Oral Prize</b>	<b>Oral presentations 5:</b>	<b>Oral presentations 6:</b>	<b>Oral presentations 7:</b>
	<b>Room:</b> Cockle Bay room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2	<b>Room:</b> Cockle Bay room 1
<b>17:30 – 18:30</b>	<b>British Toxicological Society keynote address</b>			
	<b>Room:</b> Cockle Bay room 2			
	<b>Chair:</b> Prof Kevin Pflieger, ASCEPT President			
<b>19:00 – 23:00</b>	<b>Student Dinner (registered attendees only)</b>			
	Fratelli Brothers			

## Wednesday 22 November 2023

08:00 – 17:00	Registration desk open Foyer			
08:30 – 09:00	Gillian Shenfield Early Educator Award			
	Room: Cockle Bay room 2			
09:00 – 09:30	Early Achievement Award for Women			
	Room: Cockle Bay room 2			
09:30 – 10:25	Morning tea with exhibitors (Foyer)			
	Poster presentations: Cardiovascular, Drug Disposition and Response, Pharmacogenomics, Pharmacoepidemiology, Urogenital and Gastrointestinal, Education			
10:30 – 12:30	Symposium 5: Preclinical and clinical aspects of psychedelics in complex mental health disorders	Symposium 6: Heart of innovation: exploring technologies for cardiovascular research	Symposium 7: Pharmacokinetic drug-drug interactions – from microsomes to patients	Symposium 8: Pharmacoepidemiology across the lifespan
	Room: Cockle Bay room 1	Room: Meeting room C3.1	Room: Meeting room C3.2	Room: Cockle Bay room 1
	Chairs: Prof Emeritus Daniel Hoyer, The University of Melbourne, and A/Prof Bridin Murnion, St Vincent's Hospital Sydney and UNSW Sydney	Chairs: Dr Anida Velagic and Dr Miles de Blasio, Monash Institute of Pharmaceutical Sciences	Chairs: Dr Sophie Stocker, The University of Sydney and Joshua Inglis, Flinders Medical Centre	Chairs: Dr Edwin Tan and Dr Mouna Sawan, The University of Sydney
10:30 – 11:00	The development of rapid-acting antidepressants inspired by psychedelic natural products  <i>Dr Sam Banister, Psylo Bio Sydney</i>	Advancing therapeutic development for cardiovascular disease with a preclinical human model of heart tissue  <i>Dr Shiang (Max) Lim, St Vincent's Institute of Medical Research</i>	DDIs arising from modulation of drug metabolising enzyme activities: Mechanisms and in vitro – in vivo extrapolation  <i>Prof John Miners, Flinders University</i>	Paediatric pharmacoepidemiology: starting to come of age  <i>A/Prof Madlen Gazarian, UNSW Sydney</i>
11:00 – 11:30	Psilocybin assisted therapy for end-of-life distress - results from Australia's first psychedelic assisted therapy study  <i>Dr Margaret Ross, St. Vincent's Hospital</i>	Amnion cell-based therapies in cardiovascular disease  <i>Prof Chris Sobey, La Trobe University</i>	Application of PBPK modelling for the prediction of pharmacokinetic DDIs and clinical pharmacokinetic DDI study design  <i>Dr Thomas Polasek, Certara</i>	Perinatal pharmacoepidemiology  <i>Dr Erin Kelty, The University of Western Australia</i>
11:30 – 12:00	Psychedelic assisted psychotherapies for alcohol and other drugs  <i>A/Prof Jonathan Brett, St. Vincent's Hospital Sydney and UNSW Sydney</i>	New viral technologies for manipulating cardiac cell function  <i>Dr Melissa Reichelt, The University of Queensland</i>	Pharmacoepidemiology approaches for evaluating pharmacokinetic DDIs in populations  <i>Dr Juiana de Oliveira Costa, UNSW Sydney</i>	Pharmacoepidemiology in adult populations: a focus on prescription opioids  <i>A/Prof Natasa Gisev, UNSW Sydney</i>
12:00 – 12:30	Jungle medicines: ayahuasca inspired psychedelic drugs for clinical mental health and addiction treatment  <i>Dr Daniel Perkins, The University of Melbourne and Psycae Institute</i>	The role of extracellular vesicles in cardiometabolic disease  <i>Nimna Perera, Monash Institute of Pharmaceutical Sciences</i>	Clinical decision support in prescribing systems to mitigate risks from pharmacokinetic DDIs  <i>A/Prof Matthew Doogue, Christchurch Hospital and The University of Otago, Christchurch</i>	Geriatric pharmacoepidemiology: opportunities and challenges  <i>Ilsa Wojt, The University of Sydney</i>
12:30 – 13:25	Lunch with exhibitors (Foyer)			
	Poster presentations: Cardiovascular, Drug Disposition and Response, Neuropharmacology, Pharmacogenomics,			

	Toxicology, Urogenital and Gastrointestinal
13:30 – 15:30	ASCEPT New Investigator Award
	Room: Cockle Bay room 2
15:30 – 15:55	Afternoon tea with exhibitors (Foyer)
	Environmental Sustainability Workshop
	Room: Cockle Bay room 2
16:00 – 17:00	Rand Medal
	Room: Cockle Bay room 2
	Chair: Prof Kevin Pflieger, ASCEPT President
	From Serotonin to Neuropeptides and back: Translational Research in Pharma and Academia
	Speaker: Prof Emeritus Daniel Hoyer
17:00 – 18:00	ASCEPT AGM
	Room: Cockle Bay room 2
19:00 – 23:00	Meeting dinner
	Dockside Darling Harbour

# Thursday 23 November 2023

08:00 – 15:45	Registration desk open Foyer			
09:00 – 10:00	<b>JPS keynote address</b>			
	Room: Cockle Bay room 2			
	Chair: Prof Kevin Pflieger, ASCEPT President			
	Neuroimmune mechanisms of stress: Insights from a mouse model <i>Speaker: Prof Tomoyuki Furuyashiki</i>			
10:00 – 10:25	<b>Morning tea with exhibitors (Foyer)</b>			
	SIG AGM 10		R&I SIG AGM	
	Room: Cockle Bay room 2		Room: Meeting room C3.1	
10:30 – 12:30	<b>Symposium 9: Defying time: Understanding and Preventing Age- Related Diseases</b>	<b>Symposium 10: Unravelling Organ Crosstalk in Cardiorespiratory and Neurological Diseases</b>	<b>Symposium 11: Educating prescribers of the future</b>	<b>Symposium 12: The impact of clinical pharmacology across drug development</b>
	Room: Cockle Bay room 1	Room: Meeting room C3.1	Room: Meeting room C3.2	Room: Cockle Bay room 1
	Chair: Melissa Reichelt, The University of Queensland and Christopher Sobey, La Trobe University	Chairs: Dr Chantal Donovan, The University of Technology Sydney and Prof Ross Vlahos, RMIT University	Chairs: Barb Kemp-Harper, Monash University and Darren Roberts, Royal Prince Alfred Hospital	Chairs: Frances Stringer, GSK and Adj/Prof Craig Rayner, Regional Centre for Respiratory Medicine and Tropical Disease
10:30 – 11:00	<b>Attenuation of the PI 3-kinase signalling pathway leads to increases in lifespan and health span</b>  <i>Peter Shepard, University of Auckland</i>	<b>Novel pharmacological interventions to treat hypertension</b>  <i>Prof Grant Drummond, La Trobe University</i>	<b>Performance of Prescribing Skills Assessment ANZ in final year medical students – student experience and skills performance</b>  <i>Prof Sarah Hilmer, The University of Sydney</i>	<b>Quantitative clinical pharmacology to extrapolate beyond the data and accelerate clinical development</b>  <i>Chiara Zecchin, GSK</i>
11:00 – 11:30	<b>Ovarian metabolism as a target to support women's health with age</b>  <i>Dr Lindsay Wu, UNSW Sydney</i>	<b>Air Pollution-induced respiratory complications: what about the heart?</b>  <i>Prof Doan Ngo, The University of Newcastle</i>	<b>Preparation for prescribing and Prescribing Skills Assessment in NZ - pre-intern level prescribing, requirements for basic physician training, and beyond</b>  <i>Paul Chin, The University of Otago</i>	<b>Ethnopharmacology past, present and future perspectives</b>  <i>Romina Nand, GSK</i>
11:30 – 12:00	<b>Cardiac adiposity in aging; a potential target for treatment of cardiac arrhythmias?</b>  <i>Dr James Bell, La Trobe University</i>	<b>Novel mRNA nanoparticles to treat lung cancer</b>  <i>Prof Steven Bozinovski, RMIT University</i>	<b>Preparation for prescribing and Prescribing Skills Assessment at USYD - programmatic approach to skill development, creating simulations for workplace assessments of prescribing, and student feedback about preparation needs</b>  <i>A/Prof Kellie Charles, The University of Sydney</i>	<b>Impact of clinical pharmacology in paediatric study design</b>  <i>Shaun Kumar, Parexel</i>
12:00 – 12:30	<b>Hypertension and ageing – a challenging pharmacological landscape</b>  <i>A/Prof Tracey Gaspari, Monash University</i>	<b>In utero exposure impacts on neurological disease</b>  <i>Prof Hui Chen, The University of Technology Sydney</i>	<b>The National Prescribing Curriculum post National Prescribing Service - Where to next?</b>  <i>A/Prof Bridin Murnion, St Vincent's Hospital Sydney</i>	<b>Developing next-generation antimicrobial therapy against multidrug-resistant gram-negative pathogens using computational modelling</b>  <i>Yu-Wei Wayne Lin, Certara</i>

<b>12:30 – 13:25</b>	<b>Lunch with exhibitors and ASCEPT student poster finalists presentation (Foyer)</b>			
	<b>EDI workshop</b>			
	<b>Room:</b> Cockle Bay room 2			
<b>13:30 – 15:00</b>	<b>Oral presentations 8:</b>	<b>Oral presentations 9:</b>	<b>Oral presentations 10:</b>	<b>Oral presentations 11:</b>
	<b>Room:</b> Cockle Bay Room 2	<b>Room:</b> Meeting room C3.1	<b>Room:</b> Meeting room C3.2	<b>Room:</b> Cockle Bay room 1
<b>15:00 – 15:15</b>	<b>Afternoon tea break (Foyer)</b>			
<b>15:20 – 15:50</b>	<b>Awards and meeting close</b>			
	<b>Room:</b> Cockle Bay room 2			
	<b>Chair:</b> A/Prof Bridin Murnion, ASCEPT President Elect			