



Preliminary Scientific Program

as at 25 July 2022, subject to change

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Preliminary Scientific Program

as at 27 July 2022, subject to change

Monday 28 November 2022

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| 09:00 – 17:00 | Satellite workshop in collaboration with the ARC Centre for Personalised Therapeutics Technologies Innovation and Industry SIG meeting (inc AGM) Venue: McCusker Auditorium, Harry Perkins Institute of Medical Research, QEII Medical Centre |
| 17:00 – 20:00 | WA Life Sciences Innovation Hub End-of-Year Function Venue: Foyer, Harry Perkins Institute of Medical Research, QEII Medical Centre |
| 18:00 – 19:30 | ASCEPT Board meeting Venue: Ground Floor Seminar Room G24, Harry Perkins Institute of Medical Research, QEII Medical Centre |

Tuesday 29 November 2022

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| 08:00 – 15:00 | Satellite workshop Australian Deprescribing Network #ADen2022 Hybrid Meeting: <i>dRx - past, present and future</i> Venue: Bruce Hunt Lecture Theatre, Royal Perth Hospital Please register your attendance at https://www.eventbrite.com.au/e/aden2022-tickets-360323626667 |
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| 09:30 – 18:00 | Registration desk open | | | |
| PRE-CONFERENCE WORKSHOPS Venue: Crown Perth | | | | |
| 09:30 – 12:30 | APSA and ASCEPT Joint Education Forum | 09:30 – 11:30 | Toxicology SIG workshop | Pharmacogenomics SIG workshop (inc AGM) |
| 13:30 – 16:30 | Clinical Pharmacology SIG workshop (inc AGM) | 12:00 – 14:00 | APSA and ASCEPT Joint Careers workshop | Drug Disposition & Response SIG workshop (inc AGM) |
| | | 14:30 – 16:30 | Pharmaceutical Society of Australia (PSA) workshop | Drug Discovery SIG workshop (AGM 16.30-17.00) |
| 16:30 – 17:00 | Comfort break | | | |
| 17:00 – 18:00 | Conference opening Prof Kevin Pflieger, ASCEPT President Assoc Prof Joseph Nicolazzo, APSA President Opening keynote address Prof Sallie Pearson, Faculty of Medicine and Health, UNSW Sydney | | | |
| 18:00 – 19:30 | Welcome reception Venue: Crown Perth | | | |

Wednesday 30 November 2022

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| 07:30 – 18:00 | Registration desk open | | | |
| 08:00 – 08:50 | British Pharmacological Society keynote speaker Steve Rees OBE, Vice President Discovery Biology, AstraZeneca, UK | | | |
| CONCURRENT SESSION 1 | | | | |
| 09:00 – 10:30 | Oral presentations 1 | Oral presentations 2 | Oral presentations 3 | Oral presentations 4 |
| 10:30 – 11:10 | Morning tea with exhibitors and poster presentations | | | |
| CONCURRENT SESSION 2 | | | | |
| 11:15 – 13:15 | Symposium 1: Pathways exploiting NO mechanisms for targeting cardiovascular disease | Symposium 2: The multi-faceted approaches needed to address opioid related harms | Symposium 3: Pharmacology and toxicology of the gut, hepatobiliary and urogenital system: Challenges and therapeutic opportunities | Symposium 4: Partnerships, innovation and impact: Scaffolded learning approaches to research skill development |
| Chairs: | Prof Rebecca Ritchie, Monash University and Prof Chris Sobey, LaTrobe University | Assoc Prof Bridin Murnion, St Vincent's Hospital and Dr Jessamine Soderstrom, The University of Western Australia | Dr Scott Smid and Dr Ian Musgrave, The University of Adelaide | Assoc Prof Kirstie Galbraith and Steven Walker, Faculty of Pharmacy and Pharmaceutical Sciences |
| 11:15 – 11:45 | Cardioprotective benefits of noncanonical approaches for Nitric Oxide (NO) generation in cardiac pathologies - preclinical and clinical evidence Prof Amrita Ahluwalia, Queen Mary University of London | Toxicovigilance to identify opioid harms and guide prevention Dr Rose Cairns, The University of Sydney | Acrolein toxicity: Potential therapeutic scavenging options relevant to alcoholic liver disease and beyond Assoc Prof Phil Burcham, The University of Western Australia | An inquiring mind: Embedding a research culture in an undergraduate program Steven Walker, Monash University |
| 11:45 – 12:15 | How do we currently exploit NO mechanisms in the clinic and where are the gaps? – a focus on Takotsubo syndrome Prof John Horowitz, The University of Adelaide | Improving opioid use for surgical patients Dr Jonathan Penm, The University of Sydney | Purinergic P2X7 receptor antagonism inhibits acrolein induced bladder damage: A potential antidote for cyclophosphamide toxicity Assoc Prof Liu Lu, UNSW Sydney | Implementation of an innovative flipped-model to enhance research training Assoc Prof Kathryn Morbitzer, Center for Innovative Pharmacy Education and Research (CIPHER), USA |
| 12:15 – 12:45 | Exploiting NO mechanisms to protect the heart in diabetes and heart failure – the path favouring HNO Anida Velagic, Monash University | Implementation of take-home Naloxone/EDNA Dr Joanna Moullin, Curtin University | Does the truth lie within the gut? The role of the microbiome and probiotics in Parkinson's disease Dr Jade Kenna, The University of Notre Dame and The University of Western Australia | Impact of Australia's first Pharmacy Student Research Journal using near-peer student review Verity Boustead, Joanne Wickens, Forrest Tang, National Australian Pharmacy Students' Association (NAPSA) |
| 12:45 – 13:15 | NO mechanisms to protect the vasculature in stroke Dr Daniel Beard, University of Newcastle | The development of evidence-based opioid deprescribing guidelines Aili Langford, The University of Sydney | Getting to the guts of polyherbacy: The role of herbal interactions and cytotoxic development in at-risk organ models Dr Susan Britza, The University of Adelaide | Leveraging partnerships to drive innovation in research skills teaching and learning Dr Bianca Levkovich, Sandwell and West Birmingham NHS Trust, UK |
| 13:15 – 14:10 | Lunch with exhibitors and poster presentations | | | |
| CONCURRENT SESSION 3 | | | | |
| 14:15 – 15:45 | Oral presentations 5 | Oral presentations 6 | Oral presentations 7 | Oral presentations 8 |
| 15:45 – 16:10 | Afternoon tea with exhibitors | | | |
| CONCURRENT SESSION 4 | | | | |
| 16:15 – 18:15 | Certara New Investigator Award | | APSA AGM | |
| 19:00 | Student dinner | | APSA-ASCEPT Presidents' Reception | |

Thursday 1 December 2022

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| 07:30 – 17:00 | Registration desk open | | | |
| 08:00 – 08:50 | Keynote presentation 3 | | | |
| CONCURRENT SESSION 5 | | | | |
| 09:00 – 10:30 | Oral presentations 9 | Oral presentations 10 | Oral presentations 11 | Oral presentations 12 |
| 10:30 – 11:10 | Morning tea with exhibitors and poster presentations | | | |
| CONCURRENT SESSION 6 | | | | |
| 11:15 – 13:15 | Symposium 5: Novel pharmacotherapies for chronic inflammatory diseases | Symposium 6: Translational pharmacology research to inform deprescribing for older people | Symposium 7: Drug Hypersensitivity reactions and the HLA system | Symposium 8: Advances in reproductive health research to address global challenges |
| Chairs: | Prof Ross Vlahos, RMIT University and Dr Chantal Donovan, University of Technology Sydney | Prof Sarah Hilmer, Kolling Institute, Royal North Shore Hospital; The University of Sydney and Assoc Prof Danijela Gnjidic, The University of Sydney | Assoc Prof Amanda Gwee, Royal Children's Hospital and Dr Rhonda Maguire, Royal Children's Hospital | Dr Sab Ventura and Dr Pete Lambert, Monash Institute of Pharmaceutical Sciences |
| 11:15 – 11:45 | Phosphodiesterase inhibitors in the treatment of asthma and COPD Prof Clive Page, King's College London, UK | Bench side research to understand and optimise outcomes from deprescribing in older people Dr John Mach, The University of Sydney | Clinical presentation and pathological basis of hypersensitivity reactions and drugs commonly associated Dr Sam Salman, University of Western Australia | Medicines for pregnant women Dr Annie McDougall, Burnet Institute |
| 11:45 – 12:15 | Influenza A virus infection: Impacts beyond the lung Prof Stavros Selemidis, RMIT University | Pharmaco-epidemiologic research methods and findings to inform deprescribing practice Dr Andrew Zullo, Brown University, USA | Mechanisms of drug hypersensitivity and HLA Dr Andrew Gibson, Murdoch University | Inhaled oxytocin for post partum haemorrhage Prof Michelle McIntosh, Monash Institute of Pharmaceutical Sciences |
| 12:15 – 12:45 | Precision medicines for GABA-A receptor variants in epilepsy Prof Mary Collins, The University of Sydney | Deprescribing trials: Challenges and pitfalls Professor Petra Thuermann, University Witten/Herdecke, Germany | Current and new technological advances to study HLA and Drug interactions Dr Belinda Kaskow, University of Western Australia | Spermatogenic targets for male contraception Dr Brendan Houston, The University of Melbourne |
| 12:45 – 13:15 | Innovative approaches to resolve inflammation in the heart and vasculature Dr Chengxue Helena Qin, Monash Institute of Pharmaceutical Sciences | Implementation research: Codesign with consumers and clinicians to develop research questions and interventions Dr Emily Reeve, Monash University | HLA Pharmacogenomics, Oceania and Guidelines for pre-emptive HLA testing Prof Andrew Somogyi, University of Adelaide | Solving the structure of the P2X1-purinoceptor for use in male contraception Dr Jesse Mobbs, Monash Institute of Pharmaceutical Sciences |
| 13:15 – 14:10 | Lunch with exhibitors and poster presentations | | | |
| CONCURRENT SESSION 7 | | | | |
| 14:15 – 15:45 | Oral presentations 13 | Oral presentations 14 | Oral presentations 15 | Oral presentations 16 |
| 15:45 – 16:10 | Afternoon tea with exhibitors | | | |
| CONCURRENT SESSION 8 | | | | |
| 16:15 – 17:15 | Keynote 4 ASCEPT Early Achievement Award for Women ASCEPT Gillian Shenfield Early Educator Award | | Keynote 5 APSA lecture | |
| 17:15 – 18:15 | ASCEPT AGM | | | |
| 19:00 – 23:30 | Conference dinner | | | |

Friday 2 December 2022

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| 08:30 – 13:00 | Registration desk open | | | |
| 09:00 – 09:50 | Keynote presentation 6 | | | |
| 09:50 – 10:35 | Morning tea with exhibitors Student poster finalist presentations | | | |
| CONCURRENT SESSION 9 | | | | |
| 10:40 – 12:40 | Symposium 9: Microphysiological Systems: current innovations and projected impact on Drug Discovery and Development | Symposium 10: Model informed precision dosing to battle AMR “from bedside to bench and back” | Symposium 11: Drug repurposing in the time of COVID-19 | Symposium 12: The core concepts of pharmacology - so much content, so little time |
| Chairs: | Prof Alastair Stewart, The University of Melbourne Assoc Prof Yi-Chin Toh, Queensland University of Technology | Prof Jan-Willem Alffenaar and Dr Sophie Stocker, The University of Sydney, Westmead Hospital | Taylor Kent, Murdoch University, Susan Britza, University of Adelaide | Assoc Prof Tina Hinton, University of Sydney Dr Suong Ngo, University of Adelaide |
| 10:40 – 11:10 | Human cardiac organoids as microphysiological systems Dr Simon Foster, QIMR Berghofer Medical Research Institute | Why do we need to change our practice in drug dosing in infectious diseases? Assoc Prof Sam Salman, The University of Western Australia | Lost in Translation? Insights from drug repurposing for COVID Prof Craig Rayner, Certara; Monash University | A perspective on pharmacy “knowledge” curricula - what do pharmacists need to know? Prof Timothy Chen, The University of Sydney |
| 11:10 – 11:40 | Modelling pain mechanisms using microphysiological systems Yingkei Wei, Monash University | How can preclinical studies be used for establishing drug concentration targets? Dr Fekade Sime, The University of Queensland | Using lab data to design clinical trials lessons from HCO, ivermectin and remdesivir Prof Jennifer Martin, University of Newcastle | Presentation title to be advised Emeritus Prof Patangi (Chari) Rangachari, McMaster University, Canada |
| 11:40 – 12:10 | Dynamic control of the soluble microenvironment in culture Dr Bryan Gao, The University of Melbourne | Developing pharmacokinetic models for clinical care; how can we make them useful? Assoc Prof Cornelia Landersdorfer, Monash University | The MRFF ovarian cancer drug repurposing project Prof Nikola Bowden, University of Newcastle and Hunter Medical Research Institute | Core Concepts of Pharmacology Education - an international collaboration for the benefit of all pharmacology students and educators Dr Clare Guilding, University of Newcastle, UK |
| 12:10 – 12:40 | Scalable models for disease modelling and drug testing: the next generation of human-on-chips Assoc Prof Yi-Chin Toh, Queensland University of Technology | Using model informed precision dosing in clinical practice what do we need to do to get there? Cindy Lau, St Vincent’s Hospital Sydney | Repurposing of medicines Nick Henderson, Therapeutic Goods Administration | Core Concepts, concept inventories and pedagogical content knowledge - a path to an evidence-based, concept-driven curriculum Prof Paul White, Monash University |
| 12:45 – 13:30 | Keynote presentation 7 | | | |
| 13:30 – 14:00 | Awards and conference close | | | |
| 14:00 | Lunch | | | |