

Scientific program

as at 7 October 2020
program is subject to change

Tuesday 24 November 2020

12.00 – 5.30 pm Australian Eastern Daylight Time (AEDT)

12.00 – 12.15 Conference opening

Dr Danijela Gnjidic, ASCEPT President
Assoc Prof Joseph Nicolazzo, APSA President

12.16 – 12.46 Opening keynote presentation

Molecular phenomic and systems medicine approaches to healthcare in a COVID-19 dominated world
Prof Jeremy Nicholson, Murdoch University, Perth

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supporting research and ethics


12.48 – 1.08 Concurrent session

Meet the speaker discussion group with Prof Jeremy Nicholson
(limited to 20 pre-registered participants)

To be confirmed

1.08 – 1.14 Mini break

1.15 – 2.15 Concurrent symposium sessions

Symposium 1: Communicating science in an age of uncertainty	Symposium 2: Peptide therapeutics Sponsored by  The Microplate Reader Company	Symposium 3: Novel approaches to solving the antibacterial resistance crisis: TB and Malaria
Chair: Dr Ian Musgrave, University of Adelaide	Chairs: Prof Ross Bathgate, Florey Institute of Neuroscience and Mental Health Dr Martina Kocan, The University of Melbourne	Chair: Assoc Prof Lisa Kaminskas, The University of Queensland
Frankenfood and factory farms: lessons from communicating science in agriculture Dr Heather Bray, University of Western Australia	The evolving importance of dynamics in class B GPCR function illuminated by cryo-EM Prof Patrick Sexton, Monash University	Rational design of 'resistance resistant' anti-tuberculosis drugs Assoc Prof David Ascher, Baker institute/Bio21
The foam and the fury - PFAS and possible risk of cancer Prof Nicholas Buckley, The University of Sydney	Discovery and development of novel amylin agonists for obesity and diabetes Prof Debbie Hay, University of Auckland, New Zealand	Therapeutic drug monitoring in tuberculosis Prof Jan-Willem C. Alffenaar, The University of Sydney
Communicating vaccine risk in the age of COVID-19, lessons from communicating toxicological fears to vaccine refusers Dr Ian Musgrave, University of Adelaide	Rethinking voltage-gated sodium channel inhibition Assoc Prof Christina Schroeder, National Cancer Institute, USA	Bromodomain protein inhibitors to treat malaria infection Dr Michael Duffy, Melbourne University
Communicating quality use of medicines during COVID-19 Assoc Prof Darren Roberts, University of New South Wales	Unique mechanisms of GPCR biased signalling by peptidomimetic agonists and antagonists of the relaxin receptor RXFP1 Prof Ross Bathgate, Florey Institute of Neuroscience and Mental Health	Panel discussion
Panel discussion	Panel discussion	

2.15 – 2.29 Coffee break

Tuesday 24 November 2020 program continued over page

Tuesday 24 November 2020 *continued*

2.30 – 3.50 Concurrent oral sessions			
Oral presentations 1: Education	Oral presentations 2: Oncology	Oral presentations 3: Toxicology & Medicines- related harm	Oral presentations 4: Drug Discovery
Interprofessional student-led Influenza Vaccination Clinic Prof Jane Hanrahan, The University of Sydney	Androgen regulated UDP-glucuronosyltransferases (UGT) 2B11 and 2B28 are prognostic indicators in luminal androgen receptor positive/molecular apocrine breast cancer Assoc Prof Robyn Meech, Flinders University	Exploring the TRAIL of doxorubicin-induced cardiotoxicity Ms Michelle Sims, University of Adelaide	Characterising G protein coupling of angiotensin II and bradykinin receptor heteromers using mini G proteins Dr Elizabeth Johnstone, Harry Perkins Institute of Medical Research
Learning on the run – Pharmacy educators' experiences with the Australian Pharmacy Residency Program Mr Chih Yuan (Jason) Wang, The University of Queensland	A preliminary study on the anti-melanoma effect of novel resveratrol nanoparticle formulations Dr Yan Jing Yee, Curtin University	The prevalence of medication-related hospital admissions in Australia: A systematic review and meta-analysis Miss Isabelle Gillooly, The University of Sydney	A new pertussis toxin-like protein complex as a tool for investigation of GPCR-Gαi and Gαz signalling Mr Alastair Keen, Monash University
How do consumers interact with pharmacy students in educational settings? A systematic review. Mr William Nguyen, The University of Sydney	Triple negative breast cancer: Screening for the invasion amplifying cAMP-calcium feedforward loop mechanism Mr Terrance Lam, Monash University	National suicide prevention strategies by reducing access to poisons: A systematic review Miss Jessie Lim, The University of Sydney	Differential G protein activation kinetics may underpin the beneficial aspects of clinically trialled adenosine A1 receptor atypical agonists Ms Samantha McNeill, Monash University
Preparation for practice – Implementation of an eBootcamp interactive prescribing series of workshops for final year medical students Assoc Prof Kellie Charles, The University of Sydney	Calcium communication in an in vitro model of breast cancer brain metastases Ms Silke Chalmers, The University of Queensland	Harm from cardiovascular medications: The omitted 'C' Miss Chariclia Paradissis, The University of Queensland	The structural basis for the UDP-sugar selectivity of human UDP-glycosyltransferase 2B7 (UGT2B7): A combined computational and experimental approach Dr Pramod Nair, Flinders University
Can multiple choice questions examine application of knowledge in online assessments? Dr Suong Ngo, The University of Adelaide	The role of UGT enzymes as novel modulators of lipid biosynthesis and SREBP signalling in breast cancer Mr Jai Meyers, Flinders University	The prevalence and characteristics of psychotropic-related hospitalisations in older people: A systematic review and meta-analysis Ms Ilsa Wojt, The University of Sydney	Characterisation of the G protein coupling profiles of PAC1 receptor splice isoforms Miss Jessica Lu, Monash University

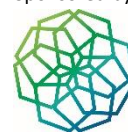
3.50 – 3.59 Mini break

4.00 – 4.30 **British Pharmacological Society keynote presentation**

The use of AI to enhance the success and efficiency of drug discovery and development

Prof Jackie Hunter, Benevolent Bio, UK

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**BRITISH
PHARMACOLOGICAL
SOCIETY**

4.31 – 4.51 Concurrent session

Meet the speaker discussion group with Prof Jackie Hunter
 (limited to 20 pre-registered participants)

To be confirmed

4.51 – 4.59 Mini break

5.00 – 5.30 Evening networking function (optional)

11.30 – 11.59 Poster viewing

12.00 – 12.42 Concurrent session

ASCEPT Early Achievement Award for Women

Plant with the scorpion sting: Pharmacology of Australia's most venomous plant "Gympie-Gympie"

Dr Jennifer Deuis, The University of Queensland

ASCEPT Gillian Shenfield Early Educator Award

An adaptive e-tutorial for development of critical appraisal skills

Dr Eryn Werry, The University of Sydney

Pharmaceutical Society of Australia (PSA) sponsored lecture

Global solutions to global challenges- prioritising our efforts

Prof Parisa Aslani, The University of Sydney

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12.45 – 2.20 Concurrent oral sessions

ASCEPT Garth McQueen student oral prize	Oral presentations 5: Clinical Pharmacology	Oral presentations 6: Respiratory and Cardiovascular Pharmacology	Oral presentations 7: Pharmacy Practice
Biased negative allosteric modulators for the calcium-sensing receptor have differential bronchodilator and bronchoprotective effects in mouse precision cut lung slices Miss Jiayin Diao, Monash University	Predictive performance of population pharmacokinetic models for tacrolimus in lung transplant recipients Ms Rani Singh, University of New South Wales	Apocynin ameliorates cigarette smoking-induced loss of skeletal muscle mass and function by preserving protein synthesis signalling Dr Stanley Chan, RMIT University	The psychosocial and work related impacts of the COVID-19 pandemic on Australian Pharmacists Mrs Karlee Johnston, Australian National University
Effects of ABC transporter modulation on olanzapine entry into the developing brain Miss Yifan Huang, The University of Melbourne	Intracellular enzymatic activation of 4-hydroxycyclophosphamide in leukocytes Mr Minghan Yong, University of Auckland	Spatial reference memory impairment is augmented in hypertensive mice following stroke Dr David Wong Zhang, La Trobe University	Do pharmacy practice standards effectively describe behaviour? Reviewing practice standards using a behavioural specificity framework. Ms Deanna Mill, University of Western Australia
Evaluation of a combination therapy that provides broad renoprotection against DOCA/salt-induced hypertension Ms Yifang Li, Monash University	The influence of haemostatic system maturation on the dose-response relationship of unfractionated heparin Mr Abdallah Derbalah, University of Otago	Relaxin inhibits matrix remodelling of collagen gels by asthmatic fibroblasts Assoc Prof Jane Bourke, Monash University	Expanding primary health care pharmacy practice in Aotearoa New Zealand: Testing theories using a realist-informed approach Dr Caroline Morris, University of Otago
Cigarette smoking does not worsen skeletal muscle contractile function or loss caused by acute viral infection in mice Mr Kevin Mou, RMIT University	Towards precision dosing of vancomycin in critically ill patients: Evaluating predictive performance of pharmacometric models in Intensive Care Unit patients Mr Christopher Cunio, University of New South Wales, St Vincent's Hospital	Anandamide-induced vasodilatation in normotensive and hypertensive rats Ms Daria Kornienko, The University of Melbourne	Interprofessional collaboration of general practice pharmacists in the Australian Capital Territory Mrs Thilini Sudeshika, University of Canberra
Deletion of orphan GPCR, GPR37L1, alters autonomic control of cardiovascular homeostasis in mice Ms Margaret Mouat, UNSW Sydney	Circulating intestinal fatty acid binding protein and gastrointestinal toxicity in Russell's Viper envenomation Dr Varan Perananthan, Royal Prince Alfred Hospital	The pro-resolving lipid mediator lipoxin A4 protects against inflammation in diabetic cardiomyopathy Ms Ting Fu, The University of Melbourne	Pharmacists' roles in supporting people living with severe and persistent mental illness: A systematic review Ms Ricki Ng, The University of Sydney
The nitroxyl donor Angeli's salt circumvents nitric oxide resistance in the insulin-resistant diabetic myocardium Ms Anida Velagic, Monash University	Quality analysis of commercially available Annona muricata leaf products Ms Wai Jo Jocelin Chan, The University of Sydney	Ebselen prevents cigarette smoke-induced cognitive impairment in mice Dr Simone De Luca, RMIT University	Are Australian community pharmacists engaging in mental health promotion? Mr Oliver Watt, University of South Australia

2.20 – 2.49 Coffee break

Wednesday 25 November program continued over page

Wednesday 25 November 2020 *continued*

2.50 – 3.20 Concurrent session

ASCEPT lecture

Translational studies in geriatric pharmacology: Contributing to the global challenge of ageing well

Prof Sarah Hilmer, Royal North Shore Hospital; The University of Sydney

APSA lecture

Giving/taking/matching/diversifying/translating/amplifying – Is collaboration worth it?

Prof Tina Brock, Monash University

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3.21 – 3.41 Concurrent session

Networking discussion groups

Meet the speaker discussion group with Prof Tina Brock
(limited to 20 pre-registered participants)

3.41 – 3.49 Mini break

3.50 – 5.10 Concurrent oral sessions

Oral presentations 8: Pharmacoepidemiology: Drugs and ageing	Oral presentations 9: Neuro- & Urogenital Pharmacology	Oral presentations 10: Drug Delivery, Disposition & Response	Oral presentations 11: Improving patient outcomes
Outcomes of discontinuing anticholinergic medications in people living with dementia: A systematic review Dr Nagham Ailabouni, University of South Australia	Differential sleep/wake response and sex effects following acute suvorexant, MK-1064 and zolpidem administration in the rTg4510 mouse model of tauopathy Prof Daniel Hoyer, The University of Melbourne	A safety, tolerability and pharmacokinetic study of a novel simvastatin silica-lipid hybrid formulation in healthy male participants Ms Tahlia Meola, University of South Australia	“The lesser of two evils”: Consumer perspectives on opioid deprescribing and the development of opioid deprescribing guidelines Ms Aili Langford, The University of Sydney
Utilising MedicinesInsight to promote quality of care among Australians with dementia: A national general practice dataset Dr Edwin Tan, The University of Sydney	Effects of β-estradiol on porcine distal ureteral contractility Dr Iris Lim, Bond University	Quantum dot nanomedicine formulations dramatically improve pharmacological properties and alter uptake pathways of metformin and nicotinamide mononucleotide in aging mice Dr Nicholas Hunt, Anzac Research Institute & Charles Perkins Center, The University of Sydney	A meta-analysis on outcomes of medication misadventure among people with cognitive impairment or dementia Ms Anum Saqib Zaidi, University of Tasmania
Older adult and caregiver attitudes towards deprescribing: A systematic review Dr Kristie Weir, University of South Australia	Utilizing mini-G protein biosensors and BRET to profile orexin receptor pharmacology Miss Natasha Dale, Harry Perkins Institute of Medical Research	Piperacillin/tazobactam plus tobramycin versus Pseudomonas aeruginosa in two in vitro infection models Miss Jessica Tait, Monash University	Exploring attitudes, risk perception and factors that influence young adults’ use of over-the-counter analgesics Dr Fiona Kelly, Griffith University
Improving acute care for people with dementia: Dementia Cohort in Acute caRE settings study (D-CARE) Dr Mouna Sawan, The University of Sydney	Positive allosteric modulation of the M4 muscarinic acetylcholine receptor reverses MK-801 induced hyperlocomotion and sensorimotor gating deficits in mice Dr Emma van der Westhuizen, Monash University	The effect of caffeine intake on the renal clearance of calcium, sodium and creatinine in healthy adults Dr Hayley Schultz, University of South Australia	Duration of postoperative opioid use after hip or knee surgery: A systematic review and meta-analysis Miss Xinyi Wang, The University of Sydney
Tools to evaluate medication management for caregivers of people with dementia: A systematic review Miss Melissa Gench, The University of Sydney	Entry of valproate and lamotrigine into the developing brain Mr Samuel Toll, The University of Melbourne	The effect of chronic polypharmacy and monotherapy on drug pharmacokinetics in mice Dr John Mach, The University of Sydney	Supporting medication adherence in the Maori and Pacific Islander Community with Type 2 Diabetes in Australia Mrs Natasha Taufatofua, The University of Queensland

5.15 – 5.45 Evening networking function (optional)

Thursday 26 November 2020, 12.00 – 4.00 pm Australian Eastern Daylight Time (AEDT)

11.30 – 11.59 Poster viewing

12.00 – 1.23 Concurrent session

Certara New investigator award	APSA Emerging Leaders session
Dr Sophie Stocker, The University of Sydney	Implementation and evaluation of a virtual pharmacy Objective Structured Clinical Examination (OSCE) Dr Vivienne Mak, Monash University
Dr Carl White, University of Western Australia	Pharmacist-led intervention using a web-based tool to reduce high-risk medication use in older in-patients Dr Emily Reeve, University of South Australia
Dr Stephanie Reuter Lange, University of South Australia	Understanding the mechanisms behind the oral bioavailability enhancement of abiraterone acetate by silica-lipid hybrid formulations Dr Hayley Schultz, University of South Australia
Dr Ashley Hopkins, Flinders University	Evaluation of a pilot vancomycin therapeutic drug monitoring (TDM) service using an interrupted time series analysis Dr Sophie Stocker, The University of Sydney

1.23 – 1.39 Coffee break

1.40 – 2.40 Concurrent symposium session

Symposium 4: Global challenges in education: Creating an inclusive environment	Symposium 5: Innovative therapeutic approaches of resolution pharmacology	Symposium 6: Interdisciplinary strategies to address unwarranted variation in high-risk medicines use in aged care
Chairs: Assoc Prof Liz Davis, Monash University and Assoc Prof Christian Moro, Bond University	Chairs: Dr Chengxue Helena Qin, Monash University and Prof Ross Vlahos, RMIT University	Chair: Dr Edwin Tan, The University of Sydney
Supporting and including our International students Assoc Prof Betty Exintaris, Dr Nilushi Karunaratne and Dr Suzanne Caliph, Monash University	Targeting pre-resolving mediators to treat COPD and lung cancer Prof Steven Bozinovski, RMIT University	Geographical and intra-facility variation in medicines use in Australian aged care facilities Dr Janet Sluggett, University of South Australia
Promoting gender equity and diversity in the classroom Assoc Prof Tina Hinton, The University of Sydney	Lipoxin, a novel approach to treat diabetes-associated atherosclerosis Prof Catherine Godson, Diabetes Complications Research Centre, Ireland	Unexplained variation in psychotropic use in aged care facilities: How does organisational culture contribute? Dr Mouna Sawan, The University of Sydney
Opportunities for neurodiversity in the classroom Arlene Taylor, intégré FUTURES	Advances in specialized pro-resolving GPCRs Dr Christopher Langmead, Monash University	Medication Advisory Committees: A means to address unexplained variation in medicines use Prof Simon Bell, Monash University
Cultural competency in our academics and students Assoc Prof Karen Adams, Monash University	Cardioprotective potential of resolving inflammation in the heart Prof Rebecca Ritchie, Monash University	The Registry of Senior Australians (ROSA) Outcome Monitoring System: Quality and safety indicators for examining unwarranted care variation Assoc Prof Gillian Caughey, South Australian Health and Medical Research Institute (SAHMRI)
Panel discussion	Panel discussion	Panel discussion (including Dr Angelita Martini, Brightwater Research Centre)

2.40 – 2.59 Coffee break

3.00 – 3.30 APSA medal

The magic of LiPhe: Leadership in pharmacy/pharmacology education
Prof Kevin Batty, Curtin University

3.31– 4.00 Conference close and awards