



# APSA-ASCEPT

JOINT SCIENTIFIC MEETING  
**5-8 DECEMBER 2017**  
BRISBANE CONVENTION & EXHIBITION CENTRE

## Poster program



Optimising medicines for optimal patient outcomes



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## Drug Discovery

417	<b>New drug formulation for combating antibiotic resistance</b> Hien Duong, The University of Sydney
418	<b>Angiotensin II receptor type 1 transactivation of EGFR via TRIO-dependent mechanisms</b> Liz Johnstone, University of Western Australia
419	<b>Smad2 linker region: A central integrating point for GPCR mediated transactivation of tyrosine and serine/ threonine kinase receptors</b> Danielle Kamato, The University of Queensland
420	<b>Reversal of age related pseudocapillarization using direct actin &amp; lipid raft disruptor drugs on in vitro liver sinusoidal endothelial cells</b> Glen Lockwood, Centre for Education and Research on Ageing
421	<b>The rational design of self-adjuvanting subunit vaccines by site-specific conjugation of protein antigens with Toll like receptor ligands</b> Zhenghui Xu, The University of Queensland
422	<b>The novel fatty acid epoxide analogue CTU targets the mitochondrion and depletes cardiolipin to promote killing of MDA-MB-231 breast cancer cells</b> Hassan Choucair, The University of Sydney
423	<b>Anti-proliferative activity of novel <math>\omega</math>-3 epoxy fatty acid analogues in MDA-MB-231 triple negative human breast cancer cells</b> Yassir Al-Zubaidi, The University of Sydney
424	<b>Assessment of taste 1 receptor allosteric ligands for activity at metabotropic glutamate receptors</b> Amy NY Chen, Monash University
425	<b>Small molecule inhibitors of Amyloid <math>\beta</math> and <math>\alpha</math> Synuclein (<math>\alpha</math>SA53T) protein aggregation</b> Sukanya Das, The University of Adelaide
426	<b>Bias in fluorescence-based voltage-gated sodium channel assays</b> Jennifer Deuis, The University of Queensland
427	<b>Nrf2 activators in medicinal plants of the Australian Aboriginal Dharawal people</b> Karthik Dhananjayan, Western Sydney University
428	<b>Phosphatase and tensin homolog (PTEN) silencing suppresses Ca<sup>2+</sup> responses in MDA-MB-231 breast cancer cells</b> Trinh Hua, The University of Queensland
429	<b>Comparison of analgesic and constipation profile of two G-protein biased endomorphin-2 analogue after intracerebroventricular administration in rats</b> Mohammad Zafar Imam, The University of Queensland
430	<b>Structure-based virtual screening for the rapid discovery of selective butyrylcholinesterase inhibitors</b> Jared Miles, The University of Queensland
431	<b>Natural product honokiol reduces A<math>\beta</math>42-induced toxicity in Caenorhabditis elegans, A<math>\beta</math>42 fibrillation, cholinesterase activity, DPPH radicals, and chelates iron(II)</b> Jared Miles, The University of Queensland
432	<b>Development and optimisation of a FLIPR high-throughput cAMP assay to screen for Gai mediated GPCR modulators</b> Michael Morgan, The University of Queensland
433	<b>Development of a BRET based assay for AT1R-EGFR transactivation: evidence for functional heteromers</b> Shannon O'Brien, The University of Queensland
434	<b>Consequences of pharmacological inhibition of store-operated calcium entry on calcium signalling in MDA-MB-468 breast cancer cells</b> Greta Poo, The University of Queensland
435	<b>The sweet taste receptor: A novel target for drug discovery?</b> Susan Tan, University of New South Wales
436	<b>Assessment of calcium responses induced by the transient receptor potential cation channel subfamily V member 4 (TRPV4) activator GSK1016790A in MDA-MB-468 breast cancer cells using automated epifluorescence microscopy</b> Zara Wagner, The University of Queensland
437	<b>PAR1 and PAR2 open TRPV4 with conserved signalling pathways</b> Owen Woodman, RMIT University
438	<b>Neuronal calcium sensor-1 (NCS-1) in the regulation of calcium homeostasis and cell death in MDA-MB-231 basal breast cancer cells</b> Alice Bong, The University of Queensland
439	<b>Understanding the physiological role of endogenous allosteric modulators in the muscarinic acetylcholine receptors</b> Ee Von Moo, Monash University

## Cardiovascular

457	<b>Bleeding-related admissions in patients with atrial fibrillation receiving antithrombotic therapy: Results from the Tasmanian Atrial Fibrillation (TAF) study</b> Endalkahcew Admassie Alamneh, University of Tasmania
458	<b>Epicatechin's cardiovascular protective effects are mediated via opioid receptors and nitric oxide</b> Andrew Fenning, Central Queensland University
459	<b>Exploiting E3-ubiquitin ligase mediated protein degradation pathways as new therapeutic target strategies for cardiovascular disease and beyond</b> Ingrid Gelissen, The University of Sydney

460	<b>Nattokinase: A promising alternative in prevention and treatment of cardiovascular diseases</b> Yiguang Lin, University of Technology Sydney
461	<b>Gaps in anticoagulation knowledge in patients with atrial fibrillation</b> Kehinde Obamiro, University of Tasmania
462	<b>Phosphoinositide 3-kinase p110alpha gene delivery limits cardiac remodelling and inflammation in a pre-clinical model of type 2 diabetes</b> Darnel Prakoso, Baker Heart and Diabetes Institute
463	<b>Targeting Annexin-A1 to treat diabetic cardiomyopathy</b> Jesse Walsh, Baker Heart and Diabetes Institute
464	<b><math>\beta</math>-Ile5-Angiotensin II as a novel treatment for cardiac fibrosis</b> Yan Wang, Monash University
465	<b>Functional regulation of bitter taste receptors (T2Rs) by B2-adrenergic and M2 muscarinic acetylcholine receptor</b> Jilai Zhao, The University of Queensland
466	<b>Gene therapy targeting the hexosamine biosynthesis pathway (HBP) attenuates markers of diabetic cardiomyopathy in a mouse model of type-2 diabetes (T2D)</b> Charles Cohen, Monash University
467	<b>Blood pressure lowering post-stroke; a review of the evidence supporting recommendations of draft Clinical Guidelines for Stroke Management 2017</b> Fahmida Ilyas, SA Health
468	<b>Resveratrol shows neuronal and vascular-protective effects in older, obese, streptozotocin-induced diabetic rats</b> Jordon Irwin, Central Queensland University
469	<b>The microRNA miR-124 inhibits vascular smooth muscle cell proliferation by targeting S100 calcium-binding protein A4 (S100A4)</b> Hyun Kook, Chonnam National University Medical School
470	<b>The role of phospholipase A2 in the cardiovascular effects of Pseudechis australis snake venom</b> Amna Mazeah, The University of Melbourne
471	<b>Endotoxin tolerance-like response in human abdominal aortic aneurysm (AAA) macrophages</b> Lara Meital, University of The Sunshine Coast
472	<b><math>\beta</math>3-adrenergic receptors in the rat cremaster muscle artery</b> Samantha Saunders, University of New South Wales
473	<b>The association between short sleep duration and BMI in Australian Indigenous children</b> Joseph Tucci, La Trobe University
474	<b>Vascular effects of Australian brownsnake venoms (<i>Pseudonaja spp.</i>): The role of secretory phospholipase A2</b> Nhi T Vuong, The University of Melbourne
475	<b>Delineating the signal transduction pathways by which relaxin mediates its anti-fibrotic actions in human cardiac fibroblasts</b> Chao Wang, Monash University
476	<b>Targeting IRAP: A novel treatment to stabilise existing abdominal aortic aneurysms</b> Kaki Fan, Monash University
477	<b>Comparing the anti-fibrotic effects of emerging treatments: Serelaxin and the IRAP inhibitor, HFI-419 to a clinically-used angiotensin receptor blocker and ACE inhibitor in a high salt-induced mouse model of kidney disease</b> Matthew Shen, Monash University
478	<b>Systemic and cardiac-selective targeting of histone deacetylase 4 (HDAC4) to limit diabetic cardiomyopathy</b> Andrew Willis, Baker Heart and Diabetes Institute
479	<b>Role of TRPC3 in endothelium-dependent vasodilation of rat mesenteric arteries</b> Sarah Wright, University of New South Wales
480	<b>An investigation of the vascular effects of Sailuotong, a standardised Chinese herbal formula, for vascular dementia</b> Seungyeon Yeon, Western Sydney University / The Science of Integrative Medicine (NICM)

## Clinical Pharmacology

491	<b>Therapeutic drug monitoring of voriconazole</b> Kanka Chaudhri, University of New South Wales / St Vincent's Hospital
492	<b>Antithrombotic drug-drug interaction alerts in MedChart</b> Amanda Crawford, University of Otago
493	<b>Prescribing based on the effective dose 50 (ED50)</b> Simon Dimmitt, University of Western Australia
494	<b>'Mrs Have-A-Chat': Pilot study showing that following up an "AdherenceCheck" every two weeks for 9 months improves the management of medicines in the older-aged living in a rental retirement village</b> Sheila Doggrell, Queensland University of Technology
495	<b>Making adverse drug reactions visible</b> Matthew Doogue, University of Otago
496	<b>Severe cutaneous adverse reactions and the (in)accuracy of medicines information sources</b> Marie-Claire Morahan, Canterbury District Health Board
497	<b>Peri-operative medication dosing in obese elective surgical patients: A systematic review of clinical studies</b> Zahid Hussain, University of Tasmania

498	<b>Audit of individual patient use applications for high cost medicines at a tertiary hospital</b> Joshua Inglis, Royal Adelaide Hospital
499	<b>Cannabinoid toxicity post human intraperitoneal injection</b> Catherine Lucas, University of Newcastle
500	<b>Clinical relevance of drug-drug interaction alerts</b> Sylvain Meslin, University of New South Wales / St Vincent's Hospital
501	<b>A chiral UHPLC-MS/MS method to investigate the pharmacokinetics of enantiomeric ketorolac in human plasma</b> Suzanne Parker, The University of Queensland
501.1	<b>A suite of LC-MSMS assays to investigate the pharmacokinetics of meropenem in critically ill patients receiving renal replacement therapy</b> Suzanne Parker, The University of Queensland
502	<b>Current antimicrobial stewardship (AMS) practices in the Australian community pharmacies</b> Tasneem Rizvi, University of Tasmania
503	<b>Inappropriate drug prescribing in elderly hospitalised patients with falls and fractures</b> Natalia Soerjadi, The Canberra Hospital
504	<b>A time and motion study of phlebotomists' work</b> Sophie Stocker, St Vincent's Hospital
505	<b>Impact of deprescribing interventions in older hospitalised patients on prescribing and clinical outcomes: a systematic review of randomised trials</b> Janani Thillainadesan, Royal North Shore Hospital
506	<b>A multicentre open-label pharmacokinetic-pharmacodynamic study of febuxostat in patients with chronic gout</b> Bishoy Kamel, University of New South Wales / St Vincent's Hospital
507	<b>A stimulation study to assess the possible contribution of measurement error in quetiapine depression trials</b> Jia Ning Careen Tan, The University of Queensland
508	<b>The perceived impact of medicines, foods and substances taken by mother on their breastfed baby</b> Hilai Ahmadzai, Curtin University
509	<b>The effect of deprescribing after chronic polypharmacy on locomotor activity and cognition in a preclinical model</b> Swathi Ekambareshwar, The University of Sydney
510	<b>A simple, sensitive and rapid LC-MS/MS method for the simultaneous measurement of anthracyclines, cyclophosphamide and taxanes in breast cancer patient samples</b> Peter Galettis, University of Newcastle
511	<b>Relationship between plasma dolutegravir concentration and cause of anti- HIV therapy discontinuation</b> Mari Kato, National Hospital Organization Nagoya Medical Center
512	<b>Preclinical models to understand the risks of single and multiple concurrent medicines in old age</b> John Mach, Kolling Institute/ The University of Sydney/ Royal North Shore Hospital
513	<b>Prevalence and prediction of adverse drug reactions in older inpatients with hyperpolypharmacy</b> Rayan Nahas, Royal North Shore Hospital
514	<b>Pharmacometrics to address weaknesses in Australian medical countermeasure product development</b> Thomas Polasek, d3 Medicine, A Certara Company
515	<b>Intravesical mitomycin C enhances spontaneous phasic contractile activity in the murine bladder</b> Eliza West, Bond University
516	<b>The influence of perioperative opioids on cancer metastasis</b> Nan Xie, The University of Queensland
517	<b>Simultaneous determination of adalimumab and infliximab in human serum by liquid chromatography/tandem mass spectrometry</b> Mei Zhang, University of Otago
518	<b>Ibuprofen in Infants younger than 6 months: What is the efficacy and safety profile?</b> Victoria Ziesenitz, University of Basel Children's Hospital
519	<b>The safety and pharmacokinetics of metformin in heart failure</b> Gina Chowdhury, University of New South Wales / St Vincent's Hospital Sydney
520	<b>The safety of Metformin in Haemodiafiltration</b> Felicity Smith, University of New South Wales / St Vincent's Hospital Sydney
521	<b>Discharge summaries: An untapped resource for optimising Adverse Drug Reaction identification</b> Frida Djukiadmodjo, Austin Health

## Toxicology

555	<b>Inhibition of human Cav3.2 channels by synthetic cannabinoid MDMB-CHMICA in vitro</b> Chris Bladen, Macquarie University
556	<b>Potential role of herb-herb interactions in hepatotoxicity</b> Susan Britza, University of Adelaide
557	<b>QSAR models define molecular initiating events for multiple AOPs</b> Davy Guan, The University of Sydney
558	<b>Functional evaluations of synephrine and octopamine - stimulants in pre-workout supplements</b> Andy Koh, Bond University

## Pharmaceutical Science

563	<b>Chemical profile and anti-cancer potency of <i>Dendrobium</i> species from China and Australia</b> I Gusti Md Gde Surya C. Trapika, The University of Sydney
564	<b>Olfactory targeted mucoadhesive microparticles for enhanced brain uptake of phenytoin</b> Sasi Bhushan Yarragudi, University of Otago
565	<b>Synthesis and characterization of a smart inulin hydrogel system for colon targeted drug delivery</b> Franklin Afinjuomo, University of South Australia
566	<b>Induction of localised vasodilation and hyperpermeability using a novel nitric oxide donor nanoparticle</b> Houman Alimoradi, University of Otago
567	<b>Scarring in horses – is there a way to objectively quantify an equine scar?</b> Selena Boyd, The University of Queensland
568	<b>Prediction of skin permeation based on solute properties using machine learning and statistical tools</b> Hanumanth Srikanth Cheruvu, The University of Queensland
569	<b>Quality of levofloxacin tablets: In vitro dissolution testing and content evaluation</b> Ensieh Izadi, University of Tasmania
570	<b>Evaluation of PLGA nanoparticles (NPs) uptake using Caco-2 cell monolayers</b> Danhui (Cathy) Li, University of Auckland
571	<b>Human NAT1 regulates invasion of MDA-MB-231 breast cancer cells by modulating the expression of MMPs</b> Pengcheng Li, The University of Queensland
572	<b>Effect of N-acetyltransferase 1 on the sensitivity of chemotherapeutics in breast cancer</b> Courtney Mcaleese, The University of Queensland
573	<b>An investigation of sodium fusidate and recombinant cytochrome p450 enzymes inhibition in-vitro</b> John Mishriky, RMIT University
574	<b>Physiologically-based IVIVC compared with conventional IVIVC for predicting <i>in vivo</i> pharmacokinetics of crushed paracetamol mixed with thickened fluids for swallowing disorders</b> Chandramouli Radhakrishnan, 4am Software
575	<b>Release of somatostatin monomers from self-assembled hydrogels</b> Uma Rai, RMIT University
576	<b>L-arginine protects skeletal muscle against statin-induced myopathy</b> Kimberly Ryan, Central Queensland University
577	<b>Intrinsic dissolution study of aspirin</b> Dorothy Saville, University of Otago
578	<b>Effect of storage on release from enteric coated diclofenac tablets</b> Dorothy Saville, University of Otago
579	<b>Drug content and in vitro dissolution of ciprofloxacin tablets: Comparison and Evaluation</b> Deepali Sharma, University of Tasmania
580	<b>Removal of interstitial hyaluronan with recombinant human hyaluronidase (rHuPH20) influences the systemic and lymphatic uptake of a monoclonal antibody in rats</b> Ian Styles, Monash University
581	<b>Preparation of viable and metabolically active epidermal membrane</b> Krishna Chaitanya Telaprolu, The University of Queensland
582	<b>Arylamine N-acetyltransferase 1 regulates cancer cell survival via modulation of pyruvate dehydrogenase</b> Lili Wang, The University of Queensland
583	<b>Biomedical applications of water-soluble pillar[n]arenes</b> Nial Wheate, The University of Sydney
584	<b>Distribution of therapeutic proteins into thoracic lymph after intravenous administration is protein size-dependent and primarily occurs within the liver and mesentery</b> Preeti Yadav, Monash University

## Pharmacoepidemiology

400	<b>Trends in anticoagulant use among people with dementia in Australia</b> Jenni Ilomaki, Monash University
401	<b>Mapping medication burden, prescribing and dispensing patterns within community dwelling elderly clients of community pharmacies</b> Lauren Corre, University of South Australia
402	<b>Use of medicines with sedative or anticholinergic properties and medicine-induced deterioration in older people: An intermediary pathway to frailty</b> Renly Lim, University of South Australia
404	<b>Health professionals' and researchers' opinions on conducting clinical deprescribing trials</b> Alexander Clough, The University of Sydney
405	<b>Prevalence of potentially inappropriate medication use in older inpatients with and without cognitive impairment: A systematic review</b> Mitchell Redston, The University of Sydney
406	<b>Exercise and weight loss supplements: Understanding the risks</b> Robin Bell, University of Newcastle
407	<b>SGLT2 inhibitors and diabetic ketoacidosis - review of PI's and comparison with Endocrinology position statement</b> Genevieve Gabb, SA Health
408	<b>Health literacy and uptake of osteoporosis medications in a population-based sample of Australian women</b> Sarah Hosking, Monash University
409	<b>SGLT-2 inhibitors and diabetic ketoacidosis - review of CMI and comparison with Endocrinology position statement</b> Fahmida Ilyas, SA Health
410	<b>Evaluation of bortezomib use in Queensland public hospitals for the treatment of multiple myeloma</b> Crystal Loke, The University of Queensland
411	<b>What do women want to know about menopausal symptoms management: An Australian medicines call centre analysis</b> Rifani Bhakti Natari, The University of Queensland
412	<b>Patterns of oral anticoagulant use in people with and without dementia: A systematic review</b> Taliesin Ryan-Atwood, Monash University
413	<b>Consumer information gaps and concerns regarding opioid analgesics and anxiolytic/hypnotic/sedative medicines</b> Kudrat Sidhu, The University of Queensland
414	<b>The Medication Regimen Simplification Guide for Residential Aged Care (MRS GRACE): A novel tool to optimise medication regimens for residents of aged care facilities</b> Esa Chen, Monash University
415	<b>What are the predictors of persistent prescription opioid analgesic use for non-cancer pain in Australia?</b> Samanta Lalic, Monash University
416	<b>Anovulatory infertility in Australia: A retrospective analysis of medicine use and health outcomes</b> Mohammed Altaf, The University of Queensland

## Education

440	<b>Experiences in defining Entrustable Professional Activities to drive the learning of undergraduate pharmacy students</b> Hesham Al-Sallami, University of Otago
441	<b>Older people as university-based instructors to improve empathy and attitudes toward older people among first-year pharmacy students</b> Simon Bell, Monash University
442	<b>A digital portfolio: Learning gains and efficiencies for placements in new BPharm programme</b> Lynne Bye, University of Auckland
443	<b>Education for vancomycin – what works?</b> Jane Carland, University of New South Wales/St Vincent's Hospital Sydney
444	<b>Creating a labelling standard for compounded medicines – a learning task requiring higher order thinking skills</b> Stephen Carter, The University of Sydney
445	<b>Nursing students are more reliant on ongoing assessment scores to succeed in pharmacology than paramedic or optometry students</b> Sheila Doggrell, Queensland University of Technology
446	<b>Do pharmacy students have different personal characteristics than other students?</b> James Green, University of Otago
447	<b>Student engagement in learning: Learning space matters</b> James Blanchflower, The University of Sydney
448	<b>Pilot study of a clinical pharmacology exam for medical students prior to hospital internship in Newcastle</b> Catherine Lucas, University of Newcastle
449	<b>Evaluation of a new integrated Master of Pharmacy curriculum</b> Rebecca Roubin, The University of Sydney
450	<b>Development of a program wide pharmaceutical compounding strategy using the scaffold learning approach to improve student learning outcomes</b> Vijay Suppiah, University of South Australia
451	<b>Gamification to enhance learning of difficult concept in Pharmacology</b> Lisa BG Tee, Curtin University

452	<b>Improving student engagement: Utilising a wet pain practical</b> Waltraud (Trudie) Binder, University of New South Wales
453	<b>Demonstrating the ability to prescribe medicines: A multi-professional view</b> Lynda Cardiff, Queensland University of Technology
454	<b>Does attending lectures matter when lecture recordings are available? Results for a preliminary study of nursing students in pharmacology</b> Sheila Doggrell, Queensland University of Technology
455	<b>Implementation of a consistent and structured approach to small class workshops: A case study in pharmacy education at Monash University</b> Nilushi Karunaratne, Monash University
456	<b>Practicing pharmacists' preferences for skills taught in an undergraduate pharmacy program</b> Carlo Marra, University of Otago
456.1	<b>Developing a new unit in a new curriculum</b> Betty Exintaris, Monash University

## Pharmacogenomics

481	<b>Clinically actionable CYP450 pharmacogenotypes relevant to analgesics used for alleviating rheumatoid arthritis pain in community-dwelling older Australians</b> Thilani Dias, University of Newcastle
482	<b>Cytochrome interactions between lumacaftor and ivacaftor undergoing Orkambi cystic fibrosis therapy</b> Elena Schneider, Monash University
483	<b>The role of efflux transporters in the transfer of drugs from mother to breastfed infant via breastmilk</b> Hilai Ahmadzai, Curtin University
484	<b>Silencing ABCG2 transporter gene enhances oxaliplatin chemo-sensitivity in colorectal cancer cells</b> Riya Biswas, Auckland University of Technology
485	<b>Raised urinary excretion of thymine following an oral load is a marker for severe fluoropyrimidine toxicity</b> John Duley, The University of Queensland
486	<b>The ethics of direct-to-consumer pharmacogenomic screening in primary care</b> Suzanne Harvey, The University of Queensland
487	<b>Therapeutic drug safety, important to 'Close the Gap' for Aboriginal and Torres Strait Islanders: An illustrative case of phenytoin hypersensitivity syndrome</b> Fahmida Ilyas, SA Health
488	<b>Physiologically based pharmacokinetic modelling of atomoxetine in the different CYP2D6 genotypes</b> Seok-Yong Lee, Sungkyunkwan University
489	<b>No significant effect of CYP3A, ABCB1, POR and NR1H2 polymorphisms on acute rejection and nephrotoxicity in the first 3 months post kidney transplantation in patients receiving tacrolimus</b> Rong Hu, The University of Adelaide
490	<b>ABCB1 pharmacogenetics in Papua New Guinea HIV/AIDS patients and association with efavirenz CNS/Psychiatric adverse effects</b> Helena Van Schalkwyk, The University of Adelaide

## Neuro- and Behavioural Pharmacology

522	<b>GLP-1-induced anorectic and emetic responses are mediated via exendin (9-39)-sensitive mechanisms in Suncus murinus</b> Sze Wa Chan, Caritas Institute of Higher Education
523	<b>Polyphenol reversal of amyloid-induced neurite dysfunction</b> Mirabel Alonge, University of Adelaide
524	<b>Endosomal trafficking kinetics of orexin receptors as measured by BRET trafficking assay</b> Natasha Dale, Harry Perkins Institute of Medical Research
525	<b>Splicing regulation and function of cytosolic sulfotransferase: SULT4A1</b> Misgana Idris, The University of Queensland
526	<b>Diverse approaches to understand functional pharmacology- examples of the serotonin 5-HT1B and 5-HT2A receptors</b> Amber Ko, Eurofins Pharma Discovery Services
527	<b>Statins exhibit diverse effects on behaviour and brain cytokine levels in an in vivo model of LPS-induced neuroinflammation</b> Amelia McFarland, Griffith University
528	<b>The role of caveolae in glioblastoma invasiveness</b> Wenjun Pu, The University of Queensland
529	<b>Air on a G-String: Guanine as a biological stress sensor in relation to depression and neurological disorders</b> Tim Shaw, The Peter Doherty Institute
530	<b>Behavioural, pharmacologic and histologic characterisation of a rat model of mechanical low back pain</b> Thomas Park, The University of Queensland
531	<b>Morphine dosing affects development of antinociceptive tolerance and motor behaviour</b> Alok Kumar Paul, University of Tasmania

## Drug Disposition and Response

532	<b>Pharmacokinetics and metabolism of dabrafenib and trametinib in BRAF V600E/K metastatic melanoma</b> Hannah Yejin Kim, The University of Sydney
533	<b>Optimisation of a meropenem plus tobramycin combination dosage regimen against hypermutable and non-hypermutable <i>Pseudomonas aeruginosa</i> via the hollow-fibre infection model and mechanism-based modelling</b> Rajbharan Yadav, Monash University
534	<b>Evaluation of optimised piperacillin plus tobramycin combination dosage regimens against <i>Pseudomonas aeruginosa</i> (Pa) for patients with altered pharmacokinetics via the hollow fibre infection model and mechanism-based modelling</b> Rajbharan Yadav, Monash University
535	<b>High-throughput assay for simultaneous quantification of the plasma concentrations of Omeprazole, Dextromethorphan, Midazolam, Losartan and their metabolites using liquid chromatography/tandem mass spectrometry (LC-MS/MS)</b> Santosh KS Adiraju, The University of Queensland
536	<b>The influence of sampling time on estimated tobramycin exposure in cystic fibrosis patients</b> Yanhua Gao, The University of Queensland
537	<b>Tumour expression of copper transporters in colorectal cancer patients</b> Johnson Liu, University of New South Wales
538	<b>Investigating the optimal initial dose of gentamicin in paediatric oncology patients considering efficacy and reduction in renal function</b> Carolina Llanos, The University of Queensland
539	<b>Interaction of mangosteen extract and alpha mangostin with metformin in diabetic rats: PK/PD studies</b> Lucy Sasongko, Institut Teknologi Bandung
540	<b>Early prediction of chemotherapy efficacy in liver cancer cells by specific ROS levels</b> Haotian Yang, The University of Queensland
541	<b>Drug delivery to the intestinal lymphatics enhances the immunosuppressant effects of mycophenolic acid in mice</b> Ruby Panakkal Kochappan, Monash University
542	<b>Polymer precipitation inhibitors can maintain drug supersaturation and increase in vivo absorption from lipid-based formulations</b> Estelle Suys, Monash University

## Urogenital and Gastrointestinal

543	<b>The effects of aging on polarization in collagen sandwich-cultured hepatocytes</b> Sun Woo Kang, Anzac Research Institute
544	<b>Tachykinin NK2 receptor expression in the human colon; an insight into the influence of gender, age and disease</b> Stelina Drimousis, University of New South Wales
545	<b>Antibiotic guidelines for Urinary Tract Infections (UTI) and hospital length of stay</b> Poh Loh, Royal Perth Hospital
546	<b>Age-related variations in porcine bladder responses to clinical antimuscarinics</b> Christian Moro, Bond University
547	<b>Histamine receptors as regulators of urothelial and detrusor contractile activity</b> Christian Moro, Bond University
548	<b><math>\beta</math>-adrenoceptors in the urinary bladder vasculature</b> Donna Sellers, Bond University
549	<b>Ethanol as an intravesical vehicle: Effects on bladder function</b> Katrina Smith, Bond University
550	<b>Prazosin but not tamsulosin sensitises PC-3 and LNCaP prostate cancer cells to docetaxel</b> Briohny Spencer, Griffith University
551	<b>Purinergic P2X7 receptor antagonist A804598 reduces the damage induced by acrolein in ex-vivo porcine bladders</b> Zhinoos Taidi, University of New South Wales
552	<b>Histamine receptor (Hrh) subtypes mediate bladder afferent sensitivity in mice</b> Ashlee Caldwell, University of Adelaide
553	<b>Characterization of Nav channels in colon-innervating dorsal root ganglion neurons in mice</b> Andelain Erickson, The University of Adelaide
554	<b>Pharmacological effects of a jungle ginger on rat prostatic smooth muscle</b> Nguok Ngie Eunice Su, Monash University

## Inflammation/respiratory

559	<b>The immunomodulation of dynorphin 3-14 on lipopolysaccharide-activated toll-like receptor 4 signalling pathway</b> Peter Cabot, The University of Queensland
560	<b>Intranasal delivery of the TLR7 agonist, imiquimod, protects against influenza A virus-induced morbidity in mice</b> Jonathan Erlich, RMIT University
561	<b>IRAK3 modulates NF<math>\kappa</math>B through its guanylate cyclase activity</b> Lubna Freihat, Monash University
562	<b>Pharmacological characterisation of small molecule C5aR1 inhibitors in primary human macrophages</b> Xaria Li, The University of Queensland



## Pharmacy Practice

585	<b>Drug use evaluation of levetiracetam at a tertiary teaching hospital</b> Oksana Burford, Curtin University
586	<b>Hospital pharmacists' and patients' views about what constitutes effective pharmacist-patient communication</b> Bernadette Chevalier, The University of Queensland
587	<b>Improving community pharmacy management of non-prescription medicine requests with mystery shopping and feedback</b> Jack Collins, The University of Sydney
588	<b>Surgical antibiotic prophylaxis use and infection prevalence in breast surgery procedures in a major teaching hospital in Western Australia</b> Petra Czarniak, Curtin University
589	<b>Psychometric testing of scales measuring perinatal depression literacy and comfort with providing perinatal depression care</b> Sarira El-Den, The University of Sydney
590	<b>Communication between community pharmacies and prescribers in New Zealand</b> James Green, University of Otago
591	<b>Medicine use in early childhood: Which vaccines, branded or generic medicines do parents of children five and under choose?</b> James Green, University of Otago
592	<b>What is the attitude of Australian pharmacists to the use of medicines for assisted dying at end-of life?</b> Tony Hall, Queensland University of Technology
593	<b>Health professionals' opinion of a brief email format for answering medicine information enquiries</b> Ann Roslyn Hutton, Christchurch Hospital
594	<b>Pharmacy and the ethical dilemma of Physician Assisted Suicide (PAS): A systematic review</b> Sami Isaac, The University of Sydney
595	<b>Common co-morbidities and polypharmacy in elderly patients in a South Australian tertiary healthcare hospital</b> Muhammad Khan, The University of Queensland
596	<b>Weight loss product usage and advice in community pharmacies in North Queensland</b> Gillian Knott, James Cook University
597	<b>Factors associated with pharmacists' perceptions of working conditions in Canada</b> Carlo Marra, University of Otago
598	<b>What Is Polypharmacy Exactly (WIPE)</b> Nashwa Masnoon, University of South Australia, Royal Adelaide Hospital
599	<b>Do Australian pharmacists feel prepared to respond to local disasters and emergencies?</b> Elizabeth McCourt, Queensland University of Technology
600	<b>Over-the-counter medicines: The complexity of decision-making for pharmacy students</b> Sara McMillan, Griffith University
601	<b>Insights into consumer use, storage and disposal of unwanted and expired medicines</b> Fiona Kelly, Griffith University
602	<b>Non-prescription sales of antimicrobials in developing countries: A systematic review</b> Fatima Sakeena, The University of Sydney
603	<b>Principlism: An approach for determining ethical responsibilities of pharmacists when selling complementary medicines</b> Amber Salman Popattia, The University of Queensland
604	<b>Implementation of the Goal-directed Medication review Electronic Decision Support System (G-MEDSS)</b> Mouna Sawan, The University of Sydney
605	<b>Pharmacist perceptions of psychotropic monitoring in Australian aged care facilities</b> Carl Schneider, The University of Sydney
606	<b>Do pharmacists fit in the disaster health management team puzzle?</b> Judith Singleton, Queensland University of Technology
607	<b>How do health professionals perceive medicinal cannabis? Results of a systematic review</b> Judith Singleton, Queensland University of Technology
608	<b>Community pharmacists' perception of their role in primary mental health care</b> Mary Wong, University of Otago
609	<b>Electronic prescribing of insulin with Medications Management, Anaesthetics &amp; Research Support (MARS)</b> Hua Bing Yong, Princess Alexandra Hospital
610	<b>Prevalence of potentially inappropriate medicine use in older Australians living in residential aged care facilities</b> Hosam Bony, University of South Australia
611	<b>Comparison of the management of medicines in the older-aged living in different leasehold retirement villages</b> Sheila Doggrell, Queensland University of Technology
612	<b>Tablet crushers: The investigation of powder loss using different sizes and brands of atorvastatin tablets</b> Mitchell Everlyn, The University of Queensland
613	<b>Study of the 'Hospital Formularies' of different level hospitals based on the 'WHO - Essential Medicines List'</b> Bharatkumar Gajjar, Pramukhswami Medical College
614	<b>How does perceived cost influence pharmacy patronage? A scoping review.</b> Bethany Grew, The University of Sydney
615	<b>Improving outcomes in type 2 diabetes patients using a pharmacist diabetes intervention tool</b> Laetitia Hattingh, Griffith University
616	<b>Complementary and alternative medicine (CAM) use in cancer patients commencing new chemotherapy</b> Karly Huber, Griffith University

617	<b>Are pharmacists' estimates of medication adherence related to HbA1c levels in people with type 2 diabetes?</b> Mangesh Kharjul, Otago University
618	<b>Developing a screening tool to identify people with swallowing difficulties of solid oral medicines</b> Esther Lau, Queensland University of Technology
619	<b>Dose administration aids - how useful do patients think they are?</b> Esther Lau, Queensland University of Technology
620	<b>Factors influencing non-adherence among people living with chronic health conditions in Australia</b> Amary Mey, Griffith University
621	<b>Medication information and supply behaviours in elite athletes</b> Lily Ngu, University of Western Australia
622	<b>Healthcare and pharmacy service provision for Pakistani migrants residing in developed countries: A systematic review</b> Ahsan Saleem, The University of Queensland
623	<b>Piloting a novel observational technique for the administration of medicines to children in paediatric wards</b> Jose Manuel Serrano Santos, Queensland University of Technology
624	<b>Evaluation of antimicrobial use in a tertiary care hospital by using specific indicators: A prospective, observational study</b> Siavash Shahbazi Nia, Al-ameen College of Pharmacy
625	<b>Does medication increase the risk of infection burden in residential aged care?</b> Mohammad Shohel, Curtin University
626	<b>Measuring menopause symptoms: A scoping review of existing tools</b> Joy Spark, University of New England
627	<b>Completeness of controlled drug prescribing in regional NSW</b> Joy Spark, University of New England
628	<b>Tablet crusher comparisons: Usability testing by people with and without limited hand function</b> Kathryn Steadman, The University of Queensland
629	<b>Management of non-healing mouth ulcer presentations in community pharmacies</b> Brigitte Janse van Rensburg, The University of Queensland
630	<b>Chronic disease, medications and lifestyle: Perceptions from a regional Victorian Indigenous Community</b> Joseph Tucci, La Trobe University
631	<b>Perceptions of credible drug information sources for Indigenous people attending a regional Aboriginal Health Service</b> Joseph Tucci, La Trobe University