

ePoster listing as at 22 November 2021

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Poster number		-#abstract number
Cardiovascular		
400	Senescence of cardiac and perirenal adipose tissue is increased by obesity and diabetes in mice -#400 Miss Maddison Ashford, Monash University	
401	Pharmacological inhibition or genetic deficiency of insulin regulated aminopeptidase (IRAP) protects against UUO-induced renal injury in mice -#307 oral abstracts Miss Sharenaya Chelvaretnam, Monash University	
402	The effect of human amnion epithelial cells in an experimental model of chronic stroke -#402 Miss Frances Deen, La Trobe University	
403	Benefit vs harm: How do statins stack up? -#403 Prof Simon Dimmitt, University of Western Australia	
404	A systematic review of adverse drug reactions or adverse drug events of heart failure treatment in frail older adults -#404 Ms Mai Duong, The University of Sydney	
405	Insulin regulated aminopeptidase (IRAP) inhibition attenuates diabetes-induced cardio-renal pathology and vascular dysfunction in mice -#309 oral abstracts Mr Cameron Hollands, Monash University	
406	Single cell transcriptomic profiling of the hypertensive mouse aorta -#216 oral abstracts Miss Tayla Hughes, La Trobe University	
408	Activation of the Angiotensin II Type 2 receptor prevents progression of cardiac fibrosis associated with hypertension and concomitant diabetes -#124 oral abstracts Miss Mandy Li, Monash University	
409	Metabolic profiling of mice with deletion of orphan GPCR, GPR37L1 -#214 oral abstracts Ms Margaret Mouat, UNSW Sydney	
410	Effect of the TRPC3/6 activator GSK1702934A on rodent isolated mesenteric arteries -#410 Dr Tim Murphy, University of NSW	
411	Cardiac recovery from ischaemia and mitochondrial responses with inhibition of trimethylamine-N-oxide in a murine model of pre-diabetes -#411 Mr Saba Naghipour, Griffith University	
412	Targeting formyl peptide receptors as a novel approach to treat hypertension-induced end-organ damage -#125 oral abstracts Mr Jaideep Singh, Monash University	
413	Developing a class of cardiac ryanodine receptor stabilising antiarrhythmics -#413 Miss Melanie Spratt, Queensland University of Technology	
414	Characterising a new and improved model of diet-induced metabolic syndrome -#414 Miss Vivian Tran, La Trobe University	
415	Sex and age alter cardiometabolic response following Polypharmacy in mice -#415 Ms Trang Tran, Kolling Institute of Medical Research and The University of Sydney	
416	Pharmacological inhibition of interleukin-18 prevents DOCA/salt-induced hypertension and renal inflammation -#416 Miss Buddhila Wickramasinghe, La Trobe University	
Clinical Pharmacology		
417	Re-evaluating plasma for tacrolimus therapeutic drug monitoring: Relationship between trough blood and plasma tacrolimus concentrations -#417 Miss Mirabel Alonge, The Basil Hetzel Institute for Translational Research	
418	Preliminary validation of a LC-MS/MS method to quantify dolutegravir in human plasma -#418 Miss Natalia Bordin Andriguetti, University of Adelaide	
419	Safety and tolerability of Annona muricata leaf product in people living with cancer: Research protocol for an open-label pilot study -#419 Miss Jocelin Chan, University of Sydney	
420	Effect of self-monitoring urate on allopurinol adherence -#131 oral abstracts Mr Jian Chan, UNSW Sydney	
421	Disease duration and remission in rheumatoid arthritis patients: Results from 5 phase III randomized clinical trials of tocilizumab -#421 Ms Dala Daraghme, University of South Australia	
422	A new multidomain frailty index and the hospital frailty risk score: Tools for pharmacoepidemiology in older inpatients -#422 Dr Kenji Fujita, The University of Sydney	
423	A population pharmacokinetic model to inform tacrolimus therapy in heart transplant recipients -#324 oral abstracts Ms Ranita Kirubakaran, UNSW Sydney	

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Clinical Pharmacology <i>continued</i>	
424	National roll-out: The goal-directed medication review electronic decision support system (G-MEDSS) in practice -#424 Dr Lisa Kouladjian O'Donnell, The University of Sydney
425	Opioid deprescribing guidelines: Moving from evidence to practice -#306 oral abstracts Ms Aili Langford, The University of Sydney
426	Polypharmacy and monotherapy treatments exacerbate frailty in mice measured using different assessment tools -#426 Dr John Mach, Kolling Institute of Medical Research and The University of Sydney
427	Quantification of ketamine, norketamine, and hydroxynorketamine by UHPLC-MS/MS in human blood plasma -#427 Dr Stefan Musolino, The University of Adelaide
428	(C)onsumer (E)ducation on p(A)racetamol (S)ide (E)ffects, i(N)adequate (O)utcomes and (W)eaning (CEASE NOW) for individuals with low back pain: Feasibility Protocol -#428 Mr Thomas Patterson, The University of Sydney
429	Deprescribing paracetamol in pain conditions: A scoping review -#129 oral abstracts Mr Thomas Patterson, The University of Sydney
430	Population pharmacokinetics of intravenous treosulfan in children receiving blood or bone marrow transplantation -#430 Mr Sebastian Rosser, The Children's Hospital at Westmead Clinical School
431	Developing guidelines for the appropriate use of psychotropic medications in people living with dementia and in residential aged care -#431 Dr Mouna Sawan, Monash University
432	Oral Mucositis, what have we learnt in the last two decades: A narrative review -#432 Ms Ella Shearing, The University of Sydney
433	Optimising adherence to allopurinol: Gout patients' perspectives -#433 Miss Jane Spragg, The University of Sydney
434	Formative evaluation of the Pharmacist-led Intervention for people with gout (PIN-gout) -#434 Miss Kristel Angela Talento, St Vincent's Hospital
435	Restriction of sodium in people with chronic kidney disease treated with empagliflozin (RESPECT-EMPA): Protocol of a randomised trial -#435 Miss Mansi Tiwary, UNSW Sydney
Drug Discovery	
436	Ligand-directed G protein coupling and downstream signalling of the GLP-1 -#208 oral abstracts Mr John Azietaku, Monash University
437	Exploring the binding kinetics of α1-adrenoceptor ligands -#437 Miss Georgia Crowley, UNSW Sydney
438	Incomplete apoptosis in non-stimulated MDA-MB-468 breast cancer cells -#438 Miss Trinh Hua, The University of Queensland
439	Relative contributions of GIPR activity in dual GLP-1R/GIPR agonist effects on whole-body metabolism -#439 Ms Vanessa Kee, Monash University
440	Triple negative breast cancer: Screening for the invasion amplifying cAMP-calcium feedforward loop mechanism -#440 Mr Terrance Lam, Monash University
441	GPR146: An orphan G protein-coupled receptor with atypical Class A motifs. -#441 Mr Alexander Lara-Watson, UNSW Sydney
442	M4344, a potent and selective ATR inhibitor, synergises with radiation and temozolomide in patient-derived glioblastoma cells -#442 Mr Mathew Lozinski, University of Newcastle
443	Differential signalling of the PAC1n and PAC1n-hip receptor splice isoforms -#443 Miss Jessica Lu, Monash University
444	Shining a light on localised cAMP signalling and ERK phosphorylation using a targeted optogenetic GPCR -#444 Miss Chantel Mastos, Monash University
445	RAMP modulation of calcitonin gene-related peptide (CGRP) family receptor function -#445 Miss Grace Mennen, Monash University
446	Activation of CC chemokine receptors CCR1 and CCR2 in THP-1 monocytes leads to reduced chemokine receptor expression and functional responses -#446 Ms Alexandra Morgan, Monash University
447	Less is more when it comes to allosteric modulation of the M1 muscarinic receptor -#211 oral abstracts Mrs Huong Nguyen, Monash University
448	Enhanced nitric oxide production by macrophages treated with SPSB-iNOS inhibitors conjugated to cell-penetrating peptides -#448 Mr Arfatur Rahman, Monash University

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Drug Discovery continued	
449	Small molecule Drp1 inhibitors for cardioprotection -#308 oral abstracts Ms Ayesah Augusta Rosdah, University of Melbourne
450	Investigating the activity and role of store operated calcium entry (SOCE) in a cellular model of senescence -#450 Mr Vijayraghavan Seshadri, University of Tasmania
451	GPCR-CoINPocket identifies peptide GPCR ligands with novel off-target activity on the β2 adrenoceptor -#304 oral abstracts Mr Sean So, UNSW Sydney
452	Beta-adrenoceptor signalling in pancreatic cancer cells -#452 Miss Mia Spark, Monash University
453	The cardiometabolic expression profile of the sweet taste receptor -#118 oral abstracts Miss Mariah Stavrou, UNSW Sydney
Drug Disposition and Response	
454	Targeting hypermutable Pseudomonas aeruginosa clinical isolates with inhaled aztreonam and tobramycin dosing regimens in a dynamic in vitro biofilm model -#217 oral abstracts Miss Siobhonne Breen, Monash University
455	Examination of unbound plasma, total plasma and whole blood tacrolimus in elderly kidney transplant recipients -#455 Ms Amelia Cossart, The University of Queensland
456	Chemotherapy insensitivity in a Novel Plasma-like Culture Medium, the Melbourne Medium -#456 Miss Wenjia Lu, The University of Melbourne
458	Effects of chronic polypharmacy and monotherapy on metabolic ratio, clearance, and its association with functional outcomes in aged mice -#458 Miss Jannessa Yao, The University of Sydney
Education Forum	
459	Exploring healthcare students motivations during online learning in the COVID-19 pandemic Mr Matthew Brunet, The University of Sydney -#459
460	Lecture recording use and association with academic outcomes in a pharmacology course -#460 Dr Sheila Doggrell, Doggrell Biomedical Communications
461	Impact of delivery modes during COVID-19 on student attainment of learning outcomes in pharmacology -#461 Assoc Prof Tina Hinton, The University of Sydney
462	Partnering with students: Reflections from an academic-led support program for international students -#462 Dr Nilushi Karunaratne, Monash University
463	Can multiple choice questions assess higher cognitive thinking? A comparative study of students' performance in online vs invigilated exams -#463 Dr Suong Ngoc Thi Ngo, The University of Adelaide
464	Hybrid teaching and learning: Technology and tools to facilitate students engagement -#464 Dr Suong Ngoc Thi Ngo, The University of Adelaide
465	Promoting more efficient in-semester revision in medical pharmacology using spaced repetition -#465 Dr Jessie Zhou, Monash University
Neuropharmacology	
466	Effects of co-treatment with common medications on paracetamol and olanzapine entry into developing rat brain -#466 Miss Yifan Huang, The University of Melbourne
467	Can the stroke recovery effect of zolpidem be mediated via alternative benzodiazepine binding sites? -#467 Mr Sze Hon Kan, The University of Sydney
468	Investigating functional selectivity at the tachykinin receptor family -#468 Ms Michaela Kaoullas, Monash University
469	Effect of chronic polypharmacy on motor balance and coordination in old-aged mice -#469 Dr Seung Jae Kim, Kolling Institute of Medical Research and The University of Sydney
470	Strain specific differences between C57Bl/6J and FVB/N mice in the photothrombotic model of stroke -#470 Miss Adriana Knezic, Monash University
471	A simple model of desensitization for analyzing epilepsy-associated GABAA receptor variants -#471 Miss Susan Lin, The University of Sydney
472	Quantifying biased agonism of Xanomeline and several muscarinic agonists at the M4 muscarinic receptor -#472 Mr Jack McDonald, Monash University
473	Developmental changes in brain entry of antiepileptic drugs, valproate and lamotrigine, in a rat model of epilepsy -#473 Ms Fiona Qiu, The University of Melbourne

Pharmacoepidemiology	
474	COVID-19 restrictions and the incidence and prevalence of prescription opioids in Australia -#310 oral abstract Ms Monica Jung, Monash University
475	Optimising the safe and effective use of opioids in general practice: Using the nominal group technique for research priority setting -#475 Ms Monica Jung, Monash University
476	The prevalence of frailty among older adults living with dementia: A systematic review -#476 Ms Linda Korja, The University of Sydney
477	Prevalence and risk factors for drug-related problems in people with dementia living in the community: A systematic review and meta-analysis -#477 Mr Chun Yin Edward Lau, The University of Sydney
478	Potentially inappropriate medications in older surgical inpatients -#478 Dr Jeff Wang, Centre for Education and Research on Ageing, Concord Hospital
Pharmacogenomics	
480	Pharmacogenetics in Papua New Guinea HIV patients beyond CYP2B6 -#480 Miss Helena Van Schalkwyk, The University of Adelaide
Respiratory and Inflammation	
481	Apocynin improves working memory impairments in a mouse model of Chronic Obstructive Pulmonary Disease -#321 oral abstracts Miss Alina Akhtar, RMIT University
482	Habitual cigarette smoke exposure evokes anxiety-like behaviour in mice which is associated with neuroinflammation and oxidative stress of the amygdala -#320 oral abstracts Mrs Rana Alateeq, RMIT University
483	A novel therapeutic approach for the concurrent treatment of chronic respiratory and cardiovascular disease -#483 Dr Kurt Brassington, RMIT University
484	ACE2 expression in organotypic airway epithelial cultures and asthmatic airways -#484 Ms Qianyu Chen, The University of Melbourne
485	Anti-Inflammatory influences of cystic fibrosis drug ivacaftor on lung inflammation -#485 Miss Kiera Harwood, The University of Melbourne
486	Targeting formyl peptide receptors as a novel approach to treat pulmonary hypertension -#486 Miss Chloe Landy, Monash University
487	In-vitro bronchodilation to FFA agonists TUG891 and GW8508 is maintained in mouse models of allergic airways disease and/or obesity -#487 Mr Dmytro Molchanov, Monash University
488	Ebselen negates viral-induced exacerbations of skeletal muscle dysfunction in cigarette smoke-exposed mice -#488 Mr Kevin Mou, RMIT University
489	Influenza A virus induces peri-vascular adipose tissue inflammation and vascular dysfunction in pregnant mice -#215 oral abstracts Mr Osezua Oseghale, RMIT University
Toxicology	
490	Paediatric ADHD medication exposures in Australia: A retrospective study, 2004-2019 -#490 Mrs Abrar Arbaeen, The University of Sydney
491	Aromatic amine metabolomic prediction in developing Ames test predictive models -#491 Mr Samuel Feeney, The University of Sydney
492	Biochemical changes in ram spermatozoa after in vitro exposure to common herbal supplements -#492 Miss Tayler Kent, Murdoch University
493	Towards a molecular docking approach for structure-based virtual screening of endocrine disrupting chemicals acting at the retinoic acid receptor -#493 Mr Raymond Lui, The University of Sydney
Urogenital and Gastrointestinal	
494	Flavonoid-statin interactions and the possible significance of OATP transport, CYP450 metabolism and mevalonate synthesis -#494 Mr Joshua Zechner, The University of Adelaide
495	Polypharmacy with high Drug Burden Index (DBI): Association with microbiome and global function in aged mice -#203 oral abstracts Miss Gizem Gemikonakli, Kolling Institute of Medical Research and The University of Sydney
496	Expression and localisation of mas-related G protein-coupled receptors F and D: A novel study in the human colon -#206 oral abstracts Mr Patrick Hawker, UNSW Sydney
497	Potentiating effect of tadalafil and sildenafil on vasodilation of the porcine superior vesical artery -#497 Mr Damian Nilsson, Bond University
498	Distinctive expression of MRGPRX2 in inflammatory bowel disease and acute diverticular disease; a renewed involvement of neuropeptides in colonic inflammation? -#498 Mr Ken Ee Teoh, UNSW Sydney
499	Multiple treatments with cyclophosphamide cause physiological changes to the murine urinary bladder -#499 Miss Eleanor West, Bond University