

## ePoster listing as at 22 November 2021

Supported by



The Microplate Reader Company

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

## ePoster listing

Supported by



The Microplate Reader Company

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

## ePoster listing

Supported by



Drug Discovery continued	
449	<b>Small molecule Drp1 inhibitors for cardioprotection</b> -#308 oral abstracts Ms Ayesah Augusta Rosdah, University of Melbourne
450	<b>Investigating the activity and role of store operated calcium entry (SOCE) in a cellular model of senescence</b> -#450 Mr Vijayraghavan Seshadri, University of Tasmania
451	<b>GPCR-CoINPocket identifies peptide GPCR ligands with novel off-target activity on the <math>\beta</math>2 adrenoceptor</b> -#304 oral abstracts Mr Sean So, UNSW Sydney
452	<b>Beta-adrenoceptor signalling in pancreatic cancer cells</b> -#452 Miss Mia Spark, Monash University
453	<b>The cardiometabolic expression profile of the sweet taste receptor</b> -#118 oral abstracts Miss Mariah Stavrou, UNSW Sydney
Drug Disposition and Response	
454	<b>Targeting hypermutable Pseudomonas aeruginosa clinical isolates with inhaled aztreonam and tobramycin dosing regimens in a dynamic in vitro biofilm model</b> -#217 oral abstracts Miss Siobhonne Breen, Monash University
455	<b>Examination of unbound plasma, total plasma and whole blood tacrolimus in elderly kidney transplant recipients</b> -#455 Ms Amelia Cossart, The University of Queensland
456	<b>Chemotherapy insensitivity in a Novel Plasma-like Culture Medium, the Melbourne Medium</b> -#456 Miss Wenjia Lu, The University of Melbourne
458	<b>Effects of chronic polypharmacy and monotherapy on metabolic ratio, clearance, and its association with functional outcomes in aged mice</b> -#458 Miss Jannessa Yao, The University of Sydney
Education Forum	
459	<b>Exploring healthcare students motivations during online learning in the COVID-19 pandemic</b> Mr Matthew Brunet, The University of Sydney -#459
460	<b>Lecture recording use and association with academic outcomes in a pharmacology course</b> -#460 Dr Sheila Doggrell, Doggrell Biomedical Communications
461	<b>Impact of delivery modes during COVID-19 on student attainment of learning outcomes in pharmacology</b> -#461 Assoc Prof Tina Hinton, The University of Sydney
462	<b>Partnering with students: Reflections from an academic-led support program for international students</b> -#462 Dr Nilushi Karunaratne, Monash University
463	<b>Can multiple choice questions assess higher cognitive thinking? A comparative study of students' performance in online vs invigilated exams</b> -#463 Dr Suong Ngoc Thi Ngo, The University of Adelaide
464	<b>Hybrid teaching and learning: Technology and tools to facilitate students engagement</b> -#464 Dr Suong Ngoc Thi Ngo, The University of Adelaide
465	<b>Promoting more efficient in-semester revision in medical pharmacology using spaced repetition</b> -#465 Dr Jessie Zhou, Monash University
Neuropharmacology	
466	<b>Effects of co-treatment with common medications on paracetamol and olanzapine entry into developing rat brain</b> -#466 Miss Yifan Huang, The University of Melbourne
467	<b>Can the stroke recovery effect of zolpidem be mediated via alternative benzodiazepine binding sites?</b> -#467 Mr Sze Hon Kan, The University of Sydney
468	<b>Investigating functional selectivity at the tachykinin receptor family</b> -#468 Ms Michaela Kaoullas, Monash University
469	<b>Effect of chronic polypharmacy on motor balance and coordination in old-aged mice</b> -#469 Dr Seung Jae Kim, Kolling Institute of Medical Research and The University of Sydney
470	<b>Strain specific differences between C57Bl/6J and FVB/N mice in the photothrombotic model of stroke</b> -#470 Miss Adriana Knezic, Monash University
471	<b>A simple model of desensitization for analyzing epilepsy-associated GABAA receptor variants</b> -#471 Miss Susan Lin, The University of Sydney
472	<b>Quantifying biased agonism of Xanomeline and several muscarinic agonists at the M4 muscarinic receptor</b> -#472 Mr Jack McDonald, Monash University
473	<b>Developmental changes in brain entry of antiepileptic drugs, valproate and lamotrigine, in a rat model of epilepsy</b> -#473 Ms Fiona Qiu, The University of Melbourne

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