



Victorian Infection
& Immunity Network

Young Investigator Symposium

Friday 14th November 2025

Monash Institute of Pharmaceutical Sciences
Royal Parade, Parkville

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Program-at-a-Glance 2025

FRIDAY 14 NOVEMBER		
Time	Session	Location
08:15 – 08:50	Registration (Includes transit time to Lecture Theatres)	Sisson's Foyer in Cossar Hall
08:50 – 09:00	Welcome and Acknowledgement of Country	Lecture Theatre 1
09:00 – 09:45	Session 1: Oral Presentations Theme: Infection Mechanisms and Host Responses	Lecture Theatre 1
09:45 – 10:20	Session 2: Keynote Speaker, Dr Marcel Doerflinger – Laboratory Head, Walter and Eliza Hall Institute	Lecture Theatre 1
10:20 – 11:00	Morning Tea (Includes transit time from and to Lecture Theatres)	Cossar Hall
11:00 – 11:40	Session 3: Oral Presentations Theme: Diagnosing and Targeting Disease	Lecture Theatre 1
11:40 – 12:30	Session 4: Science Bites I	Lecture Theatre 1
12:30 – 13:40	Lunch and Poster Session I (Includes transit time from and to Lecture Theatres)	Cossar Hall
13:40 – 14:20	Session 5: Oral Presentations Theme: Adaptive and Cellular Immunity	Lecture Theatre 1
14:20 – 14:55	Session 6: Science Bites II	Lecture Theatre 1
14:55 – 15:30	Session 7: Keynote Speaker, Dr Nancy Wang – Laboratory Head, Murdoch Children's Research Institute	Lecture Theatre 1
15:30 – 16:10	Afternoon Tea (Includes transit time from and to Lecture Theatres)	Cossar Hall
16:10 – 16:40	Session 8: Science Bites III	Lecture Theatre 1
16:40 – 17:20	Session 9: Oral Presentations Theme: Responses to Infection and Treatment	Lecture Theatre 1
17:20 – 17:30	Thanks and Announcements	Lecture Theatre 1
17:30 – 18:45	Evening Networking and Poster Session II (Includes transit time from Lecture Theatres)	Cossar Hall
18:45 – 19:00	Prizes, Acknowledgements and Conclusion – Including Hartland Oration Prize winner for 2025 Presented by VIIN Co-Convenors: Prof Gilda Tachedjian and Prof Richard Ferrero	Cossar Hall

Program is preliminary and may be subject to change (current version 251106)

Friday 14 November: 8.15 am – 7.00 pm

Time	Session	Location
08:15 – 08:50	Registration (Includes transit time to Lecture Theatres)	Sisson's Foyer in Cossar Hall
08:50 – 09:00	Welcome and Acknowledgement of Country Chairs: Aaron Brice and Stella Liong	Lecture Theatre 1
09:00 – 09:45	Session 1: Oral Presentations Theme: Infection Mechanisms and Host Responses Chairs: Simona Seizova and Naveen Vankadari	Lecture Theatre 1
09:00	Defining how macrophages drive OLAH-mediated life-threatening influenza disease Deborah Gebregzabher, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
09:10	Determinants of innate immune cytokine responses in pre-school children Rutger Röring, Infection, Immunity and Global Health, Murdoch Children's Research Institute; Early Career Researcher	
09:20	Proteasome dependent degradation of type I interferon signalling factors during <i>Shigella flexneri</i> infection Anita Chaulagain, Centre for Innate Immunity and Infectious Diseases (CiiID), Hudson Institute of Medical Research & Monash University; PhD Student	
09:30	Structural basis of DNA sliding clamp-mediated long-range gene silencing on a multi-drug resistance plasmid Thomas McLean, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; Early Career Researcher	
09:45 – 10:20	Session 2: Keynote Speaker – Dr Marcel Doerflinger Laboratory Head, Walter and Eliza Hall Institute Chairs: Emily Eriksson and Simona Seizova	Lecture Theatre 1
09:45	How to become a Laboratory Head...for Dummies (myself) Dr Marcel Doerflinger Laboratory Head, Infection and Global Health Division, Walter and Eliza Hall Institute of Medical Research	
10:10	Q&A	
10:20 – 11:00	Morning Tea (Includes transit time from and to Lecture Theatres)	Cossar Hall
11:00 – 11:40	Session 3: Oral Presentations Theme: Diagnosing and Targeting Disease Chairs: Christophe Macri and Sampa Sarkar	Lecture Theatre 1
11:00	A Rapid Point-Of-Care Self-Test For Liver Disease Angus Watson, Life Sciences, Burnet Institute; Research Assistant	
11:10	Evidence for repurposing pirfenidone to treat viral exacerbations of COPD based on a novel precision-cut lung slice model Julia Chitty, Department of Pharmacology, Monash Biomedicine Discovery Institute, Monash University; Early Career Researcher	

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11:20	The voltage dependent ion channel is an essential mitochondrial protein in malaria parasites Mitchell Trickey, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; Early Career Researcher	
11:30	Repurposing human medicines as novel antimalarials against <i>Plasmodium falciparum</i> malaria Khoi Nguyen, Burnet Institute & Department of Microbiology and Immunology, University of Melbourne; Masters Student	
11:40 – 12:30	Session 4: Science Bites I Chairs: Damian Oyong and Ghizal Siddiqui	Lecture Theatre 1
11:42	Validation of Solvent Proteome Profiling for Antimalarial Drug Target Deconvolution Yijia (Jessica) Ji, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; Research Assistant	
11:45	Expansion microscopy reveals how Kelch 13 mutations impair feeding in artemisinin resistant <i>Plasmodium</i> parasites Long Huynh, Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student	
11:48	Dual inhibition of Plasmepsins IX and X in <i>Plasmodium falciparum</i> sporozoites inhibits development within <i>Anopheles stephensi</i> mosquitoes Elena Lantero Escolar, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; Early Career Researcher	
11:51	Development of next-generation mRNA vaccines against malaria Jiaqi Shi, Life Sciences, Burnet Institute; Masters Student	
11:54	PfPTRAMP-CSS as a multi-stage malaria vaccine target Pailene Lim, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student	
11:57	Enhanced immunogenicity in mouse by recombinant BCG prime and protein boost based on latency antigen Rv1733c and/or reactivation antigen RpfE Mitra Ashayeripana, Department of Microbiology, Shahid Beheshti University, Iran; Early Career Researcher	
12:00	Multi-Dot/Icm effector deletion mutants reveal distinct host transcriptional responses in <i>Legionella pneumophila</i> infected macrophages Rachelia Raissa Wibawa, Centre for Innate Immunity and Infectious Diseases (CiiID), Hudson Institute of Medical Research; Early Career Researcher	
12:03	Reprogramming Bacterial Autotransporters: Turning Pathogenesis into Therapeutics Kaitlin Clarke, La Trobe Institute for Molecular Science (LIMS), Department of Biochemistry and Chemistry, La Trobe University; PhD Student	
12:06	Bacterial membrane vesicles promote horizontal gene transfer in <i>Helicobacter pylori</i> Christopher McCrory, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; Early Career Researcher	
12:09	Identification of immunomodulatory proteins in <i>Helicobacter pylori</i>-derived extracellular vesicles Kavitha Wilson Rajaratnam, Centre for Innate Immunity and Infectious Diseases (CiiID), Hudson Institute of Medical Research; Honours Student	

12:12	Light-induced circadian rhythm disruption protects the host from <i>Clostridioides difficile</i> infection Desirel Ng, Department of Microbiology, Monash Biomedicine Discovery Institute, Monash University; PhD Student	
12:15	AIMing for <i>Streptococcus pyogenes</i>-specific memory T cells before and after experimental human challenge Sabrina Bush, Department of Immunology, Monash University; Research Assistant	
12:18	Barbet: A Deep Learning Approach to Bacterial Taxonomic Classification Wytamma Wirth, Peter Doherty Institute for Infection and Immunity, University of Melbourne; Early Career Researcher	
12:30 – 13:40	Lunch and Poster Session I (Includes transit time from and to Lecture Theatres) See below for more information	Cossar Hall
13:40 – 14:20	Session 5: Oral Presentations Theme: Adaptive and Cellular Immunity Chairs: Paul Gill and Dimitra Chatzileontiadou	Lecture Theatre 1
13:40	Revealing dose and repeat effects of a novel Influenza vaccine on humoral immunity Ludivine Grzelak, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; Early Career Researcher	
13:50	Targeted Depletion of CCR6+ Cells Elicits Robust Therapeutic Effects Across Multiple Autoimmune Diseases Md Jahangir Alam, Department of Physiology, Monash Biomedicine Discovery Institute, Monash University; Early Career Researcher	
14:00	Single-Cell Analysis Reveals the Precise Timing of T Lineage Commitment in the Thymus Dhruti Parikh, Department of Medicine, University of Melbourne & St Vincent's Institute; PhD Student	
14:10	Targeted Regulatory T Cells to Treat Autoimmune Small Vessel Vasculitis Elean Tay, Department of Medicine, Monash University; PhD Student	
14:20 – 14:55	Session 6: Science Bites II Chairs: Louis Perriman and Natalia Sampaio	Lecture Theatre 1
14:22	Immunomodulatory Lipid Nanoparticles to Treat Experimental Glomerulonephritis Dian Hasanah, Centre for Inflammatory Diseases, Department of Medicine, Monash University; PhD Student	
14:25	Harnessing MR1 Antigen Presentation with a Ligand-Restricted Nanobody for Immune Manipulation Hisham Shakir, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
14:28	Suppressing the Suppressors – New Antibody Strategies in Cancer Immunotherapy Galih Adhyatma, Department of Physiology, Monash Biomedicine Discovery Institute, Monash University; PhD Student	

14:31	Pre-existing humoral immunity and comorbidity-associated inflammatory signatures shape responses toward seasonal influenza vaccination in Australian First Nations people Morgan Skinner, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
14:34	Influenza A virus drives TLR-dependent inflammatory responses in non-small cell lung cancer Isabella Rosano, School of Health and Biomedical Sciences, RMIT University; Honours Student	
14:37	Beta-blockade reshapes the tumour immune landscape to enhance chemotherapy control of triple-negative breast cancer progression Md Amir Hossain, Drug Discovery Biology, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student	
14:40	Selecting β-synuclein epitopes for a targeted regulatory T cell therapy for progressive multiple sclerosis Grace Osmond, Centre for Inflammatory Diseases, Monash University; Honours Student	
14:43	Designing Improved Diagnostic Assays for IBDV Detection in Australia Jesse Thomas, CSIRO & School of Life and Environmental Sciences, Deakin University; PhD Student	
14:47	Development of a rapid point-of-care test for active syphilis Patrick Bajan, Burnet Diagnostics Initiative, Burnet Institute; Research Assistant	
14:55 – 15:30	Session 7: Keynote Speaker – Dr Nancy Wang Laboratory Head, Murdoch Children's Research Institute Chairs: Isabelle Foo and Kevin Lee	Lecture Theatre 1
14:55	From mouse to human: harnessing CD4+ T cell-mediated immunity against <i>Salmonella</i> Dr Nancy Wang Ruth Bishop Fellow and Team Leader, Infection, Immunity and Global Health, Murdoch Children's Research Institute & Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne & Department of Paediatrics, Melbourne Medical School, University of Melbourne	
15:20	Q&A	
15:30 – 16:10	Afternoon Tea (Includes transit time from and to Lecture Theatres)	Cossar Hall
16:10 – 16:40	Session 8: Science Bites III Chairs: Michelle Chonwerawong and Caroline Soliman	Lecture Theatre 1
16:12	Investigation of microbe associated antibody cross-reactivity in SARS-CoV-2 Nucleocapsid immune response Joshuah Fialho, School of Health and Biomedical Sciences, RMIT University; PhD Student	
16:15	Bispecific IgG4 display epitope-dependent ability to bind and mediate Fc effector functions against SARS-CoV-2 Carissa Aurelia, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
16:18	First molecular insight into HLA-C contribution to COVID-19 outcome You Min Ahn, Department of Biochemistry and Chemistry, La Trobe University; PhD Student	

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16:21	Defining molecular gene profiles that underpin superior antiviral CD8+ T cell immunity in nonagenarians and centenarians Tejas Menon, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
16:24	A High-Dimensional Flow Cytometry Profiling on Peripheral Blood Mononuclear Cells of Transitioning Transgender Individuals Den Celestra, Murdoch Children's Research Institute & Department of Paediatrics, University of Melbourne; Masters Student	
16:27	Decoding chronic urinary tract infections: A predictive multi-omic trio of bladder transcriptomics, urinary metabolomics, and the gut microbiome Theresa Nguyen, Department of Immunology, Monash University; PhD Student	
16:30	Altered gastrointestinal permeability and immune profiles in the Shank3B-/- mouse model of autism and modulation by the microbial metabolite-sequestering drug, AB-2004 Vic Lin, School of Health and Biomedical Sciences, RMIT University; PhD Student	
16:33	Macrophage heterogeneity influences cellular response to HIV infection and latency modulation Laura Rikard-Bell, Life Sciences, Burnet Institute; PhD Student	
16:36	Selective viral modulation of IFN-regulated genes to suppress antiviral genes while permitting pro-viral gene expression Alebachew Kebede, Department of Microbiology, Monash Biomedicine Discovery Institute, Monash University; PhD Student	
16:40 – 17:20	Session 8: Oral Presentations Theme: Responses to Infection and Treatment Chairs: Ash Rogers and Sarah Ashley	Lecture Theatre 1
16:40	Macrophages play critical roles in MR1 antigen presentation and regulation of MAIT cell immunity against bacteria Xiaoyue Zhang, Peter Doherty Institute for Infection and Immunity, University of Melbourne; PhD Student	
16:50	Memory B cells and plasmablasts expand following experimental infection with <i>Streptococcus pyogenes</i> in humans Holly Fryer, Department of Immunology, Monash University; PhD Student	
17:00	Dynamic Single-Cell Microfluidics Uncovers Heterogeneous Mechanisms of Response to Anti-PD-1 Therapy Wei-Che Chang, Integrated Photonics and Applications Centre (InPAC), RMIT University; PhD Student	
17:10	Pro-apoptotic Agents Reduce Chronic HIV Infection <i>in vivo</i> Le Wang, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student	
17:20 – 17:30	Thanks and Announcements Chairs: Aaron Brice and Stella Liong	Lecture Theatre 1
17:30 – 18:45	Evening Networking and Poster Session II (Includes transit time from Lecture Theatres) See below for more information	Cossar Hall
18:45 – 19:00	Prizes, Acknowledgements and Conclusion – Including Hartland Oration Prize winner for 2025 Presented by VIIN Co-Convenors: Prof Gilda Tachedjian and Prof Richard Ferrero	Cossar Hall

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Poster Session I: 12.30 pm – 1.40 pm

12:30 – 13:40	Lunch and Poster Session I (Includes transit time from and to Lecture Theatres) Poster judging to be finalised by 13:20	Cossar Hall
Poster Number	Poster Details	
1	Mechanism-based modelling of antibiotic effects on <i>Pseudomonas</i> strains with different resistance mechanisms Alice Terrill, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student	
2	Exploring the hepatoprotective role of glucagon Ashish Foollee, Department of Biochemistry and Molecular Biology, Monash Biomedicine Discovery Institute, Monash University; PhD Student	
3	Exploring a possible role for immune-responsive gene 1 (IRG1) in modulating influenza A virus replication Shirley Lin, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
4	Evaluation of Neglected Tropical Diseases exposure in an urban population cohort in Quito, Ecuador Belen Prado-Vivar, Walter and Eliza Hall Institute of Medical Research & Department of Infectious Diseases, University of Melbourne; PhD Student	
5	Cross-serotypically conserved epitope recommendations for a universal T cell-based dengue vaccine Syed Faraz Ahmed, Peter Doherty Institute for Infection and Immunity & Department of Electrical and Electronic Engineering, University of Melbourne; Early Career Researcher	
6	Exploring the natural resistance of juvenile abalone to haliotid herpesvirus (HaHV-1) infection: The role of algae Jacinta Agius, Department of Microbiology, Anatomy, Physiology and Pharmacology, La Trobe University; PhD Student	
7	Cedar virus and Salt Gully virus are capable of viral mRNA editing during henipavirus infection Emily Dowling, Australian Centre for Disease Preparedness (ACDP), CSIRO & Deakin University; PhD Student	
8	Exploring SAMHD1 as a cross-species restriction factor against Herpesvirus in cattle and humans Yongyan Xia, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
9	Beyond Storage: Lipid droplets as novel extracellular communicators in flavivirus infection Irumi Amarasinghe, La Trobe Institute for Molecular Science (LIMS), La Trobe University; PhD Student	
10	Transport of Japanese Encephalitis Virus neutralising monoclonal antibodies across the blood-brain barrier Rachel Evans, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	

11	Characterisation of novel bat pararubulavirus identified in Australian <i>Pteropus</i> bat urine Abbey Pay, Health and Biosecurity, CSIRO & Life and Environmental Sciences, Deakin University; Honours Student
12	Cancer-related gene expression in bat retrovirus infection Nancy Wilson, Life Sciences, Burnet Institute; Honours Student
13	Development of an <i>ex vivo</i> airway epithelium model to study bat innate immune responses Mithun Das, Health and Biosecurity, CSIRO; Early Career Researcher
14	Breaking the Barrier: The IL-33-ILC2 axis drives severe urinary tract infections Ashleigh Paschek, Department of Immunology, Monash University; PhD Student
15	Structural basis of biofilm formation by the oral pathogen <i>Treponema denticola</i> Bindusmita Paul, Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student
16	Structural and functional characteristics of <i>Legionella</i> effectors targeting mitochondria Brenda (Yee Wa) Lim, School of Chemistry, University of Melbourne; PhD Student
17	Subcellular localisation of RNA-binding effectors from <i>Legionella pneumophila</i> Daniela Lambrechts, Centre for Innate Immunity and Infectious Diseases (CiiID), Hudson Institute of Medical Research & Monash University; Honours Student
18	Prior <i>S. aureus</i> colonisation impacts future immune responses to invasive <i>S. aureus</i> infections Jessica Braverman, Department of Microbiology and Immunology, University of Melbourne; PhD Student
19	Detection and Characterization of Antimicrobial Resistance Genes in Mothers and Infants During the First Year of Life Aseel Al-Araji, School of Medicine, Deakin University; PhD Student
20	Disruption of <i>mecR</i> impairs <i>MecA</i>-mediated cephamycin resistance in <i>Clostridioides difficile</i> Georgia-Rose Gilmore, Department of Microbiology, Monash Biomedicine Discovery Institute, Monash University; PhD Student
21	Simple sequence repeats power <i>Staphylococcus aureus</i> adaptation Ashleigh Hayes, Department of Microbiology and Immunology, University of Melbourne; Research Assistant
22	Aztreonam plus ciprofloxacin synergistically kills resistant <i>Pseudomonas aeruginosa</i> strains Charlotte Picton, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student
23	Investigating the immunomodulatory and clinical effects of fermentable fibre intervention to reduce symptoms of Long COVID Joel Jefi Varghese, Department of Immunology, Monash University; Honours Student
24	Investigating the impact of diet on invasive fungal infection outcomes Antara Ghoshal, Monash Biomedicine Discovery Institute, Monash University; PhD Student

25	Genetic dissection of <i>Toxoplasma</i> differentiation Amalie Jayawickrama, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student
26	Ecological Surveillance of <i>Mycobacterium ulcerans</i> (MU) in Urban Possums and Development of a CRISPR-SHERLOCK MU Assay Pranab Paul, CSIRO & School of Medicine, Deakin University; PhD Student
27	Dissecting Host Manipulation by <i>Cryptosporidium</i> Lena Chng, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student
28	Investigating the role of Kelch-13 during sexual development in <i>P. falciparum</i> Sophie Collier, Department of Biochemistry and Pharmacology, University of Melbourne; Early Career Researcher
-	[29 moved to evening poster session]
30	Investigating Antibody Responses to Endothelial Protein C Receptor Binding <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 Associated with Severe Malaria in Children Daniel Getacher Feleke, Peter Doherty Institute for Infection and Immunity, Department of Infectious Diseases, University of Melbourne; PhD Student
31	The Effects of N6 methyladenosine on the Proteome of the Malaria Parasite <i>Plasmodium falciparum</i> Lakvin Fernando, Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student
32	Mechanistic insights into repurposed compounds as potential antimalarials Chris Taylor, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student
33	Predicting the impact of antimalarial resistance in West African parasites Rachael Yong, Life Sciences, Burnet Institute & School of Medicine, Deakin University; PhD Student
34	Impacts of apicoplast-targeting antibiotics on dihydroartemisinin activation in <i>Plasmodium falciparum</i> Zoe Tregloan-Dunn, Bio21 Institute, University of Melbourne; Undergraduate Student
35	Investigating primary and recall humoral immune responses in malaria and the role of type I interferon signalling Agustiningsih Agustiningsih, Life Sciences, Burnet Institute; PhD Student
36	Investigating the role of Kelch 13 protein in <i>Plasmodium falciparum</i> gametocytes Haowen Deng, Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student
37	Investigating the activation of new permeability pathways in <i>Plasmodium falciparum</i> infected erythrocytes Nadine Djunaedi, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student
38	Antibody-dependent activation of NK cells as a potential correlate of protection from placental malaria: Insights from Malawi and PNG cohorts with varying infection status at enrolment Yvonne Dube, Department of Infectious Diseases, University of Melbourne; PhD Student

39	Identification of B cell epitopes in serological exposure markers for improved <i>Plasmodium vivax</i> surveillance Hanqing Zhao, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student
40	Unfolding malaria parasite biology: targeting protein disulphide isomerases to block <i>Plasmodium</i> invasion and transmission Senna Steen, Life Sciences, Burnet Institute & Monash University; PhD Student
41	γδ T cell receptor recognition of CD1d in a lipid-independent manner Michael Rice, Department of Biochemistry and Molecular Biology, Monash Biomedicine Discovery Institute, Monash University; Early Career Researcher
42	Runx3 acts as a rheostat for CD8+ tissue-resident memory T cell formation in the liver James Dossier, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student
43	Exploration of small intestine and colon plasma cell survival heterogeneity Youngmin Lee, Department of Immunology, Monash University; Honours Student
44	Investigating T cell responses to a nested peptide Georgia Dow, Department of Biochemistry and Chemistry, La Trobe University; PhD Student
45	Immune Cell Robbery: Tracking Dendritic Cell-to-B Cell Material Transfer Laura Almagro, Bio21 Institute & Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student
13:25	Judging to be finalised
13:40	[Return to main program above]

Poster Session II: 5.30 pm – 6.45 pm

17:30 – 18:45	Evening Networking and Poster Session II (Includes transit time from Lecture Theatres) Poster judging to be finalised by 18:20	Cossar Hall
Poster Number	Poster Details	
29	Identifying novel antibody biomarkers of Asian-Pacific <i>Anopheles</i> vector bite exposure for malaria transmission surveillance Ashleigh Heng-Chin, Life Sciences, Burnet Institute; PhD Student	
46	Evaluating cell:cell antiviral protection by <i>Wolbachia</i> in <i>Aedes aegypti</i> cells Katrina Ibay, Life Sciences, Burnet Institute; PhD Student	
47	Investigating the mechanism of viral control in HIV-infected individuals Jamie Tuibeo, La Trobe Institute for Molecular Science (LIMS), La Trobe University; PhD Student	
48	Understanding viral and host determinants that influence infection outcomes for influenza A virus in human macrophages Kevin Tang, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
49	Differential temporal immune responses to influenza A virus and PRR stimulation in lung epithelial versus macrophage cells Ameanah El-Hennawi, School of Health and Biomedical Sciences, RMIT University; PhD Student	
50	Immune profiling of severe and fatal influenza infections in First Nations patients with multimorbidities Lilith Allen, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
51	Defining conserved sites of vulnerability on the Influenza B HA Using Human Monoclonal Antibodies Yee-Chen Liu, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
52	Modelling a microphysiological system to mimic pig lymph nodes Dijina Swaroop, Australian Centre for Disease Preparedness (ACDP), CSIRO; Early Career Researcher	
53	Lymph node entrapment of CD8+ T cells underlies lymphopenia in severe influenza disease Aira Cabug, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student	
54	Further insights into asymptomatic outcome after SARS-CoV-2 in HLA-B*15:01+ individuals Lawton Murdolo, Department of Biochemistry and Chemistry, La Trobe University; PhD Student	
55	Selective Endocytosis-mediated Omicron S1-RBD Internalization Revealed by Reconstitution of ACE2-S1-RBD Interaction on Micropatterned Membrane Substrates Angelina Philip, College of Health and Life Sciences, Hamad Bin Khalifa University, Qatar; Early Career Researcher	

56	Preclinical Evaluation of Cytokine-Adjuvanted MVA Vaccines Encoding SARS-CoV-2 Antigens Wanxiaojie (Jessie) Xie, Department of Microbiology and Immunology, University of Melbourne; Early Career Researcher
57	Leveraging RNA-based approaches to develop new therapies and discovery tools to overcome current treatment limitations for HTLV-1 Lena Scherer, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student
58	The investigation of the T cell receptor diversity of skin-resident and circulating CD8+ T cells in psoriasis patients Jingran Ye, Monash Biomedicine Discovery Institute, Monash University; PhD Student
59	Persistent low antigen in chronic infections sustain a potent CD8+ effector T cell response which leads to severe immunopathology Sining Li, Peter Doherty Institute for Infection and Immunity, University of Melbourne; PhD Student
60	A Novel Targeted Regulatory T Cell Therapy for HLA-DR3-associated Systemic Lupus Erythematosus Jessica Whui Yui Wu, School of Clinical Sciences at Monash Health, Monash University; PhD Student
61	Understanding the Development of Terminally Exhausted T cells Kwan Ho Leung, Peter Doherty Institute for Infection and Immunity, University of Melbourne; Masters Student
62	γδ T cell-derived IL-4 initiates CD8 T cell immunity Shirley Le, Peter Doherty Institute for Infection and Immunity, University of Melbourne; PhD Student
63	Ly108 Preserves CD8+ T Cell Fitness Under Chronic Antigen Stimulation Louis Lee, Peter Doherty Institute for Infection and Immunity, Department of Microbiology and Immunology, University of Melbourne; PhD Student
64	miRNA expression of bovine CD4+, CD8+ and γδ T cells Georgia Kennedy, Australian Centre for Disease Preparedness (ACDP), CSIRO & Charles Sturt University; PhD Student
65	Mechanisms of Antigen Presentation and CD8 T cell Priming by mRNA Vaccines Atefeh Yaftiyan, Peter Doherty Institute for Infection and Immunity, University of Melbourne; PhD Student
66	Crohn's associated invariant T cells recognise small benzofuran-sulfonate molecules with self-lipids on CD1d Alison White, Department of Microbiology and Immunology, University of Melbourne; PhD Student
67	Harnessing the immunotherapeutic potential of MAIT cells with a novel MAIT TCR nanobody Ryan Harper, Department of Microbiology and Immunology, University of Melbourne; PhD Student
68	Identification of the skin cells specialised in MR1 antigen presentation to MAIT cells Atieh Mousavizadeh, Peter Doherty Institute for Infection and Immunity, University of Melbourne; PhD Student

69	Identification of checkpoint markers, cancer pathways and cancer genes in a mouse model of chronic colitis: Implications for new cancer biomarkers Ramya Ephraim, School of Health and Biomedical Sciences, RMIT University; PhD Student
70	Bispecific antibody approach to harness dendritic cells in cancer immunotherapy Marco Velázquez Delgado, Monash Biomedicine Discovery Institute, Monash University; Masters Student
71	Loss of expression of the tumour surveillance protein NLRC5 in chief cells undergoing transdifferentiation in <i>Helicobacter pylori</i>-associated carcinogenesis Xiaohu Zhao, Centre for Innate Immunity and Infectious Diseases (CiiID), Hudson Institute of Medical Research & Monash University; PhD Student
72	Cancer-Microbiome interface: Novel Phage Therapy by Targeting <i>Fusobacterium nucleatum</i> in Gastrointestinal Cancer Birhanu Jemere, Olivia Newton-John Cancer Research Institute (ONJCRI) & La Trobe University; PhD Student
73	Sex-specific immune resilience to DSS-induced colitis in the Nlgn3R451C mouse model of autism Angela Renata Jimenez-Perez, School of Health and Biomedical Sciences, RMIT University; PhD Student
74	Functional Assessment of the NOD2 Signalling Pathway in Patients with Inborn Errors of Immunity Ebony Blight, Department of Immunology, Monash University; PhD Student
75	Temporal proteomic profiling reveals novel IRAK3 interactors in Toll-like receptor signalling Cassandra Cianciarulo, Holsworth Biomedical Research Centre, La Trobe University; PhD Student
76	The protective effect of breastfeeding on infant inflammation: a mediation analysis of the plasma lipidome and metabolome Toby Mansell, Inflammatory Origins, Murdoch Children's Research Institute; Early Career Researcher
77	Immune Cell Necroptosis Restrains Cutaneous Inflammation: Implications for Therapeutic Targeting Holly Anderton, Inflammation, Walter and Eliza Hall Institute of Medical Research; Early Career Researcher
78	Structural Insights into KvrA: A MarR Homologue that Senses and Responds to Copper Stress Stephanie Penning, La Trobe Institute for Molecular Science (LIMS), La Trobe University; PhD Student
79	The <i>Burkholderia</i> T6SS-5 and oxidative stress responses during infection Jiaying Yang, Hudson Institute of Medical Research & Department of Molecular and Translational Science, Monash University; PhD Student
80	Investigating the role of O-GlcNAcylation in regulating Dendritic cell maturation Bjorn Wee, Department of Biochemistry and Pharmacology, University of Melbourne; PhD Student
81	Role of Ubiquitination in <i>Toxoplasma</i> Differentiation Karan Singh, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student

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82	Understanding metabolic sensing during <i>Toxoplasma</i> differentiation Amber Simonpietri, Infection and Global Health, Walter and Eliza Hall Institute of Medical Research; PhD Student	
83	Mapping protein complexes to reveal new functions in the malaria parasite Zhaochun Li, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student	
84	Characterising monoclonal antibodies to placental malaria antigen, VAR2CSA Vivin Kokuhennadige, Peter Doherty Institute for Infection and Immunity, Department of Infectious Diseases, University of Melbourne; PhD Student	
85	Cross-reactive Immunity to VAR2CSA Antigen in Placental Malaria Pragya Kumar, Department of Medicine at Royal Melbourne Hospital, University of Melbourne; Masters Student	
86	Uncovering the mechanism of action of second generation bis-triazines, a potent new class of antimalarials Jennifer Le, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student	
87	Improving the capacity of vaccine-induced antibodies to arrest the growth of <i>Plasmodium falciparum</i> Alysha Literski, Burnet Institute & School of Translational Medicine, Monash University; PhD Student	
88	Antibody-dependent neutrophil phagocytosis of <i>Plasmodium falciparum</i> infected erythrocytes is mediated by FcγRIIa Maria Saeed, Department of Infectious Diseases, University of Melbourne; PhD Student	
89	Metabolic Tracing in <i>P. falciparum</i> Using a Stable Isotope Labelling Strategy Junwei Tang, Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences (MIPS), Monash University; PhD Student	
90	Hydrogel Loaded with Endometrial Mesenchymal Stem Cells Alleviates Birth Injury in a Sheep Model Ayenew Abawa, Hudson Institute of Medical Research & Department of Obstetrics and Gynaecology, Monash University; PhD Student	
18:20	Judging to be finalised	
18:45 – 19:00	Prizes, Acknowledgements and Conclusion Presented by VIIN Co-Convenors: Prof Gilda Tachedjian and Prof Richard Ferrero	Cossar Hall