65th ASMR National Scientific Conference

Day 1: 16th November 2026

Time	Event	In parallel
08:00 – 08:45	Registration desk open	Poster set up
08:45 – 09:00	Opening ceremony	
09:00 – 09:45	**Plenary talk – Distinguished Professor Madhu Bhaskaran** "Bridging the Gap: Cross-Sector Partnerships to Translate Soft Electronic and Biosensor Technologies"	
09:45 – 10:05	Morning tea	
10:05 – 11:40	**Oral presentations session #1** *Bioengineering, devices & digital health* (9 talks x 10 min)	
11:40 – 12:15	**Invited MCR talks** — Dr Anna Wang, Assoc Prof Alisa Glukhova	
12:15 – 12:30	**Peter Doherty Leading Light award** Announcement + presentation	
12:30 – 13:15	Lunch	Trade displays
13:15 – 15:20	**Oral presentations session #2** *Infection, immunity & vaccines* (12 talks x 10 min)	**Oral presentations session #2B** *Cardiovascular, metabolic & cell biology* (12 talks x 10 min)
15:20 – 15:45	Afternoon tea	
15:45 – 17:15	**Panel: Career pathways in Research** Chaired by: Dr Ebony Monson and Assoc Prof Jessica Borger Panelists: Dr Goh Kai Lyn, Dr Petra Graves, Dr Ekaterina Woods, Dr Alice West and Prof Nicholas Opie	

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Day 2: 17th November 2026

Time	Event	In parallel
08:30 – 09:00	Registration desk open	
09:00 – 09:45	**Plenary talk – Dr Fernando Gordillo Altamirano** "Phage therapy in Victoria, the good, the bad, and the ugly"	
09:45 – 10:05	Morning tea	
10:05 – 11:10	**Oral presentations session #3** *Neuroscience* (6 talks x 10 min)	
11:10 – 11:45	**Invited MCR talks** — Dr Hui-Fern Koay, Assoc Prof Joshua Wiley	
11:45 – 12:30	**Workshop: Science Communication** Delivered by: Dr Shane Huntington	
12:30 – 13:15	Lunch	Trade displays
13:15 – 14:15	**Poster session**	
14:15 – 15:20	**Oral presentations session #4** *Public health, clinical & health services* (6 talks x 10 min)	**Oral presentations session #4B** *Maternal health, brain & mental health* (6 talks x 10 min)
15:20 – 15:45	Afternoon tea	
15:45 – 17:15	**Panel: AI in Research** Chaired by: Dr Emerson Keenan Panelists: Assoc Prof Lisa Zhu, Assoc Prof Rahul Rane, Assoc Prof Sonika Tyagi, Dr Rosita Shishegar and Dr Sahar Shahali	

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Day 3: 18th November 2026

Time	Event	In parallel
08:30 – 09:00	Registration desk open	
09:00 – 09:45	**Plenary talk – Professor Yugeesh Lankadeva** "Impact of integrating academic, clinical, and industry partnerships to improve health outcomes for critically ill patients"	
09:45 – 10:05	Morning tea	
10:05 – 11:20	**Oral presentations session #5** *Cancer & cell biology* (7 talks x 10 min)	
11:20 – 11:55	**Invited MCR talks** — Dr Brooke Patterson, Dr Patrick Lelliott	
11:55 – 12:40	**Fireside chat on Research Funding** Chaired by: Dr Shane Huntington With: Prue Torrance (NHMRC Acting CEO) and Rosie Strickleton (Helen Macpherson Smith Trust)	
12:40 – 13:25	Lunch	Trade displays
13:25 – 14:55	**Grant Writing Workshop: Consumer and Partner Engagement and Co-Design** Delivered by: Professor Devanshi Seth (The GrantEd Group)	
14:55 – 15:20	Afternoon tea	Posters to be removed
15:20 – 16:20	**Workshop: Science for social media** Delivered by: Dr Veronique Paris	
16:20 – 17:00	Awards + Closing Ceremony	

ORAL PRESENTATIONS BY SESSION

#	Time	Presenter	Affiliation	Title
Session 1 — Bioengineering, devices & digital health *Monday 16 November · 10:05–11:40 · Forum 1+2*				
S1-01	10:10–10:20	**Ganganath Perera**	RMIT University	Saliva-based Conductometric Multiplex Biosensor for Rapid Point-of-Care Cardiac Risk Assessment
S1-02	10:20–10:30	**Sreekanth Srirangam Prathivadibayankaram**	RMIT University	Chronic kidney disease detection and management through swift detection of biomarkers using HR-Si conductometric biosensor
S1-03	10:30–10:40	**Akila Hewa Thondilege**	Queensland University of Technology	Markerless Ground Reaction Force Estimation for Clinical Biomechanical Assessment Using Dynamic Hypergraph Neural Networks
S1-04	10:40–10:50	**Romana Nasrin**	Monash University	Moldable microchanneled polyHIPE scaffolds: a novel biomimetic approach to cranial defect reconstruction
S1-05	10:50–11:00	**Sadjad Khosravimelal**	Monash University	A Hybrid Biofabrication Approach for Developing Human-Cell-Based 3D Skin Models
S1-06	11:00–11:10	**Bhavana Nayer**	Monash University	Treg-derived IL-10 suppresses inflammatory macrophage states during muscle regeneration and enables an immunocytokine-based therapy
S1-07	11:10–11:20	**Vincent Yuan**	UNSW Sydney	The evidence gap in AI-enabled medical devices in Australia: a cross-sectional study
S1-08	11:20–11:30	**Amany Gouda-Vossos**	Australian Research Data Commons	Discover, Access, Analyse: Enabling Secondary Use of Health Data
S1-09	11:30–11:40	**Dina Pogrebnoy**	La Trobe University	Co-design, development and delivery of a digital application to deliver a self-management intervention in an inpatient setting after stroke.
Session 2 — Infection, immunity & vaccines *Monday 16 November · 13:15–15:20 · Forum 1+2 (Room A)*				
S2-01	13:20–13:30	**Sindew Mekasha Feleke**	La Trobe University	Tracking Persistent and Resurgent Onchocerciasis Transmission Using Genomic, Ecological and Epidemiological Analyses
S2-02	13:30–13:40	**Veronique Paris**	University of Melbourne	Autodissemination stations to suppress Aedes notoscriptus in urban Victoria
S2-03	13:40–13:50	**Ebony Monson**	La Trobe University	Lipid droplets as natural, engineered vehicles for antiviral therapy
S2-04	13:50–14:00	**Nadia Mazarakis**	Murdoch Children's Research Institute	Persistence of IgG4 skewing over 12 months following a fourth dose of a bivalent mRNA or protein-based COVID-19 vaccine
S2-05	14:00–14:10	**Christie Noble**	Murdoch Children's Research Institute	BCG vaccination induces age-dependent changes in responses to Mycobacterium tuberculosis
S2-06	14:10–14:20	**Georgia-Rose Gilmore**	Monash University	Antibiotics: A Double-Edged Sword - Linking Antibiotic Sensing to Hypervirulence and Persistence in Clostridioides difficile
S2-07	14:20–14:30	**Garry Chahal**	La Trobe University	Can lipid droplets be delivered to the cytoplasm to prime antiviral immunity in neighbouring cells?

S2-08	14:30–14:40	**Justin Boxuan Zhang**	Monash University	Studying T Cell Ectosomes In T Cell Surveillance
S2-09	14:40–14:50	**Bridget E. Walker**	University of Melbourne	A simple model for studying a neglected tropical disease and the importance of host signals for fungal pathogenesis.
S2-10	14:50–15:00	**Jiaqi (Albert) Shi**	Burnet Institute	Development of next-generation mRNA vaccines against malaria
S2-11	15:00–15:10	**Alysha Literski**	Burnet Institute	Improving the capacity of vaccine-induced antibodies against RH5 to arrest the growth of Plasmodium falciparum.
S2-12	15:10–15:20	**Rina Wong (Fu)**	Curtin University	Virucidal and Bactericidal Effects of a Nano-formulation of Australian Melaleuca alternifolia (Tea Tree) Oil against Human and Bovine Respiratory Pathogens
Session 2B — Cardiovascular, metabolic & cell biology *Monday 16 November · 13:15–15:20 · Forum 3 (Room B)*				
S2B-01	13:20–13:30	**Jacob Ellis**	WEHI	Regulation of transposable elements by mRNA export machinery in embryonic progenitor models
S2B-02	13:30–13:40	**Sanuri Liyanage**	SAHMRI	Yolk Sac-Derived Endothelial-Macrophage Progenitors in Skin: Drivers of Wound Healing and Tumour Growth
S2B-03	13:40–13:50	**Shannen Walker**	Baker Heart and Diabetes Institute	Single-cell Transcriptome Identifies Novel Genes Associated with Hepatic Recovery Pathways in Metabolic Associated Steatohepatitis
S2B-04	13:50–14:00	**Yuyang Song**	Baker Heart and Diabetes Institute	mRNA Platforms Enable Spatiotemporal Control for Safer Thrombosis Prevention
S2B-05	14:00–14:10	**Brooklyn Hutton**	La Trobe University	Strain- and sex-dependent differences in PCSK9-induced atherosclerosis reveal the translational value of outbred models
S2B-06	14:10–14:20	**Caitlin Vella**	La Trobe University	Enhancing Efferocytosis with BELMO Reduces Atherosclerotic Disease Burden
S2B-07	14:20–14:30	**Maya S Bishop**	Florey Institute	Therapeutic benefits of megadose sodium ascorbate for reversing sepsis-induced cerebrovascular and cardiovascular dysfunction
S2B-08	14:30–14:40	**Roop Bhangu**	Monash University	Glucose-Responsive Nano Sugar with Kidney Tropism Enable Multi-Day Therapy in Diabetic Mice
S2B-09	14:40–14:50	**Haoyun Fang (Alexx)**	Baker Heart and Diabetes Institute	Dynamic Subcellular Remodelling of Heart Revealed by Multi-Omics from Early Myocardial Ischemia Reperfusion Injury
S2B-10	14:50–15:00	**Maria Jelinic**	La Trobe University	Senescent fibroblast-like vascular smooth muscle cells are associated with coronary artery plaque vulnerability and immune activation
S2B-11	15:00–15:10	**Sarah Brooke**	Florey Institute	Cardiopulmonary Bypass-Induced Blood-Brain Barrier Disruption in a Clinically Relevant Ovine Model
S2B-12	15:10–15:20	**Daniel Donner**	Baker Heart and Diabetes Institute	Restarting the Brain After Refractory Cardiac Arrest: Extracorporeal Cardiopulmonary Resuscitation Restores Perfusion and Uncovers Novel Therapeutic Targets
Session 3 — Neuroscience *Tuesday 17 November · 10:05–11:10 · Forum 1+2*				
S3-01	10:10–10:20	**Alayna Carmina Caruso**	Florey Institute	Polyanionic peptibody ameliorates tau pathology and improves synaptic function in tau transgenic mice
S3-02	10:20–10:30	**Dylan Kiltschewskij**	University of Newcastle	Disentangling Epigenetic Heterogeneity in Schizophrenia

S3-03	10:30–10:40	**Joshua Saito**	Florey Institute	Investigating the synaptic pathophysiology of a neurodevelopmental disorder in human neurons
S3-04	10:40–10:50	**Jenna White**	Florey Institute	Characterisation of a Novel Mouse Model of PURA Syndrome
S3-05	10:50–11:00	**Owen Jones**	Florey Institute	Investigating the role of zinc in potassium-mediated cerebral functional hyperaemia
S3-06	11:00–11:10	**Sujan Kumar Sarkar**	Florey Institute	Blocking P2X7R-Mediated Signalling Confers Central and Peripheral Therapeutic Benefits in a Mouse Model of Huntington's Disease
Session 4 — Public health, clinical & health services *Tuesday 17 November · 14:15–15:20 · Forum 1+2 (Room A)*				
S4-01	14:20–14:30	**Sarah Lampard**	La Trobe University	Understanding concussion knowledge, reporting intentions and behaviours in community women's and men's Australian Football
S4-02	14:30–14:40	**Chilot Desta Agegnehu**	La Trobe University	Patterns and predictors of past-month injecting among people who inject drugs from culturally and linguistically diverse backgrounds: a 16-year Melbourne cohort study
S4-03	14:40–14:50	**Alexandra R Davidson**	Bond University	Self-management program for people with chronic obstructive pulmonary disease (COPD): The Activating Primary Care COPD Patients with Multimorbidity (APCOM) Trial – Early Findings
S4-04	14:50–15:00	**Jordan Lim**	Monash University	Clinical tools for assessment of plaster cast quality in patients with limb fractures in the Emergency Department: a systematic review of radiological indices
S4-05	15:00–15:10	**Marianne Piano**	Monash University	A case study of how eyecare needs are identified, understood and met in residential aged care.
S4-06	15:10–15:20	**Tan Minh Nguyen**	Monash University	Assessing Cost-Effectiveness on Oral Health Preventive Interventions (ACE-Oral Health Prevention)
Session 4B — Maternal health, brain & mental health *Tuesday 17 November · 14:15–15:20 · Forum 3 (Room B)*				
S4B-01	14:20–14:30	**Jianing Xu**	Burnet Institute	Impact of different diagnostic definitions of pre-eclampsia: a systematic review and meta-analysis
S4B-02	14:30–14:40	**Alanna Gillespie**	Murdoch Children's Research Institute	Congenital cytomegalovirus infection and infant hearing loss in Australia: the Screen cCMV study
S4B-03	14:40–14:50	**Kanika Mehta**	Baker Heart and Diabetes Institute	Dementia mortality in the context of diabetes: age- and sex-specific time trends across seven jurisdictions
S4B-04	14:50–15:00	**Erin Harcourt**	Federation University	Development and Validation of the Critical Care Memory Tool in Post-Intensive Care Patients
S4B-05	15:00–15:10	**Lauren T Ursich**	Florey Institute	Why Sex Matters: Exploring Neurobiological Differences Driving Binge Drinking
S4B-06	15:10–15:20	**Adelaide Bernard**	Baker Heart and Diabetes Institute	Leveraging elasticity scores to uncover diet-induced shifts in hypothalamic lipid
Session 5 — Cancer & cell biology *Wednesday 18 November · 10:05–11:20 · Forum 1+2*				
S5-01	10:10–10:20	**Yining Tian**	WEHI	Genomic Alterations in TNF-Related Cell Death Pathways as Potential Biomarkers for Personalized Therapy in Oral Squamous Cell Carcinoma

S5-02	10:20–10:30	**Brenda Briones Miranda**	Monash University	From clinical observations to an in vivo model of clonal haematopoiesis: Investigating BCL2–BAX-mediated clonal dynamics in zebrafish
S5-03	10:30–10:40	**Mackenzie Lighton**	University of Western Australia	Low-Dose Radiotherapy Alters Macrophage Polarisation in a Murine Mesothelioma Model
S5-04	10:40–10:50	**Olivia Rose Comito**	University of Notre Dame Australia	The interaction between the human gut microbiome and pancreatic ductal adenocarcinoma (PDAC): A prospective study correlating microbiome composition with anti-cancer treatment and tumour response.
S5-05	10:50–11:00	**Emily Cross**	University of Newcastle	Genetic relationships between metabolic traits and breast cancer: identifying shared biology
S5-06	11:00–11:10	**Winnie Tan**	WEHI	Nucleosome recognition and DNA compaction by the MORC2 remodeller
S5-07	11:10–11:20	**Nicole Sze Yong Nga**	Centre for Eye Research Australia	Increasing FGF7 levels promote corneal endothelial functions via NRF2-mediated response

POSTER SESSION

Board	Presenter	Affiliation	Title
Poster session *Tuesday 17 November · 13:15–14:15*			
P01	**Agustiningsih**	Burnet Institute	Investigating primary and recall humoral immune responses in malaria and the role of type I interferon signalling.
P02	**Akila Hewa Thondilege**	Queensland University of Technology	Improving Clinical Biomechanical Assessment Through Mesh-Based Virtual Markers
P03	**Assia Comella**	Royal Children's Hospital	Thirty Years of Paediatric Colonic Motility Assessment Modalities: A Systematic Review
P04	**Brianna Kline**	Murdoch Children's Research Institute	Mitochondrial fusion dynamics implicated in premature ovarian insufficiency
P05	**Chalie Marew Tiruneh**	University of Technology Sydney	Clinical outcomes of children and adolescents with type 1 diabetes mellitus in Ethiopia: evidence on glycaemic achievement and diabetic ketoacidosis
P06	**Deborah Hilton**	Independent (Deborah Hilton Statistics Online)	Injury prevention workplaces that perform statistical analysis related to health; words describing artificial intelligence from workers – is it a help or hinderance?
P07	**Dilan Bozanoglu**	Centre for Eye Research Australia	Unraveling the role of STING-RFC1 and RFC1-SMAD2/3 interactions in inner blood retina barrier integrity
P08	**Erin Harcourt**	Federation University	The efficacy of interventions for the psychological impacts of post-intensive care syndrome (PICS): a systematic review
P09	**Fern Ee Caryn Koo**	Murdoch Children's Research Institute	Beyond the Child: A Systematic Review of Parental Wellbeing and Family Functioning in Paediatric Colorectal Conditions
P10	**Habib Eichoue**	University of Sydney	Characterising the molecular response to protein restriction in prostate cancer using integrated plasma proteomics and single-cell datasets.
P11	**Imogen Samuels**	University of Melbourne	BAM-Boozled: Pyocin L1 Disrupt Outer Membrane Protein Assembly in Pseudomonas aeruginosa
P12	**Jacob Andrew Dye**	The George Institute for Global Health	Long-term outcomes of out-of-hospital cardiac arrest patients and their caregivers in the Targeted Temperature Management 2 (TTM2) trial
P13	**Jean Pierre Ndabakuranye**	RMIT University	Wearable ambulatory ECG platform for accessible cardiac monitoring
P14	**Jiawei Tang**	WEHI	Optimising CAR-T Cell Therapies Through CD4/CD8-Specific Signalling Programs
P15	**Joshua John Voger**	Florey Institute	Investigating the effects of physical manipulation of the vagus nerve on the inflammatory response in both male and female rats undergoing sepsis
P16	**Jude Oluwapelumi Alao**	Auckland University of Technology	Clinical response and systemic immune profiles following acoustic nasal therapy in chronic inflammatory nasal disease
P17	**Laura McKinley**	Northern Health	Routine prophylactic carbetocin following vaginal birth: a retrospective non-inferiority cohort study

P18	**Marcus Camilleri**	University of Melbourne	RNA isoforms provide cell-type-specific insights into human neurodevelopment
P19	**Nchafatso Obonyo**	Baker Heart and Diabetes Institute	A Case Report of a Preclinical Model of Cardiac Trauma and Haemorrhagic Shock
P20	**Nicholas Glatz**	Florey Institute	Changes to a Thalamocortical microcircuit in the Primary Somatosensory Cortex from Goal Directed Learning
P21	**Ryan M. Clarke**	University of Sydney	Establishing Small Molecule-Based Neuronal Transdifferentiation as a Tool for Modelling Age-Dependant Phenotypes in Amyotrophic Lateral Sclerosis
P22	**Sam Combes**	Florey Institute	The influence of glioma on interneurons in-vivo
P23	**Sarah Fraanje**	Hudson Institute of Medical Research	Investigating the therapeutic potential of herbal extract-infused hydrogel for tissue regeneration in rat birth injury model.
P24	**Sarah Mele**	La Trobe University	Investigating Treatments and Mechanisms in Short-Chain Enoyl-CoA Hydratase 1 (ECHS1) Deficiency
P25	**Theodore Lam**	St Vincent's Hospital Melbourne	Therapeutic Potential of Adipose-Derived Stem Cells in Peripheral Nerve Injury: A Systematic Review
P26	**Vatsal Ved**	Monash University	Coronary plaque burden, composition and progression in young adults versus risk-factor-matched older adults: a serial computed tomography coronary angiography study
P27	**Vivian Tran**	La Trobe University	Integrating human and experimental models to identify immune mechanisms underlying cardiovascular complications in Long COVID
P28	**Yashna De Silva**	Monash University	Is Childhood Adversity Associated With Worse Disability Outcomes in Multiple Sclerosis?
P29	**Yingxue He**	WEHI	MLKL-Dependent Necroptotic Signalling Regulates Keratinocyte Differentiation and Epidermal Repair
P30	**Zoe Whitehouse**	La Trobe University	Parkinson’s disease and calcium signalling beyond the brain
P31	**Zoriana Novosiadla**	La Trobe University	Dietary Tyrosine restriction rescues Drosophila model of HIBCH deficiency