



International Vascular Biology Meeting 2026

6-10 SEPTEMBER | ADELAIDE, AUSTRALIA

SUNDAY, 6 SEPTEMBER 2026

2:45pm-5:00pm	Opening and Plenary session I <i>Chairs: Ben Hogan and Claudine Bonder</i>
2:45pm-3:00pm	Welcome and Opening Remarks Natasha Harvey
3:00pm-3:40pm	The maternal-fetal interface and pregnancy complications in three dimensions Kristy Red-Horse
3:40pm-4:20pm	Building resilient lymphatic vasculature Taija Makinen - The EMBO Keynote Lecture
4:20pm-5:00pm	Vascular Adaptations at Scale: Structural and Functional Divergence Across and Within Organs Ralf Adams
5:00pm-7:00pm	Welcome Reception

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MONDAY, 7 SEPTEMBER 2026

8:00am – 8:45am	Asia-Australia Vascular Biology Business Meeting (Room E1)			
9:00am-10:20am	Plenary session II <i>Chairs: Andrew Murphy and Luisa Iruela-Arispe</i>			
9:00am-9:40am	Immuno-Gerotherapeutics Targeting Senescent Cells for Age-Associated Diseases Tohru Minamino			
9:40am-10:20am	Maintaining Vascular Heterogeneity: Resilience Stefania Nicoli			
10:20am-10:45am	Coffee Break			
10:45am-12:45pm	Parallel Session 1: Mechanisms driving atherosclerosis <i>Chairs: Judy de Haan and Jin Han</i>	Parallel Session 2: Endothelial cell metabolism <i>Chairs: Enyuan Cao and Sri Vaidyanathan</i>	Parallel Session 3: Programming endothelial cell identity <i>Chairs: Renjing Liu and Jan Kazenwadel</i>	Parallel Session 4: Immune cell trafficking through the vasculature <i>Chairs: Shu Wen Wen and Rebecca Harper</i>
	Plenary (Hall C)	Room E1	Room E2	Room E3
10:45am-11:15am	Transforming secondary prevention post-MI: insights from plaque imaging Peter Psaltis	Degrading to Regrow – Harnessing Targeted Protein Degradation to Understand Principles of Vascular Growth Michael Potente	ERG-Directed Gene Networks in Endothelial Cell Identity and Function Graeme Birdsey	Dynamics of glomerular neutrophil trafficking in C3 Glomerulopathy Michael Hickey
11:15am-11:45am	Myeloid cell heterogeneity in the cardio-cerebrovascular disease Goo Taeg Oh	Metabolic control of endothelial cell fate Katrien De Bock	Endothelial Cell Cycle Control of Cell Fate Karen Hirschi	The immunomodulatory role of the endothelium: how local RNA translation regulates leukocyte transendothelial migration Jaap van Buul
11:45am-12:15pm	Endothelial metabolism beyond glycolysis: a central regulator of inflammation and atherosclerosis Jeff Kroon	Metabolic regulators of vascular function Bilal Sheikh	Organotypic Vascular Niches: Linking Local Endothelial Identity to Systemic Function Karina Yaniv	Chrna7 regulates the hematopoietic bone marrow microenvironment to retain haematopoietic stem and progenitor cells Andrew Murphy
12:15pm-12:30pm	Too Much RIPK1, Too Little Stability: RIPK1 Drives Plaque Instability Denuja Karunakaran	Angiogenesis is regulated by endothelial pyrimidine de novo synthesis Isidora Mitric	Defining the transcriptional programs directed by Hippo pathway activity in lymphatic endothelial cells Srimayee Vaidyanathan	The CD15s/E-selectin vascular adhesion axis predicts responsiveness to immunotherapy in melanoma patients Lisa Ebert
12:30pm-12:45pm	METTL14 inhibits atherogenesis by epigenetically activating PPAR-a/g transcription and fatty acid oxidation in VSMCs Kathy Lui	Sinem Karaman	SOX18-TRIM28 driven transcriptional repression during lymphangiogenesis Shikha Pachauri	Vascular control of myeloid cell metabolism drives tumor resistance to immunotherapy Yi Fan
12:45pm-1:15pm	Lunch			
1:15pm-2:15pm	Poster Session			
2:15pm-4:15pm	Parallel Session 5: Non-atherosclerotic diseases of vasculature <i>Chairs: Mary Kavurma and Aaron Trask</i>	Parallel Session 6: Endothelial cell responses to mechanical signals <i>Chairs: Sara Baratchi and Shigetomo Fukuhara</i>	Parallel Session 7: Endothelial cell heterogeneity <i>Chairs: Ralf Adams and Anna Oszmiana</i>	Parallel session 8: Vascular anomalies <i>Chairs: Tony Penington and Sophie Wiszniak</i>
	Plenary (Hall C)	Room E1	Room E2	Room E3
2:15pm-2:45pm	Endothelial to mesenchymal transition – from molecular understanding to clinical therapeutics Jason Kovacic	Mechanical self-organisation of the developing endocardium Julien Vermot	Human Adipose Tissue Vasculature: A Niche Shaped by Metabolic State Joanna Kalucka	Diverse behaviours of oncogenic mutations in endothelial cells Mariona Graupera
2:45pm-3:15pm	Intestinal excess of AHR ligand is a targetable driver of pulmonary arterial hypertension Yoshikazu Nakaoka	Cellular hydraulics in cell extrusion: from sprouting angiogenesis to endothelial-to-haematopoietic transition Li-Kun Phng	Revisiting the Anatomy and Heterogeneity of Skeletal Vasculature Yoshiaki Kubota	A SOX18-Mevalonate Pathway Axis, Targetable with Statins, in Vascular Anomalies Joyce Bischoff
3:15pm-3:45pm	Pre-clinical evaluation of a new therapy for pulmonary hypertension Kristen Bubb	Mechanical licensing of endothelial proliferation Maïke Frye	Mechanisms of lymphatic vascular specialization Tatiana Petrova	Pericyte contractility in health and disease Claudio Franco
3:45pm-4:00pm	Mitochondrial Dysfunction in Endothelial Cells Drives Greater Vascular Impairment in Females with Diabetes-Associated Peripheral Artery Disease Jaideep Singh	Blood flow-induced mechano-transduction shapes pial collateral artery network Swarnadip Ghosh	Adrenomedullin-PIM kinase signalling determines differential arteriovenous cell-cell adhesion Kahli Jones	Unraveling a SOX18-BRG1 Chromatin Remodeling Axis Hijacked by Oncogenic Herpesvirus in Lymphatic Endothelial Cells Paivi Ojala
4:00pm-4:15pm	Epithelial-derived IL-1β and TNF drive endothelial dysfunction and coagulopathy in acute COVID-19. Larisa Labzin	A Piezo1-dependent feed-forward mechanotransduction loop drives VSMC apoptosis and arterial medial calcification Bo Wei Ou	A single-cell time-series atlas of endothelial cell embryonic development Qi Chen	The Linc Between Accelerated and Normal Vascular Aging Caitlin Francis
4:15pm-4:40pm	Coffee Break			
4:40pm-6:00pm	Plenary Session III – EVBO Award Lectures <i>Chair: Karina Yaniv</i>			
4:40pm-5:20pm	Cordially, VEGF-C: A story of lymphangiogenesis Kari Alitalo			
5:20pm-6:00pm	Mechanical Control of Cardiovascular Function Serena Zacchigna			

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TUESDAY, 8 SEPTEMBER 2026

7:30am – 8:30am	AVBS AGM (Room E1)			
9:00am-10:20am	Plenary session IV <i>Chairs: Connie Wong and Tatiana Petrova</i>			
9:00am-9:40am	Cardiac lymphatics in heart growth and repair Guillermo Oliver			
9:40am-10:20am	Novel Genetic Bases of Lymphatic Anomalies Miikka Vikkula			
10:20am-10:45am	Coffee Break			
10:45am-12:45pm	Parallel Session 9: Innovative approaches for imaging and treatment of cardiovascular disease <i>Chairs: Christina Bursill and Mitchell Moon</i>	Parallel session 10: Meningeal lymphatics <i>Chairs: Leon Smyth and Natalie Trevaskis</i> LE&RN Sponsored Session	Parallel Session 11: Organotypic vascular specialisation <i>Chairs: Sinem Karaman and Mariona Graupera</i>	Parallel Session 12: The genetic basis of lymphatic vascular disorders <i>Chairs: Stan Rockson and Hamish Scott</i>
	Plenary (Hall C)	Room E1	Room E2	Room E3
10:45am-11:15am	Therapeutic targeting of cell membrane receptors: From antibody to mRNA therapeutics. Karlheinz Peter	Venolymphatic interplay in the dural perisinus: role in brain health and disease Jean-Leon Thomas	Online Cleaver	Improving the Diagnostic Yield of Primary Lymphatic Anomalies Pia Ostergaard
11:15am-11:45am	Microstructural and molecular intravascular imaging of atherosclerosis Jiawen Li	Meningeal Lymphatics: A Hidden Driver and Untapped Target of Migraine Kathleen Caron	Functional specialization of craniofacial bone marrow vasculature Bong Ihn Koh	Precision Lymphology: How genetics informs diagnosis and treatment Sarah Sheppard
11:45am-12:15pm	Vascular Calcification and Aging: Mechanisms and Therapeutic Potential Yabing Chen	Bridging veins facilitate neuroimmune communication in the meninges Leon Smyth	Gatekeeping Function of the Vascular Endothelium in Liver Fibrosis Pathogenesis You Mie Lee	Stan Rockson
12:15pm-12:30pm	Inhibition of Cholesterol Synthesis in human T cells decreases T cell proliferation and activation Marit Westerterp	Targeting the vasculature as novel therapeutic for dementia Ka Ka Ting	Single-cell multi-omic meta-analysis of the human coronary microcirculation identifies vascular smooth muscle cell phenotypes and disease-associated genes Toby Brown	Germline ERG variants: defining a new genetic disease, characterising all variants Jiarna Zerella
12:30pm-12:45pm	Hypoxia-Targeted Nanoparticle Delivery of AntimiR-181c Rescues Diabetes-Impaired Angiogenesis and Wound Healing Emma Solly	Cervical lymphatic vessel's functioning impairment in traumatic brain injury: implications in chronic lymphatic failure and edema resolution Rashad Hussain	Long term lineage tracing of endothelial cells reveals unique turnover dynamics across different organs Margherita Zamberlan	Activating variants in RIT1 cause central conducting lymphatic anomaly Lola Zerbib
12:45pm-1:15pm	Lunch			
1:15pm-2:15pm	Poster Session			
2:15pm-4:15pm	Parallel Session 13: The ocular vasculature in health and disease <i>Chairs: Andrew and You Mie Lee</i>	Parallel session 14: Neuroinflammation <i>Chairs: Connie Wong and Renee Turner</i>	Parallel Session 15: Lymphatic vascular development <i>Chairs: Maïke Frye and Drew Sutton</i> NHMRC CRE in Lymphoedema and Lymphatic Regeneration Sponsored Session	Parallel Session 16: Tumour vasculature <i>Chairs: David Bates and Emma Thompson</i> Centre for Cancer Biology Sponsored Session
	Plenary (Hall C)	Room E1	Room E2	Room E3
2:15pm-2:45pm	Pericyte Dynamics and Lineage Plasticity in Retinal Homeostasis and Disease Junyeop Lee	Brain border immunity and waste clearance in neurodegenerative disease Justin Rustenhoven	A multifactorial subepicardial niche regulates coronary lymphangiogenesis Miguel Torres	The lymphatic system in driving cancer progression Tim Padera
2:45pm-3:15pm	VEGF-B and microglia-neutrophil cross-talk in angiogenesis Xuri Li	Snake venoms hijack inflammatory mechanisms: doorway to the brain Neil Spratt	Brant Weinstein	Inflammaging of endothelial cells and cancer progression Kyoko Hida
3:15pm-3:45pm	Immune cell regulation of retinal vascular function Erica Fletcher	Multifaceted roles of microglia after stroke Josh Bourne	Heterogeneity in lymphatic progenitor sprouting contributes to robustness of lymphatic vessel formation Kaska Koltowska	Uncovering dynamic changes in tumour vasculature using a novel zebrafish model Elysse Morris
3:45pm-4:00pm	Maternal Gut Microbiota Regulates Neonatal Retinal Angiogenesis via Lactational Metabolic Signalling Sally Dreger	Decoding Regional Vulnerability to Inflammation in the Brain Vasculature Mariaelena Valentino	Lymphatic regeneration and auxiliary lymphangiogenesis in zebrafish Connor Bayly-Jones	Down syndrome (DS)-related endothelial cell-specific factor Erg exerts DS-like, absolute anti-tumor activity via vessel normalization in the tumor microenvironment Takashi Minami
4:00pm-4:15pm	Human microphysiological model of retinal matrix stiffening reveals pericyte-mediated mechanisms of vascular dysfunction Emily Warren	Single-Cell and Spatial Atlas of Human Brain Aneurysms Reveals Pathogenic Crosstalk Between Activated Fibroblasts and Osteoclast-Like Macrophages During Disease Progression Jerry Wang	Zebrafish non-venous facial lymphatic progenitors are derived from the cardiopharyngeal mesoderm Jonathan Astin	Endothelial cell instructions reprogram cancer cells toward vasculogenic mimicry and vessel formation Kay Myo Min
4:15pm-4:40pm	Coffee Break			
4:40pm-6:00pm	Plenary Session V <i>Chairs: Mat Francois and Kathleen Caron</i>			
4:40pm-5:20pm	A vascular perspective on inflammation and cancer Gabriele Bergers			
5:20pm-6:00pm	When Flow Meets Growth: The Challenge of Proliferation under Mechanical Stress Luisa Iruela-Arispe			

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WEDNESDAY, 9 SEPTEMBER 2026

7:15am – 8:15am	Fun run/walk (pre-run/walk stretching to begin from 7:15am on Regattas Lawn)			
9:00am-10:20am	Plenary session VI <i>Chairs: Michael Hickey and Stefania Nicoli</i>			
9:00am-9:40am	Cave Exploration at the Nanoscale; New Insights into the Structure and Function of Caveolae Robert Parton			
9:40am-10:20am	Harnessing the vasculature to protect brain health Anne Eichmann			
10:20am-10:45am	Coffee Break			
10:45am-12:45pm	Parallel Session 17: Cardiovascular disease and cancer <i>Chairs: Grant Drummond and David Stepp</i>	Parallel Session 18: Mechanotransduction in the vasculature <i>Chairs: Simone Schoenwalder and Li-Kun Phng</i>	Parallel Session 19: Vascular engineering and regeneration <i>Chairs: Genevieve Secker and Kaska Koltowska</i>	Parallel Session 20: EVBO/AVBS/AAS Awards
	Plenary (Hall C)	Room E1	Room E2	Room E3
10:45am-11:15am	Endothelial dysfunction as a central mechanism in angiogenesis inhibitor-induced hypertension Katrina Colafella	Andrew Holle	Microphysiological systems for modeling vascular malformations Chris Hughes	
11:15am-11:45am	Radiation Reprograms Vascular Cell Plasticity, Resulting in Atherosclerotic Plaque Instability Rebecca Deaton	PIEZO channel auxiliary subunits and their influence on local Ca2+ signalling Charles Cox	Mechanical balance between blood flow and vascular basement membrane stiffness in angiogenic morphogenesis Koichi Nishiyama	
11:45am-12:15pm	Cytoskeletal Regulation of Pathological Angiogenesis in Renal Cell Carcinoma David Gau	Endothelial shear stress sensing at cell-cell junctions Martin Schwartz	An intrinsic property of blood proteins that underpins autoantibody recognition in autoimmune diseases Philip Hogg	
12:15pm-12:30pm	Investigating the effects of radiation on vascular development and regeneration in zebrafish Kazuhide Okuda	Endothelial lamin A/C downregulation drives age-related cardiovascular disease Ignacio Benedicto	Stromal-endothelial cell crosstalk orchestrates formation and functionality of hiPSC-derived cardiac microvasculature on chip Avalon Johnson	
12:30pm-12:45pm	Yolk Sac-Derived Endothelial-Macrophage Progenitors in Skin: Drivers of Wound Healing and Tumour Growth Sanuri Liyanage	Distinct Flow Adaptation Programs in Human Arterial and Venous Endothelium Emily Trimm	Engineering Flow-Matured Human Vasculature-on-Chip to Model Collateral Remodeling and Immune Cell Trafficking Tomasz Nawara	
12:45pm-1:15pm	Lunch			
12:45pm-2:00pm	IVBM Business Meeting (Room E1)			
12:45pm-2:00pm	Meet the Speaker Session (Room E3)			
2:15pm-4:15pm	Parallel session 21: Atherosclerosis and thrombosis <i>Chairs: Liz Gardiner and Sanuri Liyanage</i>	Parallel session 22: Lymphatic vessels and immunity <i>Chairs: Tara Karnezis and Justin Rustenhoven</i>	Parallel session 23: Using advanced technologies to understand vascular biology <i>Chairs: Daniel Brieger and Bong Ihn Koh</i>	Parallel session 24: Hot topics <i>Chairs: Kathy Lui and Qi Chen</i>
	Plenary (Hall C)	Room E1	Room E2	Room E3
2:15pm-2:45pm	Fundamental insights and innovation to achieve early detection and treatment of coronary atherosclerosis Gemma Figtree	Immunomodulatory Functions of Lymphatic Endothelial Cells Cornelia Halin	Longitudinal Intravital Imaging of Neurovascular Dynamics Following Cerebral Microinfarction Pilhan Kim	Engineering Specific Unstable Plaque Phenotypes Through Customised Arterial Shear in a 3D-Printed Tandem Stenosis Model Ben Chen
2:45pm-3:15pm	Stuck on high: Platelet hyperreactivity, cardiovascular risk and new therapeutic targets Freda Passam	An Adult Lymphatic Switch Between Lipid Entry and Tissue Repair Hong Chen	How does the genome feel force? Mat Francois	Developing mRNA Therapeutics for Cerebral Cavernous Malformation Jia Li
3:15pm-3:45pm	Distinct microvascular occlusion mechanisms triggered by endothelial cell death Shaun Jackson	Lymph-Directed Glyceride Mimetic Prodrugs to Enhance Immunotherapy and Organ Failure Treatment Natalie Trevaskis	Angiogenesis in the absence of VEGFR signalling Rui Benedito	Clonality and Plasticity of Smooth Muscle Cells in Diabetic Atherosclerosis Ashish Misra
3:45pm-4:00pm	Blake Cochran	Lymphatic dysfunction and ZFP36 deficiency contribute to myxomatous mitral valve degeneration in Marfan Syndrome mice Tsutomu Kume	Brain-wide mapping of mural cell diversity reveals a novel intraluminal structure at arterial bifurcations Julien Guemri	A liver-enriched transfer RNA-derived small RNA regulates lipid homeostasis and atherosclerosis development Changcheng Zhou
4:00pm-4:15pm	Examining efferocytosis as a novel mode of tissue repair in vascular endothelial cells Amy Baxter	Visualising dynamic interactions between vasculature and immune cells through intravital imaging Cameron Bastow	Organ-specific vascular signalling hubs precede and regulate the metastatic spread of cancer Rae Farnsworth	Mitochondrial dysfunction induced integrated stress responses in endothelial cells during atherosclerosis Xiao-Yu Tian
4:15pm-4:40pm	Coffee Break			
4:40pm-6:00pm	Plenary Session VII <i>Chairs: Taija Makinen and Anne Legendijk</i>			
4:40pm-5:20pm	RNA-Driven Genetic Robustness in Endothelial cells: Mechanisms of Transcriptional Adaptation Didier Stainier			
5:20pm-6:00pm	Decoding vascular complexity with orthogonal recombinases Bin Zhou			
7:00pm-11:00pm	Gala Dinner (Panorama Ballroom, ticketed function)			

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THURSDAY, 10 SEPTEMBER 2026

9:00am-11:00am	Parallel session 25: Towards novel therapeutics for cardiovascular diseases <i>Chairs: Ashish Misra and Emma Solly</i>	Parallel session 26: The neurovascular interface <i>Chairs: Quenten Schwarz and Kirsten Coupland</i>	Parallel session 27: Signalling pathways driving vascular development, maturation and function <i>Chairs: Steven Stacker and Kazu Okuda</i>	Parallel session 28: Endothelial cell junctions in development and inflammation <i>Chairs: Larisa Labzin and Rae Farnsworth</i>
	Plenary (Hall C)	Room E1	Room E2	Room E3
9:00am-9:30am	Developing novel adjunctive antithrombotic therapy - for Acute Ischemic Stroke Simone Schoenwalder	A Chromatin Remodeler-Regulated Angiogenic Network Shapes Vascular Architecture Mei Xin	Novel signalling pathways controlling organotypical angiogenesis in the nervous system Ferdinand le Noble	Establishing vessel-specific VE-cadherin adhesions during development Anne Lagendijk
9:30am-10:00am	Mitochondrial Dynamics and KLF4-Driven Vascular Smooth Muscle Cell Plasticity in Vascular Disease Kyung-Sun Heo	Loss of Endothelial ZEB1 enhances neovascularisation during choroidal neovascularisation Andy Benest	Targeting Tumor Microenvironment Network Signals to Develop Novel Therapeutic Strategies Tetsuro Watabe	Angiopoietin-Tie Signaling Integrates Junctions and Integrins for Vascular Stability Pipsa Saharinen
10:00am-10:30am	Endothelial Secretory Factors in Albuminuric Kidney Disease: Mechanisms and Therapeutic Development Masanori Nakayama	A novel role for NRPI in angiogenesis Christiana Ruhrberg	Metastatic vasculature: endothelial mechanisms for lung and lymph node metastasis Jan Kitajewski	Connexin Hemichannels: The Hidden Regulators of Microvascular Function Mauricio Lillo
10:30am-10:45am	Phoebe Cheong	Spatially resolved molecular cartography reveals specialized cell ensembles in the human brain vasculature Ethan Winkler	CAP1 is a gatekeeper to maintain the homeostasis of human endothelial cells by formation of the triple complex with adenylyl cyclase and caveolin Yoo-wook Kwon	An Inducible Huntington’s Disease Neurovascular Unit-on-Chip Identifies Candidate Signaling Pathways Modulating Blood–Brain Barrier Leak Lien Mari Reolizo
10:45am-11:00am	Overcoming Thrombolysis Resistance using Thrombus-targeted Nanoparticles Mitchell Moon	Mural cells protect the adult brain from hemorrhage but do not control the blood-brain barrier in developing zebrafish Oguzhan Baltaci	Synergy of Endothelial Notch4 and Notch1 in Angiogenesis Christie Kang	Context-dependent cooperation of endothelial β1- and β3-integrins maintains adult vascular homeostasis and hepatic zonation Keerthana Ganesh
11:00am-11:30am	Coffee break			
11:30am-1:15pm	Plenary Session VIII and Closing <i>Chairs: Maria Jelinic and Natasha Harvey</i>			
11:30am-12:10pm	Development, evolution and regeneration of lymphatic endothelial lineages Ben Hogan			
12:10pm-12:35pm	Closing Remarks & Presentation of Travel Awards			

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