

# Asia-Australia Vascular Biology Meeting (AAVBM) 2025

## PROGRAM

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### JVBMO 2025, AAVBM 2025 JOINT SESSION

#### JOINT SESSION 1 Chairman's Special Lecture

1st November 2025, 13 : 15-13 : 55

Moderator :

Tetsuro Watabe, Ph.D.

(Graduate School of Medical and Dental Sciences, Institute of Science Tokyo, Japan)

#### **Immuno-gerotherapeutics targeting senescent cells for age-associated disease**

Tohru Minamino, M.D., Ph.D.

(Department of Cardiovascular Biology and Medicine, Juntendo University Graduate School of Medicine, Japan)

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### AAVBM - SESSION 1 Special talk

1st November 2025, 13 : 55-14 : 25

Moderator :

Yoshiaki Kubota, M.D., Ph.D.

(Keio University School of Medicine, Japan)

#### **Heterogeneity and functional specialization of blood vessels in bone**

Ralf H. Adams

(Max Planck Institute for Molecular Biomedicine, Department Tissue Morphogenesis, and University of Muenster, Faculty of Medicine, Muenster, Germany)

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### AAVBM - SESSION 2 Presidential talks, Keynote lecture

1st November 2025, 14 : 30-15 : 30

Moderator :

Nobuyuki Takakura, M.D., Ph. D.

(Department of Signal Transduction, RIMD, University of Osaka, Japan)

Kyoko Hida, DDSc, Ph.D.

(Vascular Biology and Molecular Biology, Hokkaido University Faculty of Dental)

**Anti-tumour immunity: a co-ordinated approach by the tumour vasculature**

Claudine S. Bonder, Ph.D.

(Centre for Cancer Biology, University of South Australia and SA Pathology, Adelaide, SA, Australia)

**Endothelial Runx3 as a gatekeeper of vascular integrity and organ homeostasis in liver fibrosis**

You Mie Lee, Ph.D.

(Vessel-Organ Interaction Research Center, VOICE (MRC), Research Institute of Pharmaceutical Sciences, College of Pharmacy, Kyungpook National University, Republic of Korea)

**Roles of TGF- $\beta$  family signals during formation and maintenance of vascular systems**

Tetsuro Watabe, Ph.D.

(Graduate School of Medical and Dental Sciences, Institute of Science Tokyo, Japan)

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**AAVBM - SESSION 3**

1st November 2025, 15 : 35-17 : 05

Moderator :

Takashi Minami, Ph.D.

(Div. Mol.Vasc.Biol. Kumamoto University, Japan)

You Mie Lee, Ph.D.

(Vessel-Organ Interaction Research Center, VOICE (MRC), Research Institute of Pharmaceutical Sciences, College of Pharmacy, Kyungpook National University, Republic of Korea)

**Defining the genetic and developmental basis of human lymphatic vascular diseases**

Natasha Harvey, Ph.D.

(Centre for Cancer Biology, University of South Australia and SA Pathology, Adelaide, Australia)

**PDGF-C, PDGF-D and VEGF-B in Angiogenesis**

Xuri Li, Ph.D.

(State Key Laboratory of Ophthalmology Zhongshan Ophthalmic Center, Sun Yat-Sen University, China)

**Extracellular Matrix Dynamics in Physiological and Pathological Vascular Remodeling**

Utako Yokoyama, M.D., Ph.D.

(Department of Physiology, Tokyo Medical University, Japan)

**Pathogenic Mechanism of miR10b-5p in Kawasaki Vasculitis**

Somy Yoon, Ph.D.

(Department of Pharmacology, Chonnam National University Medical School, Republic of Korea)

**FoxOs are involved in the age-associated decline of tissue microvessel density through stress tolerance**

Miho Kobayashi, Ph.D.

(Department of Biochemistry, Graduate School of Medical and Dental Science, Institute of Science  
Tokyo, Japan)

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**AAVBM - SESSION 4**

2nd November 2025, 8 : 50-10 : 20

Moderator :

Claudine S. Bonder, Ph.D.

(Centre for Cancer Biology, University of South Australia and SA Pathology, Adelaide, SA, Australia)

Koichi Nishiyama, M.D., Ph. D.

(Laboratory of Vascular and Cellular Dynamics, Department of Medical Sciences, Faculty of Medicine,  
University of Miyazaki, Japan)

**Longitudinal Intravital Imaging of Neurovascular Unit and Vascular Integrity Following Cerebral  
Microinfarction**

Pilhan Kim, Ph.D.

(Graduate School of Medical Science and Engineering, Korea Advanced Institute of Science and  
Technology (KAIST), Republic of Korea / IVIM Technology, Inc., Republic of Korea)

**CD206 activation suppresses subretinal fibrosis in pericyte-deficient retina**

Akiyoshi Uemura, MD, Ph.D.

(Department of Ophthalmology and Visual Science, Nagoya City University Graduate School of Medical  
Sciences / Uemura Eye Clinic, Japan)

**Evolutionary and developmental plasticity of lymphatic endothelial cells**

Ben Hogan, Ph.D.

(Laboratory Research NHMRC Investigator (L2) / NHMRC Centre of Research Excellence in  
Lymphoedema and Lymphatic Regeneration / Vascular Cell and Developmental Biology / Peter  
MacCallum Cancer Centre / Department of Anatomy and Physiology, The University of Melbourne,  
Australia)

**Vascular-mediated regulation of skeletal muscle adaptation and aging**

Shin Fujimaki, Ph.D.

(Department Muscle Development and Regeneration, Institute of Molecular Embryology and Genetics, Kumamoto University, Japan)

**Afterlife in the endothelium: efferocytosis by endothelial cells promotes a tissue repair phenotype with therapeutic potential in vascular diseases**

Amy Baxter, Ph.D.

(Heart Foundation L1 Future Leader Fellow / Vascular Cell Death, Clearance & Inflammation Lab / Dying Cell Communication & Clearance, Centre for Cardiovascular Biology & Disease Research / La Trobe Institute for Molecular Science / Department of Biochemistry & Chemistry, School of Agriculture, Biomedicine and Environment, Australia)

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**AAVBM - SESSION 5**

2nd November 2025, 10 : 30-11 : 40

Moderator :

Xuri Li, Ph.D.

(State Key Laboratory of Ophthalmology Zhongshan Ophthalmic Center, Sun Yat-Sen University, China)

Tetsuya Matoba, M.D., Ph. D.

(Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka, Japan)

**Promising Therapeutic Strategies for Mesenchymal Stem Cell-Based Cardiovascular Regeneration**

Hun-Jun, Park, MD, Ph.D.

(Division of Cardiology, Uijeonbu St. Mary's Hospital, The Catholic University of Korea)

**The molecular pathogenesis of pulmonary arterial hypertension through activation of aryl hydrocarbon receptor**

Yoshikazu Nakaoka, M.D., Ph.D.

(General of Research Institute, Director of Department of Vascular Physiology, Research Institute, National Cerebral and Cardiovascular Center (NCVC), Suita, Japan)

**Oligonucleotide-Based Modulation of Pulmonary Endothelial Cells: Therapeutic Potential for Vascular Lung Diseases**

Minwook Shin, Ph.D.

(College of Pharmacy, Sookmyung Women's University, Republic of Korea)

**Microglia drive early neuroinflammation post-ischaemic stroke before peripheral leukocyte infiltration**

Joshua H. Bourne, Ph.D.

(Centre for Inflammatory Diseases, Monash University, Melbourne, Australia)

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Participants of AAVBM are also welcome to join JVBMO 2025. While the presentation language may be Japanese depending on the speaker, but the slides will be in English.

More details <https://www.jvbmo2025.com/page0105.html>