

THE 11th SCIENTIFIC MEETING OF ASVB

11 – 14 June 2026 • Singapore • NUS MD11 Auditorium

Conference Schedule

June 11, 2026 (Thursday)

All Day

Arrival

June 12, 2026 (Friday)

9:00-12:00

NUS Campus Visit

15:00-18:00

Registration (NUS MD11 Auditorium) / Visit

15:00-16:00

NUS Yong Loo Lin School of Medicine Visit

16:00-17:00

NUS Pharmacology Department Visit

Venue: MD3 Level 4, general office meeting room

17:00-18:00

Council Meeting

Venue: MD3 Level 4, general office meeting room

18:00-21:00

Dinner | Venue: Jumbo Seafood-East Coast

(Bus pickup point at 18:00, NUS MD11 Auditorium)

For Invited Speakers, Chairs, Judges and Council Members

June 13, 2026 (Saturday) — Day 1, NUS MD11 Auditorium

Opening Ceremony

> Chair: Susan W.S. Leung

8:30-8:35

Opening Remarks

Jinsong Bian • ASVB President

Southern University of Science and Technology

8:35-8:40

Group Photo

Paul M. Vanhoutte Memorial Lecture

> Chair: Jinsong Bian

8:40-9:10

Vascular Remodeling Signals: Receptors from Membrane to Nucleus

Nanping Wang • China

East China Normal University

Section I (12min + 3min QA/15min + 5min QA)

> **Chairs: Yi Zhu, Nanping Wang**

- 9:10-9:30 Innate immunity and vascular injury
Alex FY Chen • China
Xinhua Hospital Affiliated to Shanghai Jiao Tong University School of Medicine
- 9:30-9:50 Vascular Inflammaging in Infectious Diseases and Cancer
Kyoko Hida • Japan
Hokkaido University
- 9:50-10:05 3D genome regulation in cardiovascular disease
Yuliang Feng • China
Southern University of Science and Technology

10:05-10:25 Break / Poster Presentation

> **Chairs: Shigetomo Fukuhara, Wing Tak Jack Wong**

- 10:25-10:45 Seeing Disease as It Happens In Vivo: The Power of Intravital Microscopy
Pilhan Kim • Korea
Korea Advanced Institute of Science and Technology
- 10:45-11:05 DLL4 signaling for cerebrospinal vascular homeostasis
Injune Kim • Korea
Korea Advanced Institute of Science and Technology
- 11:05-11:25 GlycoMedines: A spoonful of sugar helps the medicine go down
Peng George Wang • China
Southern University of Science and Technology
- 11:25-11:45 Matrix metalloproteinase-7 contributes to endothelial dysfunction in atherosclerosis
Susan W.S. Leung • Hong Kong, China
University of Hong Kong
- 11:45-12:00 Transcriptional Regulation of Heart Development
Yangpo Cao • China
Southern University of Science and Technology

12:00-14:00 Lunch / Poster Presentation (Venue: NUS MD11 Auditorium)**Section II (12min + 3min QA/15min + 5min QA)**

> **Chairs: Suowen Xu, Li Wang**

- 14:00-14:20 Vascular Protection Through AGE – RAGE Modulation: Evidence from Lignosus rhinocerus Supplementation in High-Fat Diet-Induced Obese Mice
Dharmani Devi Murugan • Malaysia
University Malaya
- 14:20-14:40 Co-administration of CCL5 with plerixafor and GRO β enhances hematopoietic stem cell mobilization by modulating bone marrow endothelial remodeling
Dongjun Lee • Korea
Pusan National University School of Medicine
- 14:40-15:00 Age-associated erosion of organ-specific endothelial programs compromises tissue function and resilience
Shigetomo Fukuhara • Japan
Nippon Medical School
- 15:00-15:20 Amelioration of Obesity-induced Vascular Dysfunction by Marine Peptides
Wai San Cheang • Macau, China
University of Macau
- 15:20-15:40 Mitochondrial therapy reverses pro-inflammatory exosome signaling to restore vascular

endothelial function
Chia-Ching (Josh) Wu • Taiwan, China
 National Cheng Kung University

15:40-16:00 Break / Poster Presentation

> **Chairs: Wai San Cheang, Yangpo Cao**

- 16:00-16:20 Sam68: A Versatile and Context-Dependent Metabolic Regulator
Gangjian Qin • China
 Southern University of Science and Technology
- 16:20-16:35 The multifaceted roles of PD-L1 in metabolic syndromes
Wing Tak Jack Wong • Hong Kong, China
 The Chinese University of Hong Kong
- 16:35-16:50 Endothelial inflammation and atherosclerosis: from mechanism to therapies
Suowen Xu • China
 University of Science and Technology of China
- 16:50-17:05 From Mechanotransduction to Drug Discovery
Li Wang • Hong Kong, China
 City University of Hong Kong
- 17:05-17:20 Effects and mechanisms of Angiopoietin-like 4, a blood vessel regulator, in immune responses and fibrosis development
Liang Li • China
 Southern University of Science and Technology
- 17:20-17:35 Macrophage and inflammation resolution in AAA
Haocheng Lu • China
 Southern University of Science and Technology

**18:00-20:00 Dinner | Venue: Imperial Restaurant
 (Bus pickup point at 18:00, NUS MD11 Auditorium)**

June 14, 2026 (Sunday) — Day 2, NUS MD11 Auditorium

Section III (12min + 3min QA/15min + 5min QA)

> **Chairs: Gangjian Qin, Xiaowei Nie, Shuang Wang**

- 8:30-8:50 Mechanism Based Therapies for Cardiometabolic Diseases
Yibing Wang • Singapore
 Duke-NUS Medical School
- 8:50-9:10 Lifelong Exercise Attenuates Age-Related Vascular Stiffness Independent of Blood Pressure. A Potential Role for Perivascular Adipose Tissue?
Maik Gollasch • Germany
 University Medicine Greifswald
- 9:10-9:30 Liver – Vascular – Immune Axis in Metabolic Liver Disease – Associated Vasculopathy
Christine Cheung • Singapore
 Nanyang Technological University
- 9:30-9:45 Non-classical role of hepatic transcriptional factor ChREBP in cardiac remodeling
Shuang Zhang • China
 Hefei University of Technology
- 9:45-10:00 Mitochondria-mediated Integrated Stress Response in Endothelial Dysfunction and Atherosclerosis
Xiaoyu Tian • Hong Kong, China

The Chinese University of Hong Kong

10:00-10:20 Break / Poster Presentation> **Chairs: Maik Gollasch, Haocheng Lu**

- 10:20-10:40 Unveiling the Role of Mitochondrial Energy Metabolism in Regulating Blood-Brain Barrier Integrity
Jun Young Heo • **Korea**
ChungNam National University
- 10:40-10:55 Functional heterogeneity of dopamine responses in human intrarenal arteries
Yahan Liu • **China**
Peking University
- 10:55-11:10 The Chemokine CCL17 is a novel therapeutic target for cardiovascular aging and aging-related disease
Yang Zhang • **China**
Zhongshan Hospital Fudan University
- 11:10-11:25 Endothelial and Smooth Muscle Cell Dysfunction in Vascular Diseases: From Molecular Mechanisms to Therapeutic Targets
Shanshan Luo • **China**
Nanjing Medical University
- 11:25-11:40 Phenotypic Switching of Vascular Smooth Muscle Cells and Aortic Dissection
Tingting Zhang • **China**
The Eighth Affiliated Hospital of Sun Yat-sen University

Closing Ceremony> **Chair: Haocheng Lu**

- 11:40-11:50 Awards Presentation
- 11:50-12:00 Closing Remarks
Nanping Wang • **China**
East China Normal University

12:00-14:00 Lunch | Venue: NUS MD11 Auditorium**Young Scholar Forum****June 13, 2026 (Saturday), NUS MD6-02-02A**> **Judges: Christine Cheung, Injune Kim, Haocheng Lu, Yang Yang****(12min + 3min QA)**

- 14:15-14:30 Viral hepatitis established an ANGPTL4-centred inflammatory-vascular niche linked to hepatocellular cancerization
Shumin Liao • **China**
Southern University of Science and Technology
- 14:30-14:45 In Vivo Longitudinal Imaging of the Choroid Plexus Vasculature Using a Cranial Imaging
Kyu Suk Cho • **Korea**
Korea Advanced Institute of Science and Technology

- 14:45-15:00 Endogenous NO Generation and Vascular Homeostasis via the Nitrate-Sialin2-Endosomal PI3K-AKT-eNOS Pathway
Xiaoyu Li • China
Capital Medical University
- 15:00-15:15 KLF13 Regulates Large Vessel Aging by Maintaining Endothelial Homeostasis
Liyuan Huang • China
The Fifth Affiliated Hospital of Sun Yat-sen University
- 15:15-15:30 Identification of TBK1 as a Driver of EndMT in Atherogenesis with Proteomics and Single-Cell Transcriptomics
Yujie Pu • Hong Kong, China
City University of Hong Kong Shenzhen Research Institute
- 15:30-15:45 PLK4 Promotes Hypoxia-Induced Pulmonary Hypertension by Accelerating Smooth Muscle Cell Mitosis
Lixin Huang • China
Southern University of Science and Technology
- 15:45-16:00 Break / Poster Presentation**
- > Judges: Pilhan Kim, Susan W.S. Leung, Lian He, Yijin Wang, Mo Chen
- 16:00-16:15 TXNDC5 Governs Extracellular Matrix Homeostasis in Pulmonary Hypertension
Zhen Chen • China
Southern University of Science and Technology
- 16:15-16:30 RNA 8-Oxoguanine Modification: A Novel Therapeutic Target and Biomarker in Pulmonary Hypertension
Junting Zhang • China
Southern University of Science and Technology
- 16:30-16:45 Deciphering the mechanistic underpinnings of hepatitis E severity: a tale of T cell exhaustion and maladaptive cDC2 activation at single-cell resolution
Xiaoman Liu • China
Southern University of Science and Technology
- 16:45-17:00 Bioorthogonal profiling of hepatocyte-derived small extracellular vesicles identifies MAN1A1 as a target for capture from plasma
Chaoshan Han • China
Southern University of Science and Technology
- 17:00-17:15 Sam68 Limits Glucose Oxidation to Exacerbate Cardiac Hypertrophy and Failure
Junqing An • China
Southern University of Science and Technology
- 17:15-17:30 A Calcium-Complexed Nanonetwork Remodels Tumor Vasculature and Physically Encapsulates Tumors to Inhibit Invasion and Distant Metastasis
Mingyuan Li • China
University of Chinese Academy of Sciences