

Named Lecture 1

June 1 (Mon) 10:00 - 10:45 Room A: Fuji

6th Robert F. Furchgott Lecture on Endothelium

Importance of the Endothelium in Coordinating Vasomotor Responses

Kim A. Dora

(Department of Pharmacology, University of Oxford, UK)

Named Lecture 2

June 1 (Mon) 14:15 - 15:00 RoomB: Chiyo1

7th John T. Shepherd Lecture on Nervous Control

The Catecholamines Strike Back: What NO Does Not Do!

Michael J. Joyner

(Department of Anesthesiology Mayo Clinic College of Medicine, USA)

Named Lecture 3

June 2 (Tue) 12:15 - 13:00 RoomB: Chiyo1

5th David F. Bohr Lecture on Vascular Smooth Muscle

Astrocytic Endfoot Calcium and BK Channels Determine Cerebrovascular Dilation and Constriction during Neurovascular Coupling

Mark Nelson

(Department of Pharmacology, University of Vermont, USA)

Named Lecture 4

June 3 (Wed) 8:30 - 9:15 RoomA: Fuji

4th Björn Folkow Lecture on Growth and Remodeling

Molecular Mechanisms of Arterial Remodeling

Peter Libby

(Brigham and Women's Hospital and Harvard Medical School, USA)

Named Lecture 5

June 3 (Wed) 14:15 - 15:00 RoomB: Chiyo1

3rd Paul M. Vanhoutte Lecture on Vascular Pathophysiology

The Vessel on Fire: From Endothelial Dysfunction to Acute Coronary Syndrome

Thomas F. Lüscher

(Cardiovascular Center, University Hospital Zurich, Switzerland)

Symposium 1

Endothelial Cells **June 1 (Mon) 10:00 - 11:45 RoomA: Fuji**

Chairpersons: V. Schini-Kerth

*(Laboratory of Biophotonic and Pharmacology, University of Strasbourg,
Faculty of Pharmacy, France)*

Yukio Hirata

*(Department of Clinical and Molecular Endocrinology, Tokyo Medical and
Dental University Graduate School, Japan)*

Symposium 2

Neural Control **June 1 (Mon) 14:15 - 16:00 RoomB: Chiyo1**

Chairpersons: Jo G.R. De Mey

*(Department of Pharmacology and Toxicology, Cardiovascular Research
Institute Maastricht, Maastricht University, The Netherlands)*

Yoshitaka Hirooka

(Department of Cardiovascular Medicine, Kyushu University, Japan)

Symposium 3

Vascular Smooth Muscle **June 2 (Tue) 12:15 - 14:00 RoomB: Chiyo1**

Chairpersons: Richard A. Cohen

*(Vascular Biology Unit, Whitaker Cardiovascular Institute, Boston
University School of Medicine, USA)*

Masaaki Ito

*(Department of Cardiology, Mie University Graduate School of Medicine,
Japan)*

Symposium 4

Remodeling **June 3 (Wed) 8:30 - 10:15 RoomA: Fuji**

Chairpersons: Thomas F. Lüscher

(Cardiovascular Center, University Hospital Zurich, Switzerland)

Toru Kita

(Kobe City Medical Center General Hospital, Japan)

Symposium 5

Pathophysiology **June 3 (Wed) 14:15 - 16:00 RoomB: Chiyo1**

Chairpersons: Arnold G. Herman

(University of Antwerp, Belgium)

Masunori Matsuzaki

*(Department of Medicine and Clinical Science, Division of Cardiology,
Yamagushi University Graduate School of Medicine, Japan)*

Special Symposium

Signals from Outer Space June 2 (Tue) 8:30 - 11:00 RoomA: Fuji

Chairpersons: Paul M. Vanhoutte

*(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of
Medicine, The University of Hong Kong, Hong Kong, China)*

Hiroaki Shimokawa

*(Department of Cardiovascular Medicine, Tohoku University Graduate
School of Medicine, Japan)*

Young Investigator's Award Competition

Young Investigator's Award Competition June 1 (Mon) 8:30 - 9:45 RoomA: Fuji

Chairpersons: Paul M. Vanhoutte

*(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of
Medicine, The University of Hong Kong, Hong Kong, China)*

Hiroaki Shimokawa

*(Department of Cardiovascular Medicine, Tohoku University Graduate
School of Medicine, Japan)*

Referees: Richard A. Cohen

*(Vascular Biology Unit, Whitaker Cardiovascular Institute, Boston
University School of Medicine, USA)*

Kim Dora

(Department of Pharmacology, University of Oxford, UK)

Yuansheng Gao

*(Department of Physiology and Pathophysiology, Peking University Health
Science Center, China)*

Chris Gerland

(Department of Pharmacology, University of Oxford, UK)

Ken-ichi Hirata

*(Division of Cardiovascular Medicine, Department of Internal Medicine,
Kobe University Graduate School of Medicine, Japan)*

Hiroshi Ito

*(Department of Cardiovascular Medicine, Akita University Graduate
School of Medicine, Japan)*

Masaaki Ito

*(Department of Cardiology, Mie University Graduate School of Medicine,
Japan)*

Masahiko Kurabayashi

*(Department of Medicine and Biological Science, Gunma University
Graduate School of Medicine, Japan)*

Hiroaki Shimokawa

*(Department of Cardiovascular Medicine, Tohoku University Graduate
School of Medicine, Japan)*

Paul M. Vanhoutte

*(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of
Medicine, The University of Hong Kong, Hong Kong, China)*

Morning Seminar 1

June 1 (Mon) 7:30 - 8:20 RoomB: Chiyo1

Chairperson: Masato Tsutsui

(Department of Pharmacology, Faculty of Medicine, University of the Ryukyus, Japan)

Orally Administered Eicosapentaenoic Acid Reduces and Stabilizes Atherosclerotic Lesions

Masataka Sata

(Department of Cardiovascular Medicine, Institute of Health Biosciences, The University of Tokushima Graduate School, Japan)

Sponsored by Mochida Pharmaceutical Co., Ltd.

Morning Seminar 2

June 2 (Tue) 7:30 - 8:20 RoomB: Chiyo1

Chairperson: Yoshitaka Hirooka

(Department of Cardiovascular Medicine, Kyushu University, Japan)

Practice of Hypertension in Near Future: Perspective of Blood Pressure and Heart Rate Monitoring

Yutaka Imai

(Department of Clinical Pharmacology and Therapeutics, Tohoku University Graduate School of Pharmaceutical Science and Medicine, Japan)

Sponsored by Astra Zeneca K.K.

Morning Seminar 3

June 3 (Wed) 7:30 - 8:20 RoomB: Chiyo1

Chairperson: Yasufumi Sato

(Department of Vascular Biology, Institute of Development, Aging and Cancer, Tohoku University, Japan)

Roles of Rho/Rho-kinase in Cellular Functions and Diseases

Mutsuki Amano

(Department of Cell Pharmacology, Graduate School of Medicine, Nagoya University, Japan)

Sponsored by ASAHI KASEI PHARMA CORPORATION

Luncheon Seminar 1

June 1 (Mon) 12:15 - 13:15 RoomA: Fuji

Chairperson: Hiroshi Ito

(Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Japan)

Pathophysiology of Cardiovascular Disease

Richard A. Cohen

(Physiology, Pharmacology and Experimental Therapeutics, Boston University School of Medicine Vascular Biology Unit, Department of Medicine, Whitaker Cardiovascular Institute, Boston University School of Medicine, U.S.A.)

Sponsored by Banyu Pharmaceutical Co., Ltd.

Luncheon Seminar 2

June 1 (Mon) 12:15 - 13:15 RoomB: Chiyo1

Chairperson: Masaaki Ito

(Department of Cardiology, Mie University Graduate School of Medicine, Japan)

FFA and Mobile Renin-Angiotensin System in Man

Shinichiro Ueda

(Department of Clinical Pharmacology & Therapeutics, University of the Ryukyus, Japan)

Sponsored by Takeda Pharmaceutical Company

Luncheon Seminar 3

June 2 (Tue) 11:15 - 12:15 RoomA: Fuji

Chairperson: Toru Kita

(Kobe City Medical Center General Hospital, Japan)

Inflammation in Atherosclerosis from Bench to Bedside

Peter Libby

(Brigham and Women's Hospital and Harvard Medical School, USA)

Sponsored by SHIONOGI & CO., LTD

Luncheon Seminar 4

June 2 (Tue) 11:15 - 12:15 RoomB: Chiyo1

Chairperson: Ikuo Morita

(Department of Cellular Physiological Chemistry, Tokyo Medical and Dental University, Japan)

Dysfunction of Endothelial Derived Relaxing Factors Caused by Long-term in Vivo Administration of Nitrate

Takeo Itoh

(Department of Pharmacology, Graduate School of Medical Sciences, Nagoya City University, Japan)

Sponsored by Eisai Co., Ltd.

Luncheon Seminar 5

June 3 (Wed) 12:00 - 13:00 RoomA: Fuji

Chairperson: Toyoaki Murohara

(Department of Cardiology, Nagoya University, Japan)

Multifunctionality of Sildenafil, an PDE-5 inhibitor

- Pulmonary Vasodilatation and beyond -

Tsutomu Saji

(Division of Pediatric Cardiology, Pulmonary Hypertension & Kawasaki Disease, Department of Pediatrics, Toho University, Medical Center Omori Hospital, Japan)

Sponsored by Pfizer Japan Inc.

Luncheon Seminar 6

June 3 (Wed) 12:00 - 13:00 RoomB: Chiyo1

Chairperson: Norihiro Suzuki

(Department of Neurology, Keio University School of Medicine, Japan)

CO-mediated Modulation of H₂S Generation via CBS: A Putative Tonic Mechanism for Neurovascular Units

Makoto Suematsu

(Department of Biochemistry & Integrative Medical Biology School of Medicine, Keio University, Japan)

Sponsored by Otsuka Pharmaceutical Co., Ltd.

Afternoon Seminar 1

June 1 (Mon) 15:00 - 16:15 RoomA: Fuji

Chairperson: Ken-ichi Hirata

*(Division of Cardiovascular Medicine, Department of Internal Medicine,
Kobe University Graduate School of Medicine, Japan)*

Possible Mechanisms of Multiple Effects of Calcium Channel Blockers on Inhibition of Vascular Injury, Metabolic Syndrome, Ischemic Brain Damage and Cognitive Decline

Masatsugu Horiuchi

(Department of Molecular Cardiovascular Biology and Pharmacology, Ehime University Graduate School of Medicine, Japan)

Vascular Protective Effects of Calcium Channel Blockers in vitro and in vivo

Thomas F. Lüscher

(Department of Cardiology & Cardiovascular Center, University Hospital Zurich, Switzerland)

Sponsored by Bayer Yakuhin, Ltd.

Afternoon Seminar 2

June 2 (Tue) 13:00 - 14:15 RoomA: Fuji

Chairperson: Masahiko Kurabayashi

(Department of Medicine and Biological Science, Gunma University Graduate School of Medicine, Japan)

Comprehensive and Collective Approaches to Find New and Effective Treatment of Circulatory Diseases from Genomic Database

Masafumi Kitakaze

(Cardiovascular Division, National Cardiovascular Center, Japan)

The Role of ADMA in Vascular Disease

John Cooke

(Stanford Cardiovascular Institute, USA)

Sponsored by Novartis Pharma

Afternoon Seminar 3

June 3 (Wed) 15:00 - 16:15 RoomA: Fuji

Chairperson: Yukio Hirata

(Department of Clinical and Molecular Endocrinology, Tokyo Medical and Dental University Graduate School, Japan)

Ca_v Channels and Their Modifiers: Molecular Identification of the Binding Sites

Teruyuki Yanagisawa

(Department of Molecular Pharmacology, Tohoku University Graduate School of Medicine, Japan)

ACE-inhibitors and Endothelial Function

Paul M. Vanhoutte

(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong, China)

Sponsored by Kyowa Hakko Kirin Co., Ltd.

Special Seminar 1

June 1 (Mon) 16:30 - 18:00 RoomA: Fuji

Chairperson: Kimihiro Komori

(Division of Vascular Surgery, Department of Surgery, Nagoya University Graduate School of Medicine, Japan)

Therapeutic Strategy for Peripheral Arterial Disease: Pharmacological Therapy and Angiogenesis –Roles of Serotonin and Nitric Oxide–

Yukihito Higashi

(Department of Cardiovascular Physiology and Medicine, Department of Regeneration and Medicine, Graduate School of Biomedical Sciences, Hiroshima University, Japan)

Evidence for a Unique Role of Serotonin in the Sick Vessel Syndrome

Donald D. Heistad

(Department of Internal Medicine, University of Iowa, USA)

Sponsored by Mitsubishi Tanabe Pharma Corporation

Special Seminar 2

June 2 (Tue) 14:15 - 15:45 RoomA: Fuji

Chairperson: Toyoaki Murohara

(Department of Cardiology, Nagoya University, Japan)

Vascular Failure and Vascular Endothelial Function

Koichi Node

(Cardiovascular and Renal Medicine, Saga University)

Learning from the Largest ARB Mega-trials: Results from ONTARGET and
TRANSCEND

Roland Schmieder

*(Department of Nephrology and Hypertention, University of Erlangen-Nuremberg,
Germany)*

Sponsored by Nippon Boehringer Ingelheim Co., Ltd. / Astellas Pharma Inc.

Special Seminar 3

June 3 (Wed) 16:30 - 18:00 RoomA: Fuji

Chairperson: Masunori Matsuzaki

*(Department of Medicine and Clinical Science, Yamaguchi University
Graduate School of Medicine, Japan)*

New Mechanism of Coronary Endothelial Dysfunction in Humans

Amir Lerman

(The Division of Cardiovascular Diseases, Mayo Clinic, USA)

25 Years of Endothelial Research in Humans: Where We Have Been and Where We
Are Heading

Peter Ganz

(University of California, San Francisco, USA)

Sponsored by Daiichi-Sankyo

Oral 1

Pathophysiology 1 June 1 (Mon) 8:45 - 10:00 RoomB: Chiyo1

Chairpersons: John Christie McGrath

(Integrative and Systems Biology, University of Glasgow, UK)

Masataka Sata

*(Department of Cardiovascular Medicine, Institute of Health Biosciences,
The University of Tokushima Graduate School, Japan)*

Oral 2

Pathophysiology 2 June 1 (Mon) 10:45 - 12:00 RoomB: Chiyo1

Chairpersons: Yu Huang

*(Department of Physiology, Chinese University of Hong Kong, Hong Kong,
China)*

Takayuki Shindo

*(Department of Organ Regeneration, Shinshu University Graduate School
of Medicine, Japan)*

Oral 3

Endothelial Cells 1 June 2 (Tue) 8:45 - 9:45 RoomB: Chiyo1

Chairpersons: Ingrid Fleming

(Goethe University Frankfurt, Germany)

Ken-ichi Hirata

*(Division of Cardiovascular Medicine, Department of Internal Medicine,
Kobe University Graduate School of Medicine, Japan)*

Oral 4

Vascular Smooth Muscle June 2 (Tue) 10:00 - 11:00 RoomB: Chiyo1

Chairpersons: Mark T. Nelson

(Department of Pharmacology, University of Vermont, USA)

Ikuo Morita

*(Department of Cellular Physiological Chemistry, Tokyo Medical and
Dental University, Japan)*

Oral 5

Endothelial Cells 2 June 3 (Wed) 9:15 - 10:30 RoomB: Chiyo1

Chairpersons: Masato Tsutsui

*(Department of Pharmacology, Faculty of Medicine, University of the
Ryukyus, Japan)*

Toyoaki Murohara

(Department of Cardiology, Nagoya University, Japan)

Oral 6

Endothelial Cells 3 June 3 (Wed) 10:30 - 11:45 RoomB: Chiyo1

Chairpersons: Maik Gollasch

*(Medical Clinic for Nephrology and Internal Intensive Care, Charite
University Medicine Berlin, Germany)*

Yukio Hirata

*(Department of Clinical and Molecular Endocrinology, Tokyo Medical and
Dental University Graduate School, Japan)*

Poster 1

Natural Products June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Ricky Y.K. Man

*(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of
Medicine, The University of Hong Kong, Hong Kong, China)*

V. Schini-Kerth

*(Laboratory of Biophotonic and Pharmacology, University of Strasbourg,
Faculty of Pharmacy, France)*

Poster 2

Oxidative Stress June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Richard A. Cohen

*(Vascular Biology Unit, Whitaker Cardiovascular Institute, Boston
University School of Medicine, USA)*

Noriaki Kume

(Department of Cardiovascular Medicine, Kyoto University, Japan)

Poster 3

Angiotensin II/ARB/Aldosterone ET June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Johan Van de Voorde

*(Department of Pharmacology, Vascular Research Unit, Ghent University,
Belgium)*

Koichi Node

*(Department of Cardiovascular and Renal Medicine, Saga University,
Japan)*

Poster 4

Aging/Atherosclerosis June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Peter Libby

(Brigham and Women's Hospital, Cardiovascular Medicine, USA)

Yasufumi Sato

*(Department of Vascular Biology, Institute of Development, Aging and
Cancer, Tohoku University, Japan)*

Poster 5

EDHF/Estrogen/Angiogenesis June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Sue Piper Duckles

(Department of Pharmacology, School of Medicine, University of California Irvine, USA)

Gozoh Tsujimoto

(Department of Genomic Drug Discovery Science, Graduate School of Pharmaceutical Sciences Kyoto University Faculty of Pharmaceutical Sciences, Japan)

Poster 6

Vascular Tone June 1 (Mon) 13:15 - 14:15 Poster & Exhibition: Chiyo2

Chairpersons: Patrick J. Pagano

(Hemostasis and Vascular Biology Research Institute and Department of Pharmacology and Chemical Biology, University of Pittsburgh, USA)

Kimihiko Komori

(Division of Vascular Surgery, Department of Surgery, Nagoya University Graduate School of Medicine, Japan)

Poster 7

Adrenoceptors/Adrenergic Nerve June 2 (Tue) 14:15 - 15:15 Poster & Exhibition: Chiyo2

Chairpersons: Michael J. Joyner

(Department of Anesthesiology, Mayo Clinic, USA)

Norihiro Suzuki

(Department of Neurology, Keio University School of Medicine, Japan)

Poster 8

Microcirculation June 2 (Tue) 14:15 - 15:15 Poster & Exhibition: Chiyo2

Chairpersons: Richard A. Cohen

(Vascular Biology Unit, Whitaker Cardiovascular Institute, Boston University School of Medicine, USA)

Toyotaka Yada

(Department of Medical Engineering and Systems Cardiology, Kawasaki Medical School, Japan)

Poster 9

Cardiac Remodeling June 2 (Tue) 14:15 - 15:15 Poster & Exhibition: Chiyo2

Chairpersons: Jo G.R. De Mey

(Department of Pharmacology and Toxicology, Cardiovascular Research Institute Maastricht, Maastricht University, The Netherlands)

Hiroshi Ito

(Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Japan)

Poster 10

HT/PH June 2 (Tue) 14:15 - 15:15 Poster & Exhibition: Chiyo2

Chairpersons: Heikki Vapaatalo

(Institute of Biomedicine, Pharmacology, University of Helsinki, Finland)

Masaaki Ito

(Department of Cardiology, Mie University Graduate School of Medicine, Japan)

Poster 11

NOS June 2 (Tue) 14:15 - 15:15 Poster & Exhibition: Chiyo2

Chairpersons: Ralf P. Brandes

(Institute for Cardiovascular Physiology, Faculty of Medicine, Goethe-University Frankfurt, Germany)

Masato Tsutsui

(Department of Pharmacology, Faculty of Medicine, University of the Ryukyus, Japan)

Poster 12

Statins/PPAR June 3 (Wed) 13:00 - 14:00 Poster & Exhibition: Chiyo2

Chairpersons: Ricky Y.K. Man

(Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong, China)

Masahiko Kurabayashi

(Department of Medicine and Biological Science, Gunma University Graduate School of Medicine, Japan)

Poster 13

NO/Gaseous Mediators June 3 (Wed) 13:00 - 14:00 Poster & Exhibition Chiyo2

Chairpersons: Yuansheng Gao

(Department of Physiology and Pathophysiology, Peking University Health Science Center, China)

Donald D. Heistad

(Division of Cardiovascular Medicine, Department of Medicine, University of Iowa, USA)

Poster 14

Diabetes Mellitus June 3 (Wed) 13:00 - 14:00 Poster & Exhibition: Chiyo2

Chairpersons: Thomas F. Lüscher

(Cardiovascular Center, University Hospital Zurich, Switzerland)

Yoshihiro Fukumoto

(Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Japan)

Poster 15

Vasodilators June 3 (Wed) 13:00 - 14:00 Poster & Exhibition: Chiyo2

Chairpersons: Kim Dora

(Department of Pharmacology, University of Oxford, UK)

Jun Sukegawa

(Department of Molecular Pharmacology, Tohoku University Graduate School of Medicine, Japan)

Poster 16

Ion Channels June 3 (Wed) 13:00 - 14:00 Poster & Exhibition: Chiyo2

Chairpersons: Chris Gerland

(Department of Pharmacology, University of Oxford, UK)

Teruyuki Yanagisawa

(Department of Molecular Pharmacology, Tohoku University Graduate School of Medicine, Japan)

Poster 17

Blood Cells/Autacoids June 3 (Wed) 13:00 - 14:00 Poster & Exhibition: Chiyo2

Chairpersons: Yu Huang

(Department of Physiology, Chinese University of Hong Kong, Hong Kong, China)

Arnold G. Herman

(University of Antwerp, Belgium)