

PROGRAM

Friday, March 16, 2012

Opening Remarks

8 : 55~9 : 00

President : Akira Fujimura

Applicants' Presentations for Young Investigators Award

9 : 00~9 : 30

Chair : Tetsuro Yamamoto

Y-1 Watershed of the subcutaneous capillary lymphatic network at the midline of the body trunk

Yoshinori Ando¹⁾, Shinji Furukawa²⁾, Hiroyuki Miura²⁾, Akira Fujimura¹⁾

¹⁾Department of Anatomy, Division of Functional Morphology, Iwate Medical University,

²⁾Department of Developmental Oral Health Science, Division of Orthodontics, School of Dentistry, Iwate Medical University, Japan

Y-2 Expression of autotoxin / lysophospholipase D in high endothelial venule-like vessel and its role on aberrant lymphocyte migration in inflamed intestinal mucosa

Hideaki Hozumi, Ryota Hokari, Chie Kurihara, Hirokazu Sato, Kazuyuki Narimatsu, Shingo Sato, Toshihide Ueda, Masaaki Higashiyama, Yoshikiyo Okada, Chikako Watanabe, Kengo Tomita, Atsushi Kawaguchi, Shigeaki Nagao, Soichiro Miura

National Defense Medical Collage, Japan

Free Paper (1) Brain, Nerve I

9 : 30~10 : 18

Chair : Norihiro Suzuki

F-1 Laser-induced thrombus formation in angiotensin II type 1a receptor-knockout murine brain microvasculature observed on intravital fluorescence microscopy

Hajime Maruyama, Takuya Fukuoka, Norio Tanahashi

Department of Neurology and Cerebrovascular Medicine, Saitama Medical University International Medical Center, Japan

F-2 Changes in diameter of cerebral microvessels and blood flow associated with potassium-induced cortical spreading depression in anesthetized mice

Miyuki Unekawa¹⁾, Yutaka Tomita¹⁾, Haruki Toriumi¹⁾, Taeko Ebine¹⁾, Kazuto Masamoto^{2),3)}, Yoshiaki Itoh¹⁾, Iwao Kanno³⁾, Norihiro Suzuki¹⁾

¹⁾Department of Neurology, School of Medicine, Keio University, Japan, ²⁾Center for Frontier Science and Engineering, University of Electro-Communications, Japan, ³⁾Molecular Imaging Center, National Institute of Radiological Sciences, Japan

F-3 Measurement of change in RBC velocity and concentration evoked by whisker stimulation in awake and anesthesia mice

Hiroyuki Takuwa¹⁾, Tetsuya Matsuura^{1), 2)}, Takayuki Obata^{1), 3)}, Hiroshi Kawaguchi¹⁾, Iwao Kanno¹⁾, Hiroshi Ito¹⁾

¹⁾ Molecular Imaging Center, National Institute of Radiological Sciences, Japan, ²⁾ Faculty of Engineering, Iwate University, Japan, ³⁾ Research Center for Charged Particle Therapy, National Institute of Radiological Sciences, Japan

F-4 Barrel Cortex Activity to Whisker Stimulation and CO₂ Response Measured in Mice with Suppressed Neurovascular Coupling Induce by Prolonged Continuous Hypoxia

Iwao Kanno¹⁾, Kazuto Masamoto^{1), 2)}, Hiroyuki Takuwa¹⁾, Kyoko Yamazaki³⁾, Hiroshi Kawaguchi¹⁾, Junko Taniguchi¹⁾, Yutaka Tomita⁴⁾, Norihiro Suzuki⁴⁾, Hiroshi Ito¹⁾

¹⁾Molecular Imaging Center, National Institute of Radiological Sciences, ²⁾Center for Frontier Science and Engineering, University of Electro-Communications, ³⁾Faculty of Science and Engineering, Toyo University, ⁴⁾Department of Neurology, School of Medicine, Keio University, Japan

Free Paper (2) Brain, Nerve II

10 : 20~10 : 56

Chair : Yasuo Terayama

F-5 Effect of Clostazol on intramicrovascular behavior of platelets in murine brain after bilateral common carotid artery occlusion and reperfusion

Takuya Fukuoka, Makiko Hirayama, Hajime Maruyama, Norio Tanahashi

Department of Neurology, Saitama Medical University Saitama International Medical Center, Saitama, Japan

F-6 Immediate post-stroke administration of cilostazol alters profiles of various metabolic pathways in a mouse model of brain ischemia

Yoshinori Yukutake^{1), 2)}, Katsuji Hattori¹⁾, Takayuki Morikawa¹⁾, Tsuyoshi Nakanishi^{1), 3)}, Yoshiko Nagahata^{1), 2)}, Takako Hishiki¹⁾, Mayumi Kajimura^{1), 2)}, Makoto Suematsu^{1), 2)}

¹⁾ Department of Biochemistry, School of Medicine, Keio University, Japan, ²⁾ JST, ERATO, Suematsu Gas Biology Project, Japan, ³⁾ MS Business Unit, Shimadzu Corporation, Japan

F-7 CO-sensitive CBS/H₂S pathway mediates hypoxia-induced microvascular dilation in the brain

Takayuki Morikawa, Mayumi Kajimura, Tomomi Nakamura, Takako Hishiki, Tsuyoshi Nakanishi, Yoshinori Yukutake, Makoto Suematsu

Department of Biochemistry, School of Medicine, Keio University, Tokyo, Japan

F-8 Microcirculation changes of periodontal tissue after ultrasonic tooth preparation

Masato Matsuo, Shun-Suke Takahashi, Shuta Sugiyama, Masaichi C-Lee
Kanagawa Dental College, Yokosuka, Japan

F-9 Gingival Vascular Functions Are Altered in Periodontitis and/or Stroke Rodent Model

Fumiaki Tokutomi, Satoko Wada-Takahashi, Shuta Sugiyama, Shun-suke Takahashi, Masaichi Chang-il Lee
Department of Clinical Care Medicine, Division of Pharmacology and ESR Laboratory, Kanagawa Dental College, Yokosuka, Japan

F-10 A case series of 21 patients with gastric antral vascular ectasia: Clinical aspects and treatment with argon plasma coagulation

Eisuke Iwasaki^{1),2)}, Hidekazu Suzuki¹⁾, Hiroyuki Imaeda¹⁾, Atsushi Nakazawa²⁾, Nobuhiro Tsukada²⁾, Toshifumi Hibi¹⁾

¹⁾Division of Gastroenterology and Hepatology, Department of Internal Medicine, Keio University School of Medicine, Tokyo, Japan, ²⁾ Department of Internal Medicine, Saiseikai Central Hospital, Japan

Council Meeting of JSMC

11 : 40~12 : 15

Luncheon Seminar (1)

12 : 30~13 : 15

Chair : Go Wakabayashi

LS 1 Nobuyuki Takakura

Department for Signal Transduction, Research Institute for Microbial Diseases, Osaka University
(Sponsored by Chugai Pharmaceutical Co., LTD.)

Special Lecture

13 : 30~14 : 45

Chair : Akira Fujimura

SL Elucidation of the molecular mechanisms underlying the ligand-controlled growth and differentiation of mesenchymal stem/progenitor cells: study on the establishment of novel cell therapy for construction of a vascular system

Akira Ishisaki, PhD & DDS

Division of Cellular Biosignal Sciences, Department of Biochemistry, Iwate Medical University, Japan

F-11 The expression of podoplanin and classical cadherins in the mouse choroid plexus

Chiaki Kaji¹⁾, Miwa Tomooka¹⁾, Hiroshi Kojima¹⁾, Yoshihiko Sawa²⁾

¹⁾Department of Oral Growth & Development, Fukuoka Dental College, ²⁾Department of Morphological Biology, Fukuoka Dental College, Japan

F-12 Effects of breathing method on the peripheral circulatory response and the brain blood flow in elders

Miyuki Nishioka, Shinji Ishihama, Yukio Tanaka

Institute of technology, Division of advanced health science, Tokyo University of Agriculture & Technology, Japan

F-13 Topical latanoprost increases retinal blood flow in the macular circulation

Naomi Niwa, Tomoaki Hattori, Miho Nozaki, Yuichiro Ogura

Department of Ophthalmology & Visual Science, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

F-14 Ultra-widefield Fluorescein Angiography with Scanning Laser Ophthalmoscope

Tomoaki Hattori, Shuichiro Hirahara, Miho Nozaki, Tsutomu Yasukawa, Munenori Yoshida, Yuichiro Ogura

Department of Ophthalmology and Visual Science, Nagoya City University Graduate School of Medical Sciences, Japan

Evening Seminar

16 : 00~17 : 00

Chair : Yasuo Terayama

ES Norio Tanahashi

Department of Neurology, Saitama Medical University Saitama International Medical Center
(Sponsored by Takeda Pharmaceutical Co., LTD.)

Award Ceremony / Reception

17 : 30~20 : 00