



Ito International Research Center Symposium

The University of Tokyo

**THE 4TH SYMPOSIUM OF
MAX PLANCK-THE UNIVERSITY OF TOKYO
CENTER FOR INTEGRATIVE INFLAMMOLOGY**

20 – 22 November 2017

Tokyo, Japan

Subsidized by Inoue Foundation for Science,
TERUMO FOUNDATION for LIFE SCIENCES and ARTS

Please note we will take photos during the symposium for our records and our HP.

If you don't want to be included, please let us know.

Office of Max Planck-The University of Tokyo Center for Integrative Inflammation

Komaba 4-6-1, Meguro-ku, Tokyo, Japan

Website: <http://mputc.com/index.html> , Tel: 03-5452-6491

DAY 1 – Monday, 20 November 2017

16:00 **Opening address: Tadatsugu Taniguchi (The University of Tokyo, Co-Director of MPUTC)**

Chair: Tadatsugu Taniguchi (The University of Tokyo, Co-Director of MPUTC)

16:10-16:50 **Keynote Lecture: Shoji Takeuchi (The University of Tokyo)**
Microfluidic technology for biomedical applications

16:50-17:20 Coffee Break

Chair: Masanori Hatakeyama (The University of Tokyo, Deputy Director of MPUTC)

17:20-18:00 **Keynote Lecture: Dietmar Vestweber (Max Planck Institute for Molecular Biomedicine, Deputy Director of MPUTC)**
Molecular mechanisms that control leukocyte diapedesis through the vessel wall

18:20- Reception follows for registered members (See appendix)

DAY 2 – Tuesday, 21 November 2017

Session1: Integrative Approach to Biomedical Science

Chair: Takao Shimizu (The University of Tokyo)

- 9:30-10:00 **Special talk: Mikiko Siomi (The University of Tokyo)**
How does RNA silencing maintain the integrity of germline genome?
- 10:00-10:30 **Special talk: Tomohiko Okazaki (The University of Tokyo)**
Differential control of interferon and apoptotic responses to viral infection
- 10:30-10:50 **Marie Shinohara (The University of Tokyo)**
Liver and pancreatic tissue formation on oxygen-permeable membranes
- 10:50-11:20 Coffee Break

Session2: Infection and Host Responses

Chair: Friedemann Kiefer (Max Planck Institute for Molecular Biomedicine)

- 11:20-11:40 **Masanori Hatakeyama (The University of Tokyo, Deputy Director of MPUTC)**
Role of geographical polymorphism in determining oncogenic performance of *Helicobacter pylori*
- 11:40-12:00 **Hiroko Nishikawa (The University of Tokyo)**
Biochemical analysis of PAR1b, a target of *H. pylori* CagA oncoprotein
- 12:00-12:20 **Tom Yu-Tung LI (Max Planck Institute for Molecular Biomedicine)**
Endothelial CD99 supports neutrophil arrest to and diapedesis through the blood vessel wall
- 12:20-12:40 **Thomas F. Meyer (Max Planck Institute for Infection Biology)**
Gastric gland homeostasis and immune surveillance of *Helicobacter pylori*
- Lunch break (Registered members, see appendix)

Session3: Inflammation and Associated Diseases

Chair: Yasuyuki Sakai (The University of Tokyo)

14:40-15:10 **Special talk: Susumu Nakaie (The University of Tokyo)**
IL-33 in airway inflammation

15:10-15:30 **Hideyuki Yanai (The University of Tokyo)**
Role of HMGB1 in inflammation and cancer

15:30-15:50 **Naoto Kawakami (Max Planck Institute of Neurobiology)**
Visualizing brain inflammation

15:50-16:10 Coffee Break

Session4: Lymphocytes in Development and Diseases

Chair: Hideyuki Yanai (The University of Tokyo)

16:10-16:30 **Divine-Fondzenyuy Lawir (Max Planck Institute of Immunobiology and Epigenetics)**
Identification of novel regulators and genetic pathways important for T Lymphocyte development in vertebrates

16:30-16:50 **Kohei Kometani (Max Planck Institute of Immunobiology and Epigenetics)**
Haploinsufficiency of transcription factor EBF1 and Pax5 in pro-B cell leukemia

16:50-17:10 **Kazuhiko Yamamoto (RIKEN Center for Integrative Medical Sciences)**
Polygenic burdens on cell-specific pathways underlie the risk of rheumatoid arthritis

17:20- Reception follows for registered members (See appendix)

DAY 3 – Wednesday, 22 November 2017

Session5: Autoimmunity and Inflammation (1)

Chair: Toru Miyazaki (The University of Tokyo)

9:30-10:00 **Special talk: Keishi Fujio (The University of Tokyo)**

A landscape of autoimmune diseases from multisubset transcriptome analysis

10:00-10:20 **Tomohisa Okamura (The University of Tokyo)**

Role of Egr2/Egr3 in regulatory T cell-mediated humoral immune tolerance

10:20-10:40 **Hiroshi Kiyono (The University of Tokyo)**

Gut Regulatory Machinery of Epithelial Cells, Immune Cells and Commensal Bacteria for Mucosal Homeostasis and Inflammation

10:40-11:10 Coffee Break

Session6: Autoimmunity and Inflammation (2)

Chair: Thomas F. Meyer (Max Planck Institute for Infection Biology)

11:10-11:30 **Satoko Arai (The University of Tokyo)**

Study on activation of circulating AIM in multiple diseases – from NASH-HCC to acute kidney injury –

11:30-11:50 **Toru Miyazaki (The University of Tokyo)**

Inflammatory and anti-inflammatory states of adipose tissue in transgenic mice bearing a single T-cell receptor

11:50-12:10 **Friedemann Kiefer (Max Planck Institute for Molecular Biomedicine)**

Different importance of VE-cadherin for development and maintenance of various lymphatic vessel beds

12:10-12:30 **Hartmut Wekerle (Max Planck Institute of Neurobiology)**

Microbiota and Brain Autoimmunity: From Bedside to Bench and Back

12:30-12:40 **Closing remarks: Masanori Hatakeyama (The University of Tokyo, Deputy Director of MPUTC)**

13:00- Lunch follows for registered members (See appendix)

Symposium Venue

Seminar Room, Ito International Research Center 3F, Hongo campus, The University of Tokyo

7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8654

<http://www.u-tokyo.ac.jp/ext01/iirc/en/access.html>

