

Tuesday, Dec 16

18:00 – 18:20 **Welcome address (Dietmar Vestweber, Tada Taniguchi)**

18:20 – 19:00 **Keynote lecture (Chair: Dietmar Vestweber)**
Masanori Hatakeyama (The University of Tokyo)
Infection, Inflammation and Cancer: the eternal triangle?

DINNER

Wednesday, Dec 17

Session 1: **Infection, cancer and immunity** **9:00 – 11:10**
(Chair: Takao Shimizu)

09:00 – 09:25 **Thomas Meyer** (The Max Planck Society)
Innate response of the gastric mucosa upon infection by *Helicobacter pylori*

09:25 – 09:40 **Hiroko Nishikawa** (The University of Tokyo)
Helicobacter pylori CagA polymorphisms and their implications in cancer

09:40 – 09:55 **Philipp Schlaermann** (The Max Planck Society)
A human gastric primary epithelial cell modeled to study *H. pylori* infection

09:55 – 10:20 **Tatsuhiko Kodama** (The University of Tokyo)
Molecular dynamics design of antibody drug for the treatment of advanced cancer

10:20 – 10:45 **COFFEE**

10:45 – 11:10 **Hiroaki Ikushima** (The University of Tokyo)
Pattern recognition receptor signaling in anti-tumor immunity

Session 2: **Immune cell dynamics** **11:10 – 12:25**
(Chair: Thomas Boehm)

11:10 – 11:35 **Dietmar Vestweber** (The Max Planck Society)
Regulation of leukocyte diapedesis through the endothelial barrier

- 11:35 – 12:00 **Naoto Kawakami** (The Max Planck Society)
Real-time imaging of immune cell activation in vivo
- 12:00 – 12:25 **Tim Lämmermann** (The Max Planck Society)
Innate Immune Cell Dynamics at Sites of Inflammation and Infection
- 12:25 – 13:55 **LUNCH**
- Session 3: **Developmental aspects of the Immune system** 13:55 – 15:50
(Chair: Hartmut Wekerle)
- 13:55 – 14:20 **Rudolf Grosschedl** (The Max Planck Society)
Establishment and maintenance of B cell identity
- 14:20 – 14:35 **Kazuki Yamamoto** (The University of Tokyo)
Quantitative and Chemical Proteomic Approach for Histone Code Analysis
- 14:35 – 15:00 **Kohei Kometani** (The Max Planck Society)
The role of EBF1 in leukemogenesis
- 15:00 – 15:25 **Yasuyuki Sakai** (The University of Tokyo)
Stem cell bioprocess for engineering liver and pancreatic beta cell tissues for various applications
- 15:25 – 15:50 **Friedemann Kiefer** (The Max Planck Society)
Development of the lymphatic system
- 15:50 – 16:20 **COFFEE**
- Session 4: **Innate Immunity- Part 1** 16:20 – 17:25
(Chair: Kazuhiko Yamamoto)
- 16:20 – 16:45 **Anca Dorhoi** (The Max Planck Society)
Innate Immune Mediators Control Lung Injury in Tuberculosis
- 16:45 – 17:00 **Miki Eto** (The University of Tokyo)
Identification of lysophosphatidic acid acyltransferase enzyme 4 (LPAAT4), a possible role for incorporating DHA into glycerophospholipids
- 17:00 – 17:25 **Satoshi Uematsu** (The University of Tokyo)
Innate Immune responses in radiation-induced intestinal injury

DINNER

20:00 **CONCERT Philharmonie Berlin**

Thursday, Dec 18

Session 5: **Innate Immunity- Part 2** 09:00 - 10:05
(Chair: Stefan Kaufmann)

09:00 – 09:25 **Toru Miyazaki** (The University of Tokyo)
A novel scavenging system for biological garbage promoted by circulating AIM protein and its therapeutic application

09:25 – 09:50 **Pedro Alves** (The Max Planck Society)
The role of AhR as a Pattern Recognition Receptor

09:50 – 10:05 **Ryo Morimoto** (The University of Tokyo)
Calcium signaling triggers platelet-activating factor (PAF) biosynthesis

10:05 – 10:25 **COFFEE**

Session 6: **Evolution of the Immune System** 10:25 – 11:40
(Chair: Toru Miyazaki)

10:25 – 10:50 **Thomas Boehm** (The Max Planck Society)
Evolutionary history of the thymus

10:50 – 11:15 **Stephen Holland** (The Max Planck Society)
Selection of the lamprey VLRC antigen receptor repertoire

11:15 – 11:40 **Norimasa Iwanami** (The Max Planck Society)
Cell type-specific role of pre-mRNA splicing factors in vertebrate lymphopoiesis

11:40 – 12:20 **Short Lunch**

13:00 – 14:00 **Japanese Embassy**

- Session 7: **Inflammation and Immune Responses** 15:00 – 16:15
(Chair: Rudi Grosschedl)
- 15:00 – 15:25 **Hideyuki Yanai** (The University of Tokyo)
HMGB1 in inflammation and immunity
- 15:25 – 15:50 **Ung-il Chung / Yuich Tei** (The University of Tokyo)
Novel biomaterials modulating biological functions
- 15:50 – 16:15 **Tomohisa Okamura** (The University of Tokyo)
Regulation of humoral immune responses by TGF- β 3-producing
CD4⁺CD25⁺LAG3⁺ regulatory T cell

Closing Address

Dinner