

# Program

September 8 (Tue)

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13:30 – 16:00 **Technical Seminar**

Organized by: **Young Researchers Forum on Infectious Diseases Committee**

13:30 **Opening Remarks**

13:40 **Super Resolution Microscope (Nikon)**

14:10 **Liposome (Katayama Chemical Industries Co., Ltd.)**

14:40 *Break (15 min)*

14:55 **Exosome (QIAGEN K.K.)**

15:25 **Genome Editing (Thermo Fisher Scientific K.K.)**

15:55 **Closing Remarks**

16:30 **Opening Remarks for The 14th Awaji International Forum on Infection and Immunity**

**Yasushi Kawaguchi**, The University of Tokyo, Japan

16:40 – 18:20 **Session 1: Pathogen to Host Interactions I**

Chairs: **Joel D. Baines**, Louisiana State University, USA

**Ayato Takada**, Hokkaido University, Japan

16:40 S1-1 **Joel D. Baines**, Louisiana State University, USA

Novel Cellular Kinases Required for HSV Transcription

17:20 S1-2 **Hirofumi Sawa**, Hokkaido University, Japan

Epidemiological and Basic Research Activities Targeting Polyomaviruses

17:50 S1-3 **Joseph D. Mougous**, University of Washington, USA

Recent insights into the export and activity of type VI secretion toxins

18:30 – 20:30 **Welcome Party**

Banquet Hall STELLA (Westin Hotel 1F)

September 9 (Wed)

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9:00 – 12:15 **Session 2: Pathogen to Host Interactions II**

Chairs: **Daniel R. Perez**, University of Georgia, USA

**Kouichi Morita**, Nagasaki University, Japan

9:00 S2-1 **Daniel R. Perez**, University of Georgia, USA

Plasticity of Influenza Viruses

9:30 S2-2 **Tokiko Watanabe**, The University of Tokyo, Japan

Host-virus interactions in influenza virus replication

10:00 S2-3 **Jonathan A. McCullers**, University of Tennessee, USA

Acute lung injury results from innate sensing of viruses by an ER stress pathway

- 10:30 *Break (15 min)*
- 10:45 S2-4 **Chikara Kaito**, The University of Tokyo, Japan  
Mobile genetic element of MRSA encodes a virulence suppressor
- 11:15 S2-5 **Brendan Scott Crabb**, Burnet Institute, Australia  
PTEX is an essential gateway for protein export in malaria parasites
- 11:45 S2-6 (P-14) **Yasuko Mori**, Kobe University, Japan  
Identification of amino acid residues within CD134 required for HHV-6B infection
- 12:00 S2-7 (P-66) **Shiho Suzuki**, The University of Tokyo, Japan  
Shigella IpaH7.8 E3 ubiquitin ligase targets glomulin and activates Inflammasomes
- 12:15 – 13:45 *Free Lunch for Participants*
- 13:45 – 15:15 **Poster Session 1 (odd numbers)**
- 15:15 – 18:00 **Session 3: Immunology I**  
Chairs: **Alexander V. Chervonsky**, The University of Chicago, USA  
**Hisashi Arase**, Osaka University, Japan
- 15:15 S3-1 **Shigeo Koyasu**, RIKEN, Japan  
Regulatory mechanisms of ILC2 functions in allergic inflammation
- 15:45 S3-2 **Alexander V. Chervonsky**, The University of Chicago, USA  
Inducible glycosylation as a mediator of host-microbiota symbiosis
- 16:15 S3-3 (P-82) **Sarang Tartey**, Kyoto University, Japan  
Essential Function for the Nuclear Protein Akirin2 in B Cell Activation and Humoral Immune Responses
- 16:30 *Break (15 min)*
- 16:45 S3-4 **Hiroyoshi Nishikawa**, National Cancer Center, Japan  
Role of regulatory T cells in inflammation-associated colorectal cancer; Friends or foes?
- 17:15 S3-5 **David W. Pascual**, University of Florida, USA  
Varied Innate Cell Responses in the Lungs Following Live Vector Vaccination or Wild-Type Brucella Infection
- 17:45 S3-6 (P-81) **Daisuke Fujikura**, Hokkaido University, Japan  
Death receptor 6 is involved in a regulatory mechanism for follicular helper T cell.

## September 10 (Thu)

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### 9:00 – 10:00 **Session 4: Pathogen to Host Interactions III**

Chair: **Yoshio Koyanagi**, Kyoto University, Japan

Co-organized by **Japan Society for the Promotion of Science (JSPS) Core-to-Core Program**  
**‘International research network for virus infections and host responses’**



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE  
**日本学術振興会**

- 9:00 S4-1 **Masafumi Takiguchi**, Kumamoto University, Japan  
Control of HIV-1 by CTLs specific for conserved epitopes
- 9:30 S4-2 **Jarome A. Zack**, UCLA, USA  
Novel PKC activators for HIV latency reversal
- 10:00 *Break (15 min)*



- 10:00 S7-3 (P-79) **Hiroyuki Oshiumi**, Hokkaido University, Japan  
DDX60 RNA helicase is involved in RIG-I-dependent and independent innate immune response to viral infection
- 10:15 *Break (15 min)*
- 10:30 S7-4 **Yoshiyuki Goto**, The University of Tokyo, Japan  
Commensal microbiota create mucosal barrier system against bacterial infection
- 11:00 S7-5 (P-17) **Ken Fujii**, Tokyo Metropolitan Institute of Medical science, Japan  
The role of Type I Interferon system for control of EV71 Infection
- 11:15 S7-6 (P-78) **Midori Nakamura**, National Institute of Infectious Diseases, Japan  
Nucleotide changes in viral genome CD8+ T-cell target regions before and after anti-retroviral therapy in a macaque AIDS model
- 11:30 – 13:00 *Free Lunch for Participants*
- 13:00 – 15:00 **Session 8: Pathogen to Host Interaction VI**  
Chairs: **Manoj T. Duraisingh**, Harvard School of Public Health, USA  
**Osamu Kaneko**, Nagasaki University, Japan
- 13:00 S8-1 **Andrew T. McGuire**, Fred Hutchinson Cancer Research Center, USA  
Immunogen design and optimization to target germline B cell receptors that give rise to broadly neutralizing antibodies against HIV-1
- 13:30 S8-2 **Manoj T. Duraisingh**, Harvard School of Public Health, USA  
Red blood cell determinants of malaria infection
- 14:00 S8-3 **Junya Yamagishi**, Hokkaido University, Japan  
How to approach the diversity in transcriptome, a key to elucidate host-parasite interaction in genomic era
- 14:30 S8-4 (P-61) **Vahab Ali**, RMRIMS, India  
Characterization of ferredoxin isoforms of *Entamoeba histolytica*: In silico modelling and protein-protein interaction
- 14:45 S8-5 (P-53) **Kazuhide Yahata**, Nagasaki University, Japan  
Calcium monitoring in *Plasmodium falciparum* through Yellow Cameleon-Nano Biosensors
- 15:10 **Closing Remarks**  
**Takashi Fujita**, Kyoto University, Japan