The 15th Awaji International Forum on Infection and Immunity
Program

September 6, Tuesday

13:00-15:40 Introductory Lectures

13:00 1. Parasites
Shiro Iwanaga, Mie University, Japan
“Drug resistance in Malaria”

13:40 2. Bacteria
Tetsuya Iida, Osaka University, Japan
“Genomics and Metagenomics of Bacterial Infections”

14:20 3. Viruses
Takeshi Ichinohe, The University of Tokyo, Japan
“Evasion of host innate immune responses by influenza A virus”

15:00 4. Innate Immunity
Hiroki Kato, Kyoto University, Japan
“Pathogen recognition receptors in innate immunity”

16:00-16:10 Opening Remarks

16:10-18:00 Session 1  HBV/HCV
Chairs: Hung-Chih Yang, National Taiwan University College of Medicine, Taiwan
Takaji Wakita, National Institute of Infectious Diseases, Japan

16:10 S1-1 Hung-Chih Yang, National Taiwan University College of Medicine, Taiwan
“Deep insight into the evolution of hepatitis B virus during HBeAg seroconversion”

16:40 S1-2 Takaji Wakita, National Institute of Infectious Diseases, Japan
“Molecular mechanisms of HCV membrane replication complex formation”

17:10 S1-3 ChaoYuan Tsai, Osaka University, Japan
(P-30) “Bystander inhibition of humoral immune responses
by Epstein-Barr virus LMP1-induced IDO1 expression”

17:23 S1-4 Rashid Manzoor, Hokkaido University, Japan
(P-26) “Identifying and dissecting the role of host factors interacting
with influenza A virus M2 protein in influenza virus replication”

17:36 S1-5 Haruyo Aoyagi, National Institute of Infectious Diseases, Japan
(P-40) “Ultrastructure of hepatocytes in chronic hepatitis C patients
who achieve a sustained virological response”

18:30 – 20:30 Welcome Party – Banquet Hall STELLA, The Westin Awaji Island 1st Floor

September 7, Wednesday

9:00-12:30 Session 2  Parasites
Chairs: Tania de Konig Ward, Deakin University, Australia
Masahiro Yamamoto, Osaka University, Japan
9:00  S2-1  **Tania de Konig Ward**, Deakin University, Australia
“Dissecting the *Plasmodium* protein export machinery”

9:30  S2-2  **Elizabeth Winzeler**, University of California San Diego, USA
“Defining the malaria parasite resistome and drug-able genome”

10:00 S2-3  **Andy Waters**, University of Glasgow/Wellcome Trust Sanger Institute, UK
“Experimentally inducible gametocytogenesis in malaria parasites: defining the early events after a developmental switch”

10:30-10:38  **Coffee Break**

10:38  S2-4  **Masahiro Yamamoto**, Osaka University, Japan
“Mechanisms of IFN-γ-inducible cell-autonomous immunity to intracellular pathogens”

11:08 S2-5  **Katsuyuki Yui**, Nagasaki University, Japan
“Regulation of the immune responses by Tr27 cells during malaria infection”

11:38 S2-6  **Somlata Gupta**, Jawaharlal Nehru University, India
(P-55) “PIP3 binding protein screening reveals Trogocytosis specific kinase in *E. histolytica*”

11:51 S2-7  **Ryo Takano**, Obihiro University of Agriculture and Veterinary Medicine, Japan
(P-56) “A high-resolution map of SBP1 interactomes in *Plasmodium falciparum*-infected erythrocytes”

12:04 S2-8  **Kofi D. Kwofie**, Tokyo Medical and Dental University, Japan
(P-69) “Anti-trypanosomal Activities and Mechanisms of Action of Novel Tetracyclic Iridoids from Morinda lucida Benth.”

12:17 S2-9  **Masahito Asada**, Nagasaki University, Japan
(P-74) “Ungulate malaria parasites”

12:30-13:30  **Lunch Break**

13:30-15:00  **Poster Session I (Odd Numbers)**

15:00-17:30  **Session 3  Innate immunity I**
**Chairs:**  Mark Kunitomi, University of California, San Francisco, USA
Takayuki Kuraishi, Kanazawa 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’*

15:00  S3-1  **Jean-Marc Reichhart**, University of Strasbourg & UPR 9022 CNRS, France
“The *Drosophila* Innate Immune system, a paradigm to study NF-kB regulation.”

15:30 S3-2  **Mark Kunitomi**, University of California, San Francisco, USA
“Endogenous viral elements produce trans-generational antiviral piRNAs in mosquitoes”

16:00 S3-3  **Takayuki Kuraishi**, Kanazawa University, Japan
“Infection-dependent versus -independent activation of *Drosophila* innate immune signaling”
September 8, Thursday

9:00-12:30  Session 4 Innate immunity II

Chairs: Andrea Ablasser, École Polytechnique Fédérale de Lausanne, Switzerland
        Takashi Mino, Kyoto University, Japan

9:00  S4-1  Andrea Ablasser, École Polytechnique Fédérale de Lausanne, Switzerland

         “Intracellular DNA sensing mechanisms”

9:30  S4-2  Heung Kyu Lee, Korea Advanced Institute of Science and Technology, Korea

         “Dysbiosis-induced IL-33 contributes to impaired antiviral immunity in the genital mucosa”

10:00  S4-3  Takashi Mino, Kyoto University, Japan

         “Post-transcriptional regulation of inflammation-related mRNAs by Regnase-1 and Roquin”

10:30  Coffee Break

10:50  S4-4  FERDINARD ADUNGO, Nagasaki University, Japan

         (P-100) “Production of yellow fever virus sub-viral particles from stably transformed mammalian cells and potential use as diagnostic antigens”

11:03  S4-5  Kouyuki Hirayasu, Osaka University, Japan

         (P-98) “Microbially cleaved immunoglobulins are sensed by the innate immune receptor LILRA2”

11:16  S4-6  YUANBO ZHU, Kyoto University, Japan

         (P-109) “Role of intestinal epithelial cell-derived IL-7 and IL-15 on the homeostasis of intraepithelial lymphocytes”

11:29  S4-7  Hiroyuki Oshiumi, Kumamoto University, Japan

         (P-106) “Extracellular vesicles play a crucial role in antiviral innate immune response to HBV infection”

11:42  S4-8  MANH H DAO, Nagasaki University, Japan

         (P-110) “iPS cell derived dendritic cell can be a good host of dengue virus”

11:55  S4-9  Morris M Ndemwa, Nagasaki University, Japan

         (P-114) “Mortality Patterns within the NUITM-KEMRI Health and Demographic Surveillance System Mbita Kenya”

12:08  S4-10 Nobumasa Soda, Kyoto University, Japan
Activation of MDA5 and TLR3 affects the differentiation of osteoclasts via IFN-β

Lunch Break

Poster Session II (Even Numbers)

Session 5  Bacteria
Chairs: Wolf-Detrich Hardt, Institute of Microbiology, ETH Zürich, Switzerland
Kiyoshi Takeda, Osaka University, Japan

15:00  S5-1 Zhao-Qing Luo, Purdue University, USA
“Ubiquitination Lessons taught by a bacterial pathogen”

15:30  S5-2 Wolf-Detrich Hardt, Institute of Microbiology, ETH Zürich, Switzerland
“Salmonella diarrhea: mucosal defense against attack by a “diversifying” pathogen”

16:00  S5-3 Kiyoshi Takeda, Osaka University, Japan
“Segregation of intestinal bacteria and epithelia by Lypd8”

Coffee Break

16:50  S5-4 Masanori Hatakeyama, The University of Tokyo, Japan
“SHP1 links Helicobacter pylori and Epstein-Barr virus in gastric carcinogenesis”

17:20  S5-5 Seiji Yamasaki, Osaka University, Japan
(P-88) “Multidrug efflux pumps contribute to Escherichia coli biofilm maintenance”

17:33  S5-6 Tomoko Kubori, Osaka University, Japan
(P-87) “Manipulation of the host ubiquitin system by Legionella Deubiquitinases”

17:46  S5-7 Ryo Ozuru, Tottori University, Japan
(P-84) “New insights into the leptospiral dissemination in host bodies brought by in vivo imaging system”

17:59  S5-8 Naoaki Shinzawa, Osaka University, Japan
(P-85) “Genetic dissection of intracellular survival of Burkholderia thailandensis”

Banquet – BBQ Party, Terrace of Coccalore at The Westin Awaji Island 2nd floor

September 9, Friday

Session 6  HIV/HTLV
Chairs: Daniel Sauter, Ulm University Medical Center, Germany
Masafumi Takiguchi, Kumamoto University, Japan

9:00  S6-1 Daniel Sauter, Ulm University Medical Center, Germany
“Suppression of NF-κB-mediated immune activation by primate lentiviruses”

9:30  S6-2 Massimo Pizzato, University of Trento, Italy
“The anti-retroviral activity of the SERINC gene family and counteraction by different retroviruses.”

10:00 S6-3 Anat Melamed, Imperial College London, UK
“The HTLV-1 provirus forms abnormal CTCF-dependent chromatin loops with the host genome”
10:30-10:38 Coffee Break

10:38 S6-4 Kei Sato, Kyoto University, Japan
“Investigation of the interplay between cellular proteins and HIV-1-encoding proteins using humanized mouse model”

11:08 S6-5 Masafumi Takiguchi, Kumamoto University, Japan
“Co-adaptation of HIV-1 and T cells”

11:38 S6-6 Haruka Kinosada, Kyoto University, Japan
(P-27) “HTLV-1 bZIP factor promotes T-cell proliferation by impairing the suppressive function of co-inhibitory receptors”

11:51 S6-7 Daichi Yamasoba, Kyoto University, Japan
(P-12) “Identification of a novel RNase as a restriction factor for HIV budding”

12:04 S6-8 Sayuri Seki, National Institute of Infectious Diseases, Japan
(P-29) “Accumulation of MHC-I-associated viral genome mutations in multiple SIV transmissions”

12:17 S6-9 Hironori Hayashi, National Center for Global Health and Medicine, Japan
(P-43) “Mechanism of unprecedentedly potent activity of KU-241 against various HIV-1 variants”

12:30-13:30 Lunch Break

13:30-16:00 Session 7 Emerging Viruses
Chairs: Andreas Kurth, Robert Koch Institute, Germany
Ayato Takada, Hokkaido University, Japan

13:30 S7-1 Andreas Kurth, Robert Koch Institute, Germany
“Emerging Viruses in Bats – What we know and don’t know”

14:00 S7-2 Ayato Takada, Hokkaido University, Japan
“Ebolavirus Entry into Cells
---Neutralization and Antibody-Dependent Enhancement---“

14:30 S7-3 Jiro Yasuda, Nagasaki University, Japan
“Development of rapid and portable diagnostic assay for emerging viral diseases”

15:00 S7-4 Masayuki Shimojima, National Institute of Infectious Diseases, Japan
“Severe fever with thrombocytopenia syndrome in Japan”

15:30 S7-5 Shintaro Yamada, Kyoto University, Japan
(P-32) “Analysis of innate immune responses in SFTSV infection”

15:43 S7-6 Ryo Komorizono, Kyoto University, Japan
(P-25) “Host range restriction and zoonotic potential of emerging avian bornaviruses”

16:00 Closing Remarks