

The 9th Awaji International Forum on Infection and Immunity

	Sep 8, Tue	Sep 9, Wed	Sep 10, Thu	Sep 11, Fri
9:00	9:00 Training Course I Parasitology Nakanishi	9:00 Session 2 Pathogen to Host Interaction II -Host Factors Accepting or Refusing Pathogens- Chair: Kawaoka & Neil 1. Arase P-016 Yamayoshi P-036 Hirai 2. Matsuura	9:00 Session 4 Pathogen to Host Interaction IV -Pathogens and Cellular Biology- Chair: Kinoshita & Way 1. Way P-117 Hase 2. Coppens	9:00 Session 7 Host to Pathogen Interaction III -PRRs- Chair: Akira & Hornung 1. Takeuchi 2. Picard
9:30				
10:00	10:15 Training Course II Bacteriology Sugai	10:45 3. Nagata P-008 Ishikawa 4. Neil P-026 Miyakawa	10:30 P-057 Yamamoto 3. Hansen 4. Sasakawa P-104 Tsuchiya	10:15 3. Hornung 4. Fujita P-115 Saijo
10:30				
11:00	11:30 Training Course III Immunology Kiyono	12:15 Lunch Break (own)	12:00 Lunch Break (own)	Lunch Break (own)
11:30				
12:00	12:30 Free Lunch for the Training Course Attendees	13:15 Poster (odd #)	13:15 Poster (even#)	13:00 Session 8 Host to Pathogen Interaction IV -Vaccine- Chair: Miyake & Pulendran 1. Pulendran 2. Horii P-055 Tsuboi 3. Ishii 4. Matano
12:30				
13:00	13:30 Training Course IV Virology Shimotohno	14:30 Session 3 Pathogen to Host Interaction III -Molecules Crucial in Offense and Defense- Chair: Iida & Shao 1. Sanowar 2. Shao P-091 Kubori	14:30 Session 5 Host to Pathogen Interaction I -Intestinal Immunology- Chair: Kikutani & Pamer 1. Pamer 2. Honda 3. Ivanov P-109 Uematsu 4. Kunisawa	15:15 Closing Remarks
13:30				
14:00	15:15 Session 1 Pathogen to Host Interaction I -A Variety of Pathogens in Nature- Chair: Horiguchi & Tanabe 1. Hirai P-061 Iwanaga 2. Matsuzaki 3. Namba	16:00 3. Gilson P-063 Hatabu P-079 Yamaguchi P-111 Shinzawa	Break (15 min.)	15:15 Closing Remarks
14:30				
15:00	18:00 Welcome Party	Dinner (own)	17:00 Session 6 Host to Pathogen Interaction II -Inflammasome- Chair: Kumanogoh & Nuñez 1. Nuñez P-098 Suzuki 2. Stacey	15:15 Closing Remarks
15:30				
16:00	19:00 BBQ Party	Dinner (own)	19:00 BBQ Party	15:15 Closing Remarks
16:30				
17:00	19:30 BBQ Party	Dinner (own)	19:00 BBQ Party	15:15 Closing Remarks
17:30				
18:00	20:00	Dinner (own)	19:00 BBQ Party	15:15 Closing Remarks
18:30				
19:00	20:30	Dinner (own)	19:00 BBQ Party	15:15 Closing Remarks
19:30				
20:00	21:00	Dinner (own)	19:00 BBQ Party	15:15 Closing Remarks
20:30				
21:00				

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Program

September 8 (Tue)

Training Course

9:00	1. Parasitology	Kenji Nakanishi Hyogo College of Medicine, Japan
10:00	Coffee Break	
10:15	2. Bacteriology	Motoyuki Sugai Hiroshima University, Japan
11:15	Coffee Break	
11:30	3. Immunology	Hiroshi Kiyono The University of Tokyo, Japan
12:30	Free Lunch for the Training Course Attendees	
13:30	4. Virology	Kunitada Shimotohno Chiba Institute of Technology, Japan
14:30	Coffee Break	

Opening Remarks

15:00 **Hitoshi Kikutani**, Osaka University, Japan

Session 1

Pathogen to Host Interaction I -A Variety of Pathogens in Nature-

Chair: Yasuhiko Horiguchi, Osaka University, Japan
Kazuyuki Tanabe, Osaka University, Japan

15:15	S1-1	Makoto Hirai , Jichi Medical University, Japan Malaria parasites reproduce by similar manner to flowering plant
15:45	S1-P-061	Shiroh Iwanaga , Mie University, Japan Generation of a Plasmodium Artificial Chromosome
16:00	S1-2	Motomichi Matsuzaki , The University of Tokyo, Japan A DNA-lacking plastid in the oyster pathogen <i>Perkinsus marinus</i>
16:30	S1-3	Shigetou Namba , The University of Tokyo, Japan Molecular biological analysis on the interaction between the plant-pathogenic bacterium, phytoplasma, and its hosts

Welcome Party

18:00 - 20:00 **The Westin Awaji Island Hotel**

September 9 (Wed)

Session 2

Pathogen to Host Interaction II -Host Factors Accepting or Refusing Pathogens-

Chair: Yoshihiro Kawaoka, The University of Tokyo, Japan
Stuart Neil, King's College London, UK

- 9:00 S2-1 **Hisashi Arase**, Osaka University, Japan
Herpesvirus infection mediated by paired receptors
- 9:30 S2-P-016 **Seiya Yamayoshi**, The Tokyo Metropolitan Institute of Medical Science, Japan
Species specificity of enterovirus 71 is determined by quality and quantity of viral receptor
- 9:45 S2-P-036 **Asuka Hirai**, National Institute of Infectious Diseases, Japan
Role of mouse hepatitis virus (MHV) receptor CEACAM1 in the resistance of mice to MHV infection as revealed by Ceacam1 gene-replaced mice
- 10:00 S2-2 **Yoshiharu Matsuura**, Osaka University, Japan
Host factors involved in the replication and pathogenesis of hepatitis C virus
- 10:30 Coffee Break
- 10:45 S2-3 **Kyosuke Nagata**, University of Tsukuba, Japan
Molecular and structural bases of the influenza virus genome replication
- 11:15 S2-P-008 **Masayuki Ishikawa**, National Institute of Agrobiological Sciences, Japan
An inhibitory interaction between viral and cellular proteins underlies a multilayered resistance mechanism to a non-adapted tobamovirus in tomato
- 11:30 S2-4 **Stuart Neil**, King's College London, UK
Antagonism of Tetherin by Lentiviral and Herpesviral countermeasures
- 12:00 S2-P-026 **Kei Miyakawa**, National Institute of Infectious Diseases, Japan
Identification of a tetherin-interacting protein that restricts HIV-1 particle production
- 12:15 - 13:15 Lunch Break

Poster Session (odd number)

13:15 - 14:30

Session 3

Pathogen to Host Interaction III -Molecules Crucial in Offense and Defense-

Chair: Tetsuya Iida, Osaka University, Japan
Feng Shao, National Institute of Biological Sciences, China

- 14:30 S3-1 **Sarah Sanowar**, University of Washington, USA
Recent structural progress on the rings that make up the *Salmonella typhimurium* type III secretion needle complex
- 15:00 S3-2 **Feng Shao**, National Institute of Biological Sciences, China
Modulation of the host innate immunity by bacterial pathogenic effectors
- 15:30 S3-P-091 **Tomoko Kubori**, Osaka University, Japan
Effector regulating effector: A *Legionella pneumophila* metaeffector that temporally regulates proteasomal degradation of another effector in the host cytosol
- 15:45 Cofee Break
- 16:00 S3-3 **Paul R. Gilson**, Burnet Institute, Australia
The protein export machine in malaria parasites
- 16:30 S3-P-063 **Toshimitsu Hatabu**, Gunma University, Japan
Class A scavenger receptor mediates the cytoadherence of *Plasmodium falciparum*-infected erythrocytes
- 16:45 S3-P-079 **Masaya Yamaguchi**, Osaka University, Japan
Role of *Streptococcus pneumoniae* PfbA in adhesion to human epithelial cells and resistance to neutrophil phagocytosis
- 17:00 S3-P-111 **Naoaki Shinzawa**, Obihiro Univ. of Agriculture and Veterinary Medicine, Japan
p38 MAPK-dependent phagocytic encapsulation confers infection tolerance in *Drosophila*

September 10 (Thu)

Session 4

Pathogen to Host Interaction IV -Pathogens and Cellular Biology-

Chair: Taroh Kinoshita, Osaka University, Japan
Michael Way, London Research Institute, UK

- 9:00 S4-1 **Michael Way**, London Research Institute, UK
Vaccinia virus, a model system to understand signalling network dynamics and regulation of actin polymerization
- 9:30 S4-P-117 **Koji Hase**, RIKEN RCAI, Japan
M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex
- 9:45 S4-2 **Isabelle Coppens**, Johns Hopkins University, USA
Manipulating Cellular Transport and Immune Responses: Dynamic interactions between *Toxoplasma* and mammalian organelles
- 10:15 Cofee Break
- 10:30 S4-P-057 **Masahiro Yamamoto**, Osaka University, Japan
Essential role of *Toxoplasma gondii* ROP16 in host Stat3 activation
- 10:45 S4-3 **Diana S. Hansen**, The Walter and Eliza Hall Institute, Australia
Role of IP-10-dependent T cell homing in the control of pathogenesis and immunity to malaria
- 11:15 S4-4 **Chihiro Sasakawa**, The University of Tokyo, Japan
Shigella Exploitation and Subversion of Host Cell Function
- 11:45 S4-P-104 **Kohsuke Tsuchiya**, Kyoto University, Japan
Participation of listeriolysin O on caspase-1 activation in *Listeria monocytogenes* infection
- 12:00 - 13:15 Lunch Break

Poster Session (even number)

13:15 - 14:30

Session 5

Host to Pathogen Interaction I -Intestinal Immunology-

Chair: Hitoshi Kikutani, Osaka University, Japan
Eric G. Pamer, Memorial Sloan-Kettering Cancer Center, USA

- 14:30 S5-1 **Eric G. Pamer**, Memorial Sloan-Kettering Cancer Center, USA
TLR-mediated induction of RegIII γ in the small intestine
- 15:00 S5-2 **Kenya Honda**, Osaka University, Japan
Immune regulation by intestinal microflora
- 15:30 S5-3 **Ivaylo I. Ivanov**, New York University, USA
Regulation of Mucosal Th17 Cell Responses by Intestinal Bacteria
- 16:00 S5-P-109 **Satoshi Uematsu**, Osaka University, Japan
Regulation of humoral and cellular gut immunity by lamina propria dendritic cells expressing Toll-like receptor 5
- 16:15 S5-4 **Jun Kunisawa**, The University of Tokyo, Japan
Regulation of innate and acquired phases of intestinal secretory IgA production by sphingosine 1-phosphate
- 16:45 Cofee Break

Session 6

Host to Pathogen Interaction II -Inflammasome-

Chair: Atsushi Kumanogoh, Osaka University, Japan
Gabriel Nuñez, University of Michigan, USA

- 17:00 S6-1 **Gabriel Nuñez**, University of Michigan, USA
Function of Nod-like Receptors in Innate Immunity to Bacterial Pathogens
- 17:30 S6-P-098 **Toshihiko Suzuki**, University of the Ryukyus, Japan
Activation of the NLRP3 inflammasome by pathogenic Vibrios is mediated via pore-forming toxins and differentially regulated by Toll-like receptor signaling
- 17:45 S6-2 **Katryn J. Stacey**, The University of Queensland, Australia
HIN-200 proteins in the host response to foreign cytoplasmic DNA

BBQ Party

19:00 - 21:00 **The Westin Awaji Island Hotel**

September 11 (Fri)

Session 7

Host to Pathogen Interaction III -Pattern Recognition Receptors-

Chair: Shizuo Akira, Osaka University, Japan
Veit Hornung, University of Bonn, Germany

- 9:00 S7-1 **Osamu Takeuchi**, Osaka University, Japan
Regulation of inflammatory responses by TLR-inducible proteins
- 9:30 S7-2 **Capucine Picard**, INSERM, France
Genetic infectious susceptibility and TLR defects in human
- 10:00 Cofee Break
- 10:15 S7-3 **Veit Hornung**, University of Bonn, Germany
RIG-I dependent sensing of poly(dA-dT) via the induction of an RNA polymerase III transcribed RNA intermediate
- 10:45 S7-4 **Takashi Fujita**, Kyoto University, Japan
Activation of an antiviral program through the cytoplasmic recognition of non-self RNA patterns by RLRs
- 11:15 S7-P-115 **Shinobu Saijo**, The University of Tokyo, Japan
The roles of C-type lectins in the host defense against fungal infection
- 11:30 - 13:00 Lunch Break

Session 8

Host to Pathogen Interaction IV -Vaccine-

Chair: Kensuke Miyake, The University of Tokyo, Japan
Bali Pulendran, Emory University, USA

- 13:00 S8-1 **Bali Pulendran**, Emory University, USA
Modulating vaccine responses with innate immunity
- 13:30 S8-2 **Toshihiro Horii**, Osaka University, Japan
BK-SE36, malaria vaccine that targets the achilles' heel antigen of *Plasmodium falciparum*
- 14:00 S8-P-055 **Takafumi Tsuboi**, Ehime University, Japan
Immunization with N-terminal region of a gametocyte protein Pfs230 successfully induce transmission-blocking antibodies against *Plasmodium falciparum*

- 14:15 S8-3 **Ken J. Ishii**, Osaka University, Japan
Immune recognition and signalling essential for Flu vaccines
- 14:45 S8-4 **Tetsuro Matano**, The University of Tokyo, Japan
Effect of vaccine-induced memory T cells on HIV/SIV replication
after virus exposure

Closing Remarks

- 15:15 **Tetsuro Matano**, The University of Tokyo, Japan