

The Awaji International Forum on Infection and Immunity III Program

	Aug. 25 (Mon.)	Aug. 26 (Tue.)	Aug. 27 (Wed.)	Aug. 28 (Thr.)
9:00		Bacteriology Symp 5 Dr. T. Shimizu	Parasitology Symp 3 Dr. K. Gull	Host Defesnse Symp 1 Dr.S. Koyasu
9:30		Bacteriology Symp 6 Dr. M. Sugai	Parasitology Symp 4 Dr. K. Tanabe	Host Defesnse Symp 2 Dr. A. Lazavecchia
10:00		Bacteriology Symp 7 Dr. G. van der Goot	Parasitology Symp 5 Dr. D.J. Bzik	Host Defesnse Symp 3 Dr. S. Sakaguchi
10:30		Coffee Break	Coffee Break	Coffee Break
11:00		Virology Symp 1 Dr. M.J. Buchmeier	Parasitology Symp 6 Dr. W.A. Petri Jr.	Host Defesnse Symp 4 Dr. G.J. Freeman
11:30		Virology Symp 2 Dr. K. Ikuta	Parasitology Symp 7 Dr. Y. Wataya	Host Defesnse Symp 5 Dr. A. Sharpe
12:00		Virology Symp 3 Dr. H. Feldmann	Parasitology Symp 8 Dr. K-P. Chang	Host Defesnse Symp 6 Dr. K. Sugamura
12:30		Free Time	Free Time	Closing
13:00		Poster Presentations (Odd numbers)	Poster Presentations (Even numbers)	
13:30				
14:00				
14:30		Registration		
15:00		Posters set-up		
15:30	Virology Symp 4 Dr. M.F. Summers	Selected Posters (4) for Oral Presentations(Virology)		
16:00	Opening	Virology Symp 5 Dr. M. Kannagi		
16:30	Special lecture I Dr. A. Osterhaus	Virology Symp 6 Dr. L. Pelkmans	Selected Posters (2) for Oral Presentations(Parasitology)	
17:00	Virology Symp 7 Dr. H. Iba	Coffee Break		
17:30	Bacteriology Symp 1 Dr. W.E. Goldman	Selected Posters (2) for Oral Presentations(Parasitology)		
18:00	Bacteriology Symp 2 Dr. V.L. Miller	Free Time	Selected Posters (4) for Oral Presentations(Host Defense)	
18:30	Bacteriology Symp 3 Dr. D.G. Russel			
19:00	Bacteriology Symp 4 Dr. A. Zychlinsky	Special lecture II Dr. H. Oshitani	Buffet Dinner (Reception Hall B)	
19:30	Welcome Reception (Reception Hall B)	Parasitology Symp 1 Dr. R.J.M. Wilson		
20:00		Parasitology Symp 2 Dr. T. Hase		
20:30		Coffee Break		
21:00	Selected Posters (4) for Oral Presentations(Bacteriology)			
21:30				

Scientific Program

Monday, August 25th

16:00 - 16:30 Opening Remarks: **T. Horii**, Osaka, Japan

16:30 - 17:30 **Special Lecture I**
Chairperson: **Y. Nagai**, Toyama, Japan

Albert D. M. E. Osterhaus, Rotterdam, The Netherlands
A newly discovered coronavirus is the primary cause of Severe
Acute Respiratory Syndrome

Symposium I. Bacterial Infection 1
Discussion leader: **A. Abe**, Tokyo, Japan

17:30 **I-1. William E. Goldman**, Washington, USA
Pertussis: The Biological Consequences of a Little Peptidoglycan

18:00 **I-2. Virginia L. Miller**, Washington, USA
The *Yersinia enterocolitica* virulence gene regulator, RovA

Symposium I. Bacterial Infection 2
Discussion leader: **T. Iida**, Osaka, Japan

18:30 **I-3. David G. Russel**, Cornell, USA
Mycobacterium tuberculosis and its subversion of macrophage
activity

19:00 **I-4. Arturo Zychlinsky**, Berlin, Germany
Innate immune defense in enteric infections

19:30 - Welcome Reception

Tuesday, August 26th

Symposium I. Bacterial Infection 3

Discussion leader: **Y. Horiguchi**, Osaka, Japan

- 9:00 **I-5. Tohru Shimizu**, Tsukuba, Japan
Global role of the two-component virulence regulator VirR/VirS
in *Clostridium perfringens*: eats flesh to survive?
- 9:30 **I-6. Motoyuki Sugai**, Hiroshima, Japan
Staphylococcal blistering skin disease etiology and
epidemiology
- 10:00 **I-7. Gisou van der Goot**, Geneva, Switzerland
How anthrax toxin makes it into cells
- 10:15 - 10:45 Coffee break

Symposium II. Viral Infection 1

Discussion leader: **K. Tomonaga**, Osaka, Japan

- 10:45 **II-1. Michael J. Buchmeier**, La Jolla, USA
Mechanism of murine coronavirus neurovirulence
- 11:15 **II-2. Kazuyoshi Ikuta**, Osaka, Japan
HIV-1 Vpu protein plays a protective role against viral induced
apoptosis in primary CD4+ T lymphocytes
- 11:45 **II-3. Heinz Feldmann**, Winnipeg, Canada
Marburg and Ebola viruses: The pathogens and their interaction
with the host
- 12:15 - 13:15 Lunch
- 13:15 - 15:30 **Poster Session I (odd numbers)**

Symposium II. Viral Infection 2

Discussion leader: **J. Sakuragi**, Osaka, Japan

- 15:30 **II-4. Michael F. Summers**, Baltimore, USA
NMR studies of retroviral genome packaging and assembly
- 16:00 **II-5. Mari Kannagi**, Tokyo, Japan
Role of T-cell immunity in human T-cell leukemia virus type-I (HTLV-I) leukemogenesis

Symposium II. Viral Infection 3

Discussion leader: **K. Moriishi**, Osaka, Japan

- 16:30 **II-6. Lucas Pelkmans**, Dresden, Germany
Caveolae and caveosomes in the endocytic membrane system
- 17:00 **II-7. Hideo Iba**, Tokyo, Japan
Retroviral gene silencing and SWI/SNF chromatin remodeling complex.

17:30 - 19:00 Dinner

19:00 **Special LectureII**
Chairperson: **K. Sugamura**, Sendai, Japan

Hitoshi Oshitani, Manila, Philippines
Multi-country outbreaks of severe acute respiratory syndrome and WHO response

Symposium III. Parasite Infection 1

Discussion leader: **K-P. Chang**, Chicago, USA

- 19:30 **III-1. R. J. M. Iain Wilson**, London, UK
Plastid functions in the Apicomplexa
- 20:00 **III-2. Toshiharu Hase**, Osaka, Japan
A redox cascade in human malaria parasite apicoplast

20:30 - 20:45 Coffee break

Oral Poster Presentation 1

Discussion leader: **M. Miyake**, Osaka, Japan

Bacterial Infection

20:45

P-084. Takeshi Matsuzawa

Enteropathogenic *Escherichia coli* activates the RhoA-ROCK signaling pathway by the disruption of microtubule networks

21:00

P-086. Shigefumi Okamoto

A role of *Streptococcus pyogenes* capsule in induction of invasive type of bacterial-viral superinfection

21:15

P-092. Hideki Adachi

A role for endothelial scavenger receptors, FEELs in bacterial infection

21:30

P-102. Shuichi Nishikubo

Nuclear transport of cytolethal distending Toxin B subunit, which arrests target cell cycle at G2/M phase

Wednesday, August 27th

Symposium III. Parasite Infection 2

Discussion leader: **T. Mitamura**, Osaka, Japan

- 9:00 **III-3. Keith Gull**, Oxford, UK
Antigenic variation, nuclear structure and genome architecture in
Trypanosoma brucei
- 9:30 **III-4. Kazuyuki Tanabe**, Osaka, Japan
Stable antigen polymorphism of *Plasmodium falciparum* on
islands
- 10:00 **III-5. David J. Bzik**, Lebanon, USA
The novel architecture of arginine acquisition in *Toxoplasma*
gondii: an adaptation to host response
- 10:30 - 10:45 Coffee break

Symposium III. Parasite Infection 3

Discussion leader: **R. J. M. Iain Wilson**, London, UK

- 10:45 **III-6. William A. Petri, Jr.**, Charlottesville, USA
The bittersweet interface of parasite and host: Lectin-carbohydrate
interactions during human invasion by the parasite *Entamoeba*
histolytica
- 11:15 **III-7. Yusuke Wataya**, Okayama, Japan
New antimalarial drug development research against drug
resistant malaria
- 11:45 **III-8. Kwang-Poo Chang**, Chicago, USA
Therapeutic and prophylactic potentials of *Leishmania* forward
AND reverse genetic mutants in Heme biosynthesis pathway
- 12:15 - 13:15 Lunch
- 13:15 - 15:30 **Poster Session II (even numbers)**

Oral Poster Presentation 2

Discussion leader: **T. Miyazawa**, Osaka, Japan

Viral Infection

- 15:30 **P-005. Tetsuo Koshizuka**
A role of *Streptococcus pyogenes* capsule in induction of invasive type of bacterial-viral superinfection
- 15:45 **P-009. Hajime Suzuki**
The effects of pathogenic SHIV infection on the thymus and intrathymic T cell progenitor in rhesus monkeys
- 16:00 **P-035. Fumio Seki**
A role of *Streptococcus pyogenes* capsule in induction of invasive type of bacterial-viral superinfection
- 16:15 **P-038. Ryuji Nomura**
A role of *Streptococcus pyogenes* capsule in induction of invasive type of bacterial-viral superinfection

Oral Poster Presentation 3

Discussion leader: **T. Nozaki**, Tokyo, Japan

Parasite Infection

- 16:30 **P-057. Takafumi Tsuboi**
Gametocyte surface proteins, Pvs47 and Pvs48/45, are novel transmission-blocking vaccine candidates of *Plasmodium vivax*
- 16:45 **P-060. Hajime Hisaeda**
Malaria parasites preferentially activate CD4⁺CD25⁺ regulatory T cells to escape host immunity
- 17:00 - 17:30 Coffee break

17:30 **P-068. Nirianne M. Q. Palacpac**
Triacylglycerol metabolism and trafficking in *Plasmodium falciparum*-infected erythrocytes

17:45 **P-071. Kisaburo Nagamune**
African trypanosomes coat sialic acid taken from the host to survive in tsetse fly vectors

Oral Poster Presentation 4

Discussion leader: **K. Takeda**, Osaka, Japan

Host Defense and Immunity

18:00 **P-121. Kazuo Yamamoto**
Hypersensitivity and tolerance against the endotoxin shock in IRF-deficient mice

18:15 **P-130. Toshiaki Ohteki**
IL-15 controls granuloma formation and subsequent endotoxin shock induced by *P. acnes* and LPS

18:30 **P-158. Hisashi Arase**
Recognition of virus infected cells by paired NK receptors

18:45 **P-167. Masato Tanaka**
Molecular mechanisms for phagocytosis of apoptotic cells by phagocytes

19:00 Banquet

Thursday, August 28th

Symposium IV. Host Defence and Immunity 1

Discussion leader: **S. Koyasu**, Tokyo, Japan

9:00 **IV-1. Shigeo Koyasu**, Tokyo, Japan
Phosphoinositide 3-kinase: a modulator of infectious immunity
controlling host immune responses

9:30 **IV-2. Antonio Lanzavecchia**, Bellinzona, Switzerland
Vaccination and immunological memory

10:00 **IV-3. Shimon Sakaguchi**, Kyoto, Japan
Naturally arising CD4⁺ regulatory T cells in immunologic
self-tolerance and negative control of immune responses

10:30 - 10:45 Coffee break

Symposium IV. Host Defence and Immunity 2

Discussion leader: **H. Kikutani**, Osaka, Japan

10:45 **IV-4. Gordon J. Freeman**, Boston, USA
Inhibition of immune responses by PD-1 ligands

11:15 **IV-5. Arlene H. Sharpe**, Boston, USA
Roles of the B7:CD28 superfamily in regulating T cell activation
and tolerance

11:45 **IV-6. Kazuo Sugamura**, Sendai, Japan
Sustained OX40-OX40 ligand interactions induce
autoimmune-like diseases and specifically provoke Th2 responses

12:15 Closing Remarks: **Y. Kawaoka**, Tokyo, Japan