SYMPOSIA

Symposium 1
Room 1  Day 1  October 23 [SUN]  9:00–11:30
Molecular basis of the virus-host interaction
(Con-organised by the research program “Molecular basis of host cell competency in virus infection” supported by Grant-in-Aid for Scientific Research on Innovative Areas from the Ministry of Education, Culture, Sports, Science and Technology of Japan)

Conveners  Yoshio Koyanagi  Kyoto University/Takashi Fujita  Kyoto University

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<thead>
<tr>
<th>S1-1</th>
<th>Induction and suppression of the interferon response by RNA viruses</th>
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|       | Friedemann Weber  
|       | Institute for Virology (FB10)  

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<tr>
<th>S1-2</th>
<th>Studying the virus-host interactions of ebolaviruses using reverse genetics</th>
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|       | Thomas Hoenen  
|       | Friedrich-Loeffler-Institut  

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<tr>
<th>S1-3</th>
<th>Using endogenous retroviral (ERV) fossils data to explore the co-evolutionary relationships of retroviruses and vertebrates</th>
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|       | Robert J. Gifford  
|       | MRC-University of Glasgow Centre for Virus Research  

Symposium 2
Room 2  Day 1  October 23 [SUN]  9:00–11:30
Topics from Zoonosis Research

Conveners  Ayato Takada  Hokkaido University/Hirofumi Sawa  Hokkaido University

<table>
<thead>
<tr>
<th>S2-1</th>
<th>Influenza virus infections at the animal-human interface</th>
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|       | Yoshihiro Sakoda  
|       | Laboratory of Microbiology, Department of Disease Control, Graduate School of Veterinary Medicine, Hokkaido University  

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<tr>
<th>S2-2</th>
<th>Molecular Biological Approaches to Dissecting Ebola Virus Replication and Pathogenesis</th>
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|       | Hideki Ebihara  
|       | Department of Molecular Medicine, Mayo Clinic  

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<tr>
<th>S2-3</th>
<th>Four years have passed since Middle East respiratory syndrome coronavirus was identified in Saudi Arabia</th>
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|       | Shutoku Matsuyama  
|       | Laboratory-4, Department of Virology III, National Institute of Infectious Diseases (NIID), Japan  

Symposium 3

Room 1  Day 2  October 24 [MON]  9:00 – 11:30

Translational Virology
(Conveners Hirofumi Sawa, Hokkaido University // Yasuhi Kawaguchi, The University of Tokyo)

S3-1  HIV vaccines: status of the field and approach from the Institute of Human Virology
Robert C. Gallo1, George Lewis1, Anthony De Vico1, Timothy Fouts2
1) Institute of Human Virology, University of Maryland School of Medicine, 2) Profectus Biosciences

S3-2  Cell factors involved in a unique nuclear-pore-independent nuclear export system for macromolecular complexes in the nucleus: Potential targets for novel antiherpetic drugs
Yasushi Kawaguchi
The Institute of Medical Science, The University of Tokyo

S3-3  Mucosal vaccine and application of secretory IgA antibody for Influenza virus infection
Hideki Hasegawa
Department of Pathology, National Institute of Infectious Diseases

S3-4  Antibodies Against Viral Hemorrhagic Fevers
Erica Ollmann Saphire1,2,3
1) Department of Immunology & Microbial Science, The Scripps Research Institute, 2) Center of Excellence, The Global Virus Network, 3) Viral Hemorrhagic Fever Immunotherapeutic Consortium

S3-5  The current status of HIV cure research
Sharon Lewin
1) Doherty Institute for Infection and Immunity, The University of Melbourne, Melbourne and Royal Melbourne Hospital, Australia, 2) Department of Infectious Diseases, Melbourne, Australia

Clinical Assessment of DNA Vaccines for Hemorrhagic Fever with Renal Syndrome (HFRS) and Venezuelan Equine Encephalitis (VEE)
Connie Schmaljohn1, Lesley C. Dupuy1, Jay W. Hooper1, Drew Hannaman2
1) US Army Med. Res. Inst. of Infectious Diseases, Frederick, MD, 2) Ichor Med. Systems, San Diego, CA
Symposium 4

Room 2

Day 2  October 24 [MON]  9:00 – 11:30

The front of recent arbovirus research
(The memorial symposium of Dr. Akira Igarashi)

Conveners  Koichi Morita  Nagasaki university／Hiroaki Kariwa  Hokkaido University

S4-1  Recent advances in animal models of dengue virus infection

Ichiro Kurane
National Institute of Infectious Disease, Japan

S4-2  Tick-borne encephalitis in Japan

Kentaro Yoshii
Laboratory of Public Health, Graduate School of Veterinary Medicine, Hokkaido University

S4-3  Population sequencing reveals the adaptive landscape of Zika virus

Raul Andino\(^1\), Arabinda Nayak\(^1\), Yinghong Xiao\(^1\), Orly Laufman\(^1\), Shuhei Taguwa\(^2\), Patrick Dolan\(^1\), Judith Frydman\(^2\)

1) Department of Pharmaceutical Chemistry and Department of Microbiology and Immunology, University of California at San Francisco, 2) Department of Biology and Genetics, Stanford University

S4-4  Maturation of flaviviruses and its role in disease

Richard J. Kuhn\(^{1,2}\), Devika Sirohi\(^{1,2}\), Zhenguo Chen\(^{1}\), Swati Mukherjee\(^4\), Victoria Hedrick\(^3\), Andrew S. Miller\(^{1,2}\), Valerie D. Bowman\(^{1}\), Michael G. Rossmann\(^{1,2}\), Theodore C. Pierson\(^4\)

1) Markey Center for Structural Biology, Department of Biological Sciences, Purdue University, West Lafayette, IN, USA, 2) Purdue Institute for Inflammation, Immunology and Infectious Disease, 3) Bindley Bioscience Center, Purdue University, West Lafayette, IN, USA, 4) Viral Pathogenesis Section, Laboratory of Viral Diseases, NIAID, NIH, Bethesda, MD, USA

Symposium 5

Room 1

Day 3  October 25 [TUE]  9:00 – 12:00

Infection, immunity, cancer
(Con-organized by Joint Usage/Research Center)

Conveners  Masanobu Oshima  Cancer Research Institute, Kanazawa University／Akinori Takaoka  Hokkaido University

S5-1  Cancer malignant progression and microenvironment

がんの悪性化進展と微小環境形成
Masanobu Oshima
Cancer Research Institute, Kanazawa University

S5-2  Virus Researches using humanized mice

Yoshio Koyanagi
Director of Institute for Virus Research, Kyoto University
S5-3  Signal peptide peptidase participates in propagation and pathogenesis of hepatitis C virus

Yoshiharu Matsuura, Toru Okamoto
Department of Molecular Virology, Research Institute for Microbial Diseases, Osaka University

S5-4  Nucleic acid sensor-mediated IFN response against viral infection

Akinori Takaoka
Division of Signaling in Cancer and Immunology, Institute for Genetic Medicine, Hokkaido University

S5-5  Development of in vivo imaging systems for the study of influenza A virus infection

Satoshi Fukuyama¹, Hiroshi Ueki¹, Tomomi Nakao¹, Hiromichi Mitake¹, Dongming Zhao¹, Hiroaki Katsura¹, Tomomi Ando¹, Masaki Imai¹, Takeshi Noda², Yoshihiro Kawaoka¹,³,⁴
¹) Division of Virology, Department of Microbiology and Immunology, Institute of Medical Science, The University of Tokyo, ²) Laboratory of Ultrastructural Virology, Institute for Virus Research, Kyoto University, ³) Department of Special Pathogens, International Research Center for Infectious Diseases, Institute of Medical Science, The University of Tokyo, ⁴) Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison

S5-6  New Insights Into the Biology of Hepatitis B Virus: Viral Oncogenesis

Wang-Shick Ryu
Department of Biochemistry, Yonsei University, Seoul, Korea

S5-7  A Direct Antiviral Function by Interferon Alpha to Target Hepatitis B Virus Nucleocapsid for Degradation

Pei-Jer Chen¹,²,³, Sheng-Han Wang¹, Shiou-Hwei Yeh¹,⁴
¹) Center of Genomic Medicine, National Taiwan University College of Medicine, Taiwan, ²) Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine, Taiwan, ³) Department of Internal Medicine, National Taiwan University Hospital, Taiwan, ⁴) Graduate Institute of Microbiology, National Taiwan University College of Medicine, Taiwan

Symposium 6

Recently introduced virus vaccines, their efficacy and problems

Conveners  Hiroyuki Tsutsumi  Sapporo Medical University / Osamu Nakagomi  Nagasaki University

Room 2  Day 3  October 25 [TUE]  9:00 – 11:30

S6-1  Heterotypic B cell immunity to rotavirus- new insights

Harry Greenberg
Stanford University, Stanford California

S6-2  Present effects and future problems of universal varicella vaccine immunization in Japan

Tetsushi Yoshikawa
Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Aichi, Japan

S6-3  Universal Vaccination against Hepatitis B Virus- Why now?

Ayano Inui
Department of Pediatric Hepatology and Gastroenterology, Saiseikai Yokohamashi Tobu Hospital
Uterine cervical cancer and HPV vaccine in Japan: the efficacy and problems

Akira Nishikawa
Department of Obstetrics and Gynecology, NTT East Sapporo Medical Center, Sapporo

緊急セッション

Room 2  Day 3  October 25 [TUE]  11:30 – 12:30

司会
堤 裕幸 札幌医科大学

麻疹 － 国内流行と対策（日本語）
講演者 1  竹田  誠 (国立感染症研究所)
講演者 2  多屋 馨子 (国立感染症研究所)

WHO GAPIII workshop

Room 4  Day 1  October 23 [TUE]  12:30 – 13:30

Convener  Hiroyuki Shimizu  National Institute of Infectious Diseases

Poliovirus Laboratory Containment (WHO Policy and Implementation)

Varja Grabovac
Expanded Programme on Immunization Unit, Division of Communicable Diseases, World Health Organization