

**1st China-Japan Joint Workshop
on New-Generation Vaccines
for Infectious Diseases**

Molecular Biology of Host-Pathogen Interaction

22nd May 2008

Auditorium

Institute of Microbiology

Chinese Academy of Science

Wishing Our Collaboration Great Progress

Since 2005, the Ministry of Education, Culture, Sports, Science and Technology (MEXT) has been pursuing the “Program of Founding Research Centers for Emerging and Reemerging Infectious Diseases.” In this program, based on bilateral collaboration we established the China-Japan joint laboratories at the Institute of Microbiology and the Institute of Biophysics, Chinese Academy of Sciences (CAS) and the Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences (CAAS). These joint laboratories were named generically “Japan-China Joint Laboratories for Emerging and Re-emerging Infectious Diseases,” in which the studies of HIV, HCV, avian influenza virus and so on have been carried out.

In 2006, MEXT suggested that we initiate basic research for next-generation vaccines for various infectious diseases in this Japan-China joint program. In response, we set up a new program named “Basic Studies for the Development of Next-Generation Vaccines.” A group of ten scientists in the fields of microbiology, immunology, and molecular-cellular biology are now involved in this research program. These scientists are working in Tokyo and their interactions with the scientists in the joint laboratories in Beijing and Harbin have not been as intimate as we initially anticipated. In order to facilitate our basic studies on vaccine development, and to further stimulate our research on the IMSUT campus and in the joint laboratories, I think it is really important that the scientists involved in this Japan-China joint program get together, exchange information and talk about our common problems. To make this kind of interaction possible, this workshop named “The First China-Japan Joint Workshop on New-Generation Vaccines for Infectious Diseases: Molecular Biology of Host-Pathogen Interaction” was planned. I hope that this workshop provides us with the opportunity for stimulating discussions and for promoting the tighter interaction of scientists, both junior and senior, working within the same program but yet at dispersed locations. Therefore from the bottom of my heart, I wish this workshop every success.

May 2008

Tadashi Yamamoto
Professor
Institute of Medical Science
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Workshop Program —May 22, 2008—

Session I			
	Time Table	Speakers	Topic
Chaired by Gao & Sasakawa	8:30-8:35	George Gao	Opening Remarks
	8:35-9:10	Yoshihiro Kawaoka	Vaccines for Emerging Viruses
	9:10-9:45	Bin Wang	The Effects of Co-Stimulatory Molecules on Cellular and Memory Responses as The Potent Adjuvants for HBsAg DNA Vaccination
	9:45-10:00	Coffee Break	
Session II			
Chaired by Yamamoto & Kawaoka	10:00-10:35	Quanming Zou	Safety, Immunogenicity and Efficacy of Oral Engineered Helicobacter Pylori Vaccine: Clinical Trials in Phase I-III
	10:35-11:10	Chihiro Sasakawa	Bacterial Exploitation and Subversion of Host Cell Function During Infection: in the Case of <i>Shigella</i> .
	11:10-11:45	Zhihai Qin	Impairment of Anti-Tumor Immunity by an Adjuvant-Induced Myeloid Cell Population
	11:45-12:30	Lunch	
	12:30-13:00	Tour	
Session III			
Chaired by Yan & Kitamura	13:00-13:25	Tetsuro Matano	Efficacy of a Recombinant Sendai Virus Vector-Based Vaccine in Macaque AIDS Models
	13:25-13:50	Kentaro Semba	Proteomic Analysis of Host Defense System Against Infection Using SILAC-LC-MS/MS
	13:50-14:10	Coffee Break	

Session IV			
Chaired by Matsuda & Matano	14:10-14:25	Naoyuki Kondo	A New Strategy to Facilitate Structural Analysis of Highly Insoluble Viral Proteins Derived from HIV-1
	14:25-14:40	Caiwei Chen	Subunit Vaccine Designed for the Porcine Reproductive and Respiratory Syndrome
	14:40-14:55	Tomonori Nochi	A New Global Strategy for Needle- and Cold-Chain-Free Vaccination
	14:55-15:10	Takeshi Inoue	Proteomic Analysis of Host Proteins in Influenza Virus-Infected Cells
	15:10-15:25	Natsuko K.Tanimura	Roles for LPS-Dependent Interaction and Relocation of TLR4 and TRAM for Type I Interferon Induction
	15:25-15:40	Aoki Chie	Anti-HCV Activity of Interferon-Inducible Proteins, IFI44/44L
	15:40-16:00	Coffee Break	
Session V			
Chaired by Qin & Semba	16:00-16:15	Kevin Zhu	The High Affinity TCR-Like Antibody Multimer and Its Potential Use in Targeted Therapy
	16:15-16:30	Jing Feng	A Novel Pentabody: A Potential Application in Diagnosis of Avian Influenza
	16:30-16:45	Yi Shi	T-Cell-Receptor Gene Therapy of HIV-1
	16:45-17:00	Shubai Liu	Analyzing Tumor/Stromal Cell Interaction by Retrovirus Mediated Mutagenesis
	17:00-17:15	Taketoshi Mizutani	Brm, A Catalytic Subunit of the SWI/SNF Complex is Required for Tat-Independent Stable Expression of HIV-1
	17:15-17:20	Tadashi Yamamoto	Concluding Remarks
	18:30~	Banquet	