

# AARF Program

## Day 1: January 23, 2013

|             |              |
|-------------|--------------|
| 08:00–09:00 | Registration |
|-------------|--------------|

## Opening Remarks (09:00 – 09:20)

09:00 – 09:05 Vice Minister, Ministry of Education, Culture, Sports, Science and Technology (MEXT)

09:05 – 09:10 Dr. Yoshiyuki Nagai, Program Director, J-GRID

09:10 – 09:15 Representative of the Ghanaian Embassy

09:15 – 09:20 Dr. Takashi Ohyama, President, Tokyo Medical and Dental University (TMDU)

**Welcome Greetings from Ghana-Japan CRC** (09:20 – 09:40)

|               |                                                 |
|---------------|-------------------------------------------------|
| 09:20 – 09:25 | Introductory Remarks from Dr. Nobuo Ohta (TMDU) |
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09:25 – 09:30 Greetings from the Ghanaian Representative, Dr. Kwadwo A. Koram  
(Director, Noguchi Memorial Institute for Medical Research (NMIMR),  
University of Ghana)

09:30 – 09:40 Greetings from the Japanese Team Leader, Dr. Eiji Ido (TMDU)

Coffee Break (09:40 – 10:00)

**Special Session I: Neglected Tropical Diseases in Africa: Current Situation and Future Prospect**

(10:00 – 12:05)

Moderators: Daniel A. Boakye &amp; Nobuo Ohta

**10:00 – 10:45      The Story of Avermectin and Ivermectin (SI-1)**

Satoshi Omura (Kitasato Institute, Tokyo, Japan)

10:45 – 11:05 **Integrated Control of Onchocerciasis and Lymphatic Filariasis: Opportunities and Challenges (SI-2)**

Daniel A. Boakye (NMIMR / WHO-APOC, Ghana)

11:05 – 11:25 **NTDs and HDSS (SI-3)**

Masaaki Shimada (Nagasaki University Kenya CRC, Kenya)

11:25 – 11:45 **Human African Trypanosomiasis in Sub-Saharan Africa (SI-4)**

Chihiro Sugimoto (Hokkaido University Zambia CRC, Zambia)

11:45 – 12:05 **Finding a Novel Drug Target for African Trypanosomiasis (SI-5)**

Takashi Suzuki (TMDU Ghana CRC, Ghana)

Lunch (12:05 – 13:20) M&D Tower 26F Faculty Lounge

**Session I: HIV and Related Pathophysiology (13:20–13:59)**

Moderators: Aikichi Iwamoto & Frank Wenjun Liu

13:20 – 13:33 **Phenotypic Determination of HIV-1 Envelope Tropism using Dual Split Protein (DSP) Mediated Cell Fusion Assay System (O-1)**

Noriaki Hosoya, Phairote Teeranaipong, Stucki Heinz, Yoshimi Kashi,  
Ai Kawana-Tachikawa, Naoyuki Kondo, Hiroo Hoshino, Zene Matsuda,

Aikichi Iwamoto

- 13:33 – 13:46 **The Prevalence of Chronic Kidney Disease and its Risk Factor in HIV-infected Patients in Vietnam (O-2)**  
Daisuke Mizushima, Fumihide Kanaya, Junko Tanuma, Hiroyuki Gatanaga,  
Nguyen Van Kinh, Shinichi Oka
- 13:46 – 13:59 **Evaluation of the Current First-line ART by a Longitudinal Study in Koforidua Regional Hospital, Ghana (O-3)**  
Jacob Barnor, James Brandful, William Ampofo, Ishmael Aziati, Esinam Agbosu,  
Samson Ofori, Shoji Yamaoka, Eiji Ido

**Session II: Molecular Studies on Pathogens** (14:00 – 15:25)

Moderators: Shinichi Miyoshi & Asish K. Mukhopadhyay

- 14:00 – 14:13 **Molecular Surveillance and Phylogenetic Analysis of Old World Arenaviruses in Zambia (O-4)**  
Akihiro Ishii, Yuka Thomas, Ladslav Moonga, Ichiro Nakamura, Aiko Ohnuma,  
Bernard M. Hang'ombe, Ayato Takada, Aaron S. Mweene, Hirofumi Sawa
- 14:13 – 14:26 **Colonization Factor CS6 of Enterotoxigenic *Escherichia Coli*: Functional Heterogeneity Due to Sequence Variation among CS6 Genes (O-5)**  
Nabendu Sekhar Chatterjee, Subrata Sabui, Anusuya Debnath, Takeaki Wajima,  
Takashi Hamabata, T. Ramamurthy
- 14:26 – 14:39 **Genetic Attributes of Indian *Vibrio cholerae* strains: Evidence for the Genesis of Haitian Variant (O-6)**  
Asish K. Mukhopadhyay, P. Ghosh, G.P. Pazhani, N.C. Sharma, T. Ramamurthy
- 14:39 – 14:52 **Emergence of 16S rRNA Methylase-producing Gram-negative Pathogens in Medical Settings in Vietnam (O-7)**  
Norio Ohmagari, Tohru Miyoshi-Akiyama, Tatsuya Tada, Yasuyuki Kato, Nozomi Takeshita, Teruo Kirikae, Nguyen Viet Hung, Doan Mai Phuong, Trung Anh Thu, Nguyen Gia Binh, Nguyen Quoc Anh, Tran Thi Thanh Nga, Pham Hong Truong, Phan Thi Xuan, Le Thi Anh Thu, Nguyen Truong Son
- 14:52 – 15:05 **Molecular Analysis of Enterovirus 68 in The Philippines (O-8)**  
Tadatsugu Imamura, Akira Suzuki, Socorro Lupisan, Michiko Okamoto, Raita Tamaki, Mariko Saito, Naoko Fuji, Noel Macalalad, Amado Tandoc III, Lydia Sombrero, Remigio Olveda, Hitoshi Oshitani
- 15:05 – 15:25 **Molecular Factors Contribute to the Transmission of Influenza Viruses (O-16)**  
Hualan Chen

Coffee break (15:25 – 15:50)

**Session III: Experimental and Epidemiological Research on Viral Diseases** (15:50 – 16:42)

Moderators: Yoshitake Hayashi & Nasronudin

- 15:50 – 16:03 **Post-Entry Neutralization of Chikungunya Virus by a Monoclonal Antibody (O-9)**  
Tamaki Okabayashi, Orapim Puiprom, Promsin Masrinoul, Panjaporn Chaichana,

- Pongrama Ramasoota, Yoshiharu Matsuura
- 16:03 – 16:16 **Infection of Dengue Virus and Japanese Encephalitis Virus in Mice (O-10)**  
Takeshi Kurosu, Keiko Hanabara, Azusa Asai, Sabar Pambudi, Magot Omokoko,  
 Supranee Phanthanawiboon, Surapee Anantapreecha, Kazuyoshi Ikuta
- 16:16 – 16:29 **High Incidence and Mortality of Congenital Rubella Syndrome in Central Vietnam (O-11)**  
Michiko Toizumi, Hideki Motomura, Kensuke Takahashi, Pham Enga, Vo Minh Hien,  
 Lay Myint Yoshida, Le Huu Tho, Dang Duc Anh, Masahiro Hashizume, Koya Ariyoshi,  
 Hiroyuki Moriuchi
- 16:29 – 16:42 **Awareness of using Ringer's Lactate Solution in Dengue Virus Infection can Induce Severity (O-12)**  
Soegeng Soegijanto, Desiana W. Sari, Atsushi Yamanaka, Tomohiro Kotaki,  
 Masanori Kameoka, Eiji Konishi

**Session IV: Epidemiology and Control of Influenza (16:45 – 17:24)**

Moderators: Takehiko Saito & Sujira Pachariyanon

- 16:45 – 16:58 **Epidemiology of Influenza in Myanmar (O-13)**  
Reiko Saito, Makoto Naito, Yadanar Kyaw, Yi Yi Myint, Khin Yi Oo, Go Hasegawa,  
 Clyde Dapat, Isolde Dapat, Yugo Shobugawa, Kousuke Saito, Hiroshi Suzuki
- 16:58 – 17:11 **Influenza Disease Burden Estimates in a Tropical Urban Setting in The Philippines, 2009-2011 (O-14)**  
Taro Kamigaki, Veronica Tallo, Portia Alday, Alvin Tan, Edelwisa Mercado,  
 Jenaline Javier, Remigio Olveda, Hitoshi Oshitani
- 17:11 – 17:24 **Highly Pathogenic Avian Influenza Situation in Vietnam (O-15)**  
Pham Thanh Long

**Poster Session and Discussion (17:30 – 18:30)**

M&D Tower 2F Foyer & Auditorium 2

**J-GRID Committee Meeting (17:30 – 18:40)**

M&D Tower 9F Graduate School Lecture Room 4

**Reception (18:45 – 20:45)**

M&D Tower 26F Faculty Lounge

## **Day 2: January 24, 2013**

### **Session V: Tuberculosis and Host Responses (08:50 – 09:29)**

Moderators: Kenji Hirayama & Hguyen Tran Hien

- 08:50 – 09:03      **Interferon-gamma Response to Tuberculosis-specific Antigens and Prediction of Tuberculosis Recurrence (O-17)**  
Nguyen Thi Le Hang, Luu Thi Lien, Naoki Ishizuka, Nobuyuki Kobayashi, Shinsaku Sakurada, Pham Huu Thuong, Le Thi Hong, Do Bang Tam, Vu Cao Cuong, Minako Hijikata, Ikumi Matsushita, Kazue Higuchi, Nobuyuki Harada, Naoto Keicho
- 09:03 – 09:16      ***Mycobacterium bovis* Infection at the Interface between Domestic and Wild Animals in Zambia (O-18)**  
Musso Munyeme, Mudenda B. Hang'ombe, Chie Nakajima, Yukari Fukushima, Haruka Suzuki, Wigganson Matandiko, Aaron S. Mweene, Yasuhiko Suzuki
- 09:16 – 09:29      **Arf-like GTPase Ar18b Drives TLR7 into Type I Interferon-mediated Autoimmunity (O-19)**  
Shin-Ichiroh Saitoh, Fumiko Abe, Ryutaro Fukui, Atsuo Kanno, Masahiro Onji, Hiroko Kozuka-Hata, Masaaki Oyama, Yorifumi Kikko, Takuma Shibata, Katsuaki Sato, Toshiaki Katada, Kenji Kontani, Kensuke Miyake

### **Session VI: Epidemiology of neglected tropical diseases (09:30 – 10:09)**

Moderators: Chihiro Sugimoto & Aaron S. Mweene

- 09:30 – 09:43      **Use of Loop-mediated Isothermal Amplification (LAMP) to Detect Re-emerging Sleeping Sickness in the Luangwa and Zambezi Valleys (O-20)**  
Boniface Namangala, Lottie Hachaambwa, Kiichi Kajino, Aaron Simanyengwe Mweene, Kyoko Hayashida, Martin Simuunza, Humphrey Simukoko, Kennedy Choongo, Lambert Gwenhure, Pius Makaya, Elizabeth Chizema, Lackson Kasonka, Chihiro Sugimoto
- 09:43 – 09:56      **Epidemiology of Toxoplasmosis in Ghana (O-21)**  
Irene Ayi, Takashi Suzuki, Nobuo Ohta
- 09:56 – 10:09      **Morbidity and Risk Factors of *Schistosoma mansoni* among Primary School Children in Western Kenya (O-22)**  
Sachiyo Nagi, Evans Chadeka, Faith Mutungi, Yombo K. Dan Justin, Makoto Ito, Satoshi Kaneko, Yoshio Ichinose, Sohkichi Mastumoto, Sammy M. Njenga, Toshihiko Sunahara, Masahiro Hashizume, Masaaki Shimada and Shinjiro Hamano

### **Special session II: The most dangerous (Category I) infectious Diseases (10:10 – 12:15)**

Moderators: William Ampofo & Tsutomu Takeuchi

- 10:10 – 10:55      **Ebola and Marburg Viruses: A Continuing 'One Health' Issue (SII-1)**  
Heinz Feldmann (NIAID, NIH, USA)
- 10:55 – 11:15      **Preparedness for Possible Outbreaks of High Dangerous Pathogen-associated Infectious Diseases in NIID, Japan (SII-2)**  
Masayuki Saijo (NIID, Japan)

- 11:15 – 11:35      **Lassa Fever Virus in Ghana (SII-3)**  
William Ampofo (NMIMR, Ghana)
- 11:35 – 11:55      **The Recent Outbreak of Ebola Haemorrhagic Fever in Democratic Republic of Congo (DRC) – Challenges for Control (SII-4)**  
Jean Jacques Muyembe-Tamfum (National Institute of Biomedical Research, Kinshasa, DRC)
- 11:55 – 12:15      **Serological Survey of Antibodies to Filoviruses in Wild Animals (SII-5)**  
Ayato Takada (Hokkaido University, Japan)

Lunch      (12:15 – 13:30)      M&D Tower 26F Faculty Lounge

**Session VII: Vaccine Development and Field Application Research**      (13:30 – 14:22)

Moderators: Taroh Kinoshita & Jotika Boon-Long

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Toshihiro Horii, Nirianne Marie Q. Palacpac<sup>1</sup>, Masanori Yagi, Adoke Yeka, Hiroki Shirai, Edward Ntege, Nahoko Suzuki, Betty Balikagala, Nobuko Arisue, Sawako Itagaki, Takahiro Tougan, Takuya Okada, Tetsutani Kohhei, Shigeharu Ueda, Ken J. Ishii, Thomas G. Egwang

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Moderators: Hitoshi Oshitani & Remigio Olveda

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Kayo Osawa, Dadik Raharjo, Eddy Bagus Wasito, Sugeng Harijono, Shouhiro Kinoshita, Ro Osawa, Subijanto Marto Sudarmo, Yoshio Iijima, Toshiro Shirakawa

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**Workshop: Progress of Research Consortium in J-GRID Program** (15:05 – 17:05)

- 15:05 – 15:35 **Influenza Consortium**  
 Moderator: Yoshihiro Kawaoka (University of Tokyo)  
**What has it achieved and why do we need it? (WS-I)**  
Yoshihiro Kawaoka
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 Moderator: Koichi Morita (Nagasaki University)  
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- 17:05 – 17:10 Dr. Yasuhito Yuasa, Dean, Faculty of Medicine, TMDU

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(WS-I6) Kiyoko Iwatsuki-Horimoto, Chairul A. Nidom, Ema Qurnianingsih, Winariani Koesoemoprodjo, Reviany V. Nidom, Titi Setyarini, Rahendra RE Sudarsono, Muhamad Y. Alamudi, Kadek Rahmawati, Burhan Hidayat, Shinya Yamada, Maki Kiso, Yoshihiro Kawaoka

P-119 **Clinical and Molecular Characteristics of Influenza Viruses in Central Vietnam**

(WS-I7) Lay Myint Yoshida, Le Minh Nhat, Kensuke Takahashi, Motoi Suzuki, Hien Anh Nguyen, Ai Thi Thuy Nguyen, Thiem Vu Dinh, Le Huu Tho, Hiroyuki Moriuchi, Duc Anh Dang and Koya Ariyoshi