

**ADAPTIVE AND INNATE IMMUNE RESPONSES TO  
NEGLECTED TROPICAL DISEASES**

*Sponsored by  
U.S.-Japan Cooperative Medical Science Program (USJCMSP)  
National Institute of Allergy and Infectious Diseases (NIAID)  
Office of Rare Diseases  
National Institutes of Health*

January 10-11, 2010  
San Diego, CA  
Hilton San Diego Airport/Harbor Island Hotel

**DRAFT AGENDA**

**Sunday, January 10, 2010**

NOTE that all presentations are in the **Marina Ballroom** (except the Poster Session)

- 08:00 – 08:30 a.m.      **Registration – Marina Pre-Function Area**
- 08:30 – 08:45 a.m.      **Welcome and Introduction**  
Drs. Helen Quill and Malla Rao, NIAID
- 08:45 – 09:30 a.m.      **KEYNOTE ADDRESS**  
*Pattern Recognition by the TLR4-MD-2 Complex*  
Dr. Jie-Oh Lee; Korea Advanced Institute of Science and Technology, Daejeon, Korea
- SESSION 1:**  
Moderator:
- 09:30 – 09:45 a.m.      *Genetic Analyses of Host and Parasite Factors Influencing on the Prognosis of Chagas Disease in Bolivia*  
Dr. Kenji Hirayama; Nagasaki University, Japan
- 09:45 – 10:00 a.m.      *Complexity of Naturally Acquired Immunity to Plasmodium Falciparum Blood Stage Infection in Children*  
Dr. James Kazura; Case Western Reserve University, Cleveland, OH
- 10:00 – 10:15 a.m.      *TDB*  
Dr. Kiyoshi Kita; The University of Tokyo, Japan
- 10:15 – 10:30 a.m.      BREAK
- 10:30 – 10:40 a.m.      Short Talk
- 10:40 – 10:55 a.m.      *Immunological Interactions of HIV and Malaria: Immunology of Malaria Transmission*  
Dr. Joseph Vinetz; University of California San Diego, La Jolla, CA

10:55 – 11:10 a.m. *Influence of Nematode Infection on Anti-Malaria Immunity in Mice*  
Dr. Hajime Hisaeda; Kyushu University, Japan

**SESSION 2:**

Moderator:

11:10 – 11:30 a.m. *Role of SIGN1 Molecules in Innate Immune Responses*  
Dr. Kayo Inaba; Kyoto University, Japan

11:30 – 11:50 a.m. *Pathways Regulating Innate and Adaptive Immune Responses to Viral Infections*  
Dr. Christine Biron; Brown University, Providence, RI

11:50 – 12:10 a.m. *Dual Specificity Receptor for Damaged Cells and Pathogens*  
Dr. Takashi Saito; RIKEN, Yokohama City, Japan

12:10 – 12:20 p.m. Short Talk

12:20 – 01:20 p.m. LUNCH (on your own)  
Working Lunch for USJCMSP Parasitic Diseases Panel Members – Chart Room  
Working Lunch for USJCMSP Immunology Board Members – Port Room

01:20 – 01:40 p.m. *Th1 Cells – Faithful, Fickle, Why and How*  
Dr. Christopher Wilson; Bill and Melinda Gates Foundation, Seattle, WA

**SESSION 3:**

Moderator:

01:40 – 01:50 p.m. Short Talk

01:50 – 02:05 p.m. *Immune Responses and Resistance in Human Schistosomiasis*  
Dr. Daniel Colley; University of Georgia Research Foundation, Athens, GA

02:05 – 02:20 p.m. *TBD*  
Dr. Tomoyoshi Nozaki; Gunma University, Japan

02:20 – 02:35 p.m. *Leptin-mediated Innate Immunity to Infection of Children by the Mucosal Parasite Entamoeba Histolytica*  
Dr. William Petri; University of Virginia, Charlottesville, VA

02:35 – 02:50 p.m. *Mechanism for Modulation of Host Innate Immune Responses by a Toxoplasma Gondii Kinase*  
Dr. Kiyoshi Takeda; Osaka University, Japan

**SESSION 4:**

Moderator:

02:50 – 03:00 p.m. Short Talk

- 03:00 – 03:20 p.m. *Uptake via Glycoprotein 2 by M Cells is Important for Mucosal Immunosurveillance of FimH+ Bacteria*  
Dr. Hiroshi Ohno; RIKEN, Yokohama City, Japan
- 03:20 – 03:40 p.m. BREAK
- 03:40 – 04:00 p.m. *Mutations that Cause Inflammatory Colitis Identified by Forward Genetic Screening*  
Dr. Bruce Beutler; The Scripps Research Institute, La Jolla, CA
- 04:00 – 04:20 p.m. *Novel Strategy for Mucosal Vaccine Development: MucoRice and MucoNanogel*  
Dr. Hiroshi Kiyono; The University of Tokyo, Japan
- 04:20 – 04:30 p.m. Short Talk
- 05:00 – 09:00 p.m. **POSTER SESSION and RECEPTION – Spinnaker Room and Patio**

**Monday, January 11, 2010**

NOTE that all presentations are in the **Marina Ballroom**

- 09:00 – 09:45 a.m. **PLENARY TALK**  
*Meta-analysis of Epitope Data and its Applications for Malarial Immunobiology and Vaccine-related Issues*  
Dr. Alessandro Sette; La Jolla Institute of Allergy and Immunology; La Jolla, CA
- SESSION 5:**  
Moderator:
- 09:45 – 10:00 a.m. *Identification of Novel Blood-Stage Vaccine Candidates against Plasmodium Falciparum by High-throughput Immunoscreening*  
Dr. Takafumi Tsuboi; Ehime University, Japan
- 10:00– 10:15a.m. *Identification of Plasmodium falciparum Blood-stage Potential Vaccine Candidates: High-throughput Immunoscreening Approach with Burkina Faso Children's Sera*  
Dr. Kazutoyo Miura; NIAID, NIH, Rockville, MD
- 10:15 – 10:30 a.m. *A Non-Adjuvanted Polypeptide Nanoparticle Vaccine Targeting Plasmodium Falciparum Enolase Continues to Induce High Antibody Titers in Mice.*  
Dr. Shigeyuki Kano; International Medical Center of Japan, Tokyo, Japan
- 10:30 – 10:45 a.m. BREAK
- 10:45 – 11:00 a.m. *Regulation of IFN- $\gamma$  Production in CD4+ T cells during Infection with Plasmodium Berghei*  
Dr. Katsuyuki Yui; Nagasaki University, Japan

**SESSION 6:**

Moderator:

- 11:00 – 11:10 a.m. Short Talk
- 11:10 – 11:30 a.m. *Human Movement and Risk of Dengue Exposure*  
Dr. Thomas Scott; University of California Davis, CA
- 11:30 – 11:50 a.m. *Newly Discovered Roles for Basophils in Allergy and Parasitic Infections*  
Dr. Hajime Karasuyama; Tokyo Medical and Dental University Graduate School , Japan
- 11:50 – 12:10 p.m. *NKT Cells Sense Microbial Infection and Recognize Microbial Glycolipids*  
Dr. Mitchell Kronenberg; La Jolla Institute for Allergy and Immunology, La Jolla, CA
- 12:10 – 01:20 p.m. LUNCH (on your own)
- 01:20 – 01:30 p.m. Short Talk

**Session 7:**

Moderator:

- 01:30 – 01:50 p.m. *Peripheral T-cell Homeostasis: the Role of Notch Signaling in the Regulation of T-cell Survival*  
Dr. Apurva Sarin; National Center for Biological Sciences, Bangalore, India
- 01:50 – 02:10 p.m. *Color-coded Real-time Cellular Imaging of Th2 Cell Accumulation and Focus Formation in the Asthmatic Lung*  
Dr. Toshinori Nakayama; Chiba University, Japan
- 02:10 – 02:30 p.m. *Follicular Helper T Cells Regulate Antigen-specific B Cell Immunity*  
Dr. Michael McHeyzer-Williams; The Scripps Research Institute, La Jolla, CA
- 02:30 – 02:40 p.m. Short Talk
- 02:40 – 03:00 p.m. *Interleukin-1 $\beta$  Secreted by CD11b+Gr-1+ Myeloid Cells Drives Hypergammaglobulinemia with Autoantibody in a MyD88-independent Manner*  
Dr. Mi-Na Kweon; International Vaccine Institute, Seoul, Korea
- 03:00 – 03:20 p.m. BREAK

**Session 8:**

Moderator:

- 03:20 – 03:30 p.m. Short Talk
- 03:30 – 03:50 p.m. *Role of CARD9-Mediated Activation of Innate Immunity in Anti-Protozoan Defense*  
Dr. Hiroki Yoshida; Saga University, Japan

- 03:50 – 04:10 p.m. *A Role for Pcd8 in T Cell Development and Function*  
Dr. Satyajit Rath; National Institute of Immunology, New Delhi, India
- 04:10 – 04:20 p.m. Short Talk
- 04:20 – 04:40 p.m. *Requirement of OX40 Costimulatory Signals for Commitment and Generation of Memory CD8+ T Cells*  
Dr. Kazuo Sugamura; Tohoku University School of Medicine, Sendai, Japan
- 04:40 – 05:00 p.m. *TBD*  
Dr. Kenji Nakanishi; Hyogo University, Japan
- 05:00 p.m. Adjourn