**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 – 10:15 a.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-Adjuvented Polypeptide Nanopartical 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-γ 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-1β 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 Pdcd8 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