Mechanisms of T Cell Protection

Amit Singhal, Singapore Immunology Network, Singapore
Reprogramming Host Immunometabolic Circuits for Designing TB HDT

Sarah A. Stanley, University of California, Berkeley, USA
Metabolic Regulation of Macrophage Activation during Mtb Infection

Jennifer Philips, Washington University School of Medicine, USA
Targeting Host Metabolism to Treat TB

Short Talks Chosen from Abstracts

Poster Session 2

SUNDAY, JANUARY 19

Lessons from other Persisters

Steven Holland, NIAID, National Institutes of Health, USA
Are Infections in the Lung and Outside it the Same? Host Factors in Mycobacterial Tissue Specificity

Nevi J. Singh, University of Maryland, USA
The Signaling Logic Regulating T Cell Responses to Persistent Antigens

David L. Sacks, NIAID, National Institutes of Health, USA
Dermis Resident Macrophages are Maintained as a Replicative Niche for Leishmania in a Th1 Immune Environment

Haina Shin, Washington University, USA
Distinct Host Restriction of HSV-1 and HSV-2 Genital Herpes

Short Talks Chosen from Abstracts

Mechanisms of T Cell Evasion

Joel D. Ernst, University of California, San Francisco, USA
Partners of T Cells: Functional Diversity of Mononuclear Phagocytes in Chronic M. tuberculosis Infection

Samuel M. Behar, University of Massachusetts Medical School, USA
Differential Processing of M. tuberculosis Antigens in Priming and Persistence

Kevin B. Urdahl, Seattle Children's Research Institute,, USA
Barriers to Immunity in the TB Granuloma

Short Talks Chosen from Abstracts

MONDAY, JANUARY 20

Pathogen Determinants of Immune Evasion

Steven A. Porcelli, Albert Einstein College Of Medicine, USA
Mycobacterial PE_PGRS Proteins in Evasion of Innate and Adaptive Immunity

Olivier Neyrolles, IPBS, CNRS-University of Toulouse, France
C-Type Lectin Receptors in Immunity to Tuberculosis

Maximiliano Gutierrez, Francis Crick Institute, UK
Mycobacterium tuberculosis Evasion of Xenophagy in the Cytosol of Host Cells

Oren S. Rosenberg, University of California, San Francisco, USA
TB from the Inside Out: Structural Biology of ESX Secretion

Short Talks Chosen from Abstracts

Workshop 3: Radical Immune Modulation for Treatment of XDR-TB
Short Talks Chosen from Abstracts

**Trained Immunity and Control of TB**

- **Mihai G. Netea**, Radboud University, Netherlands  
  *Trained Immunity: A Memory for Innate Host Defense*

- **Maziar Divangahi**, McGill University, Canada  
  *M. tuberculosis Reprograms HSCs to Limit Myelopoiesis and Impair Trained Immunity*

- **Simone A. Joosten**, Leiden University Medical Center, Netherlands  
  *Trained Immunity in TB Exposure*

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers)**

**TUESDAY, JANUARY 21**

**Departure**