AGENDA

Wednesday, April 14, 1999
8:30 – 9:00 a.m. Opening Remarks: Gary J. Nabel, MD, Director, Vaccine Research Center, National Institutes of Health

IMMUNOLOGY
Co-Chairs: Lynn Pulliam, PhD, University of California, San Francisco
            Clayton A Wiley, MD, PhD, University of Pittsburgh Medical Center

9:00 – 9:45 a.m. Keynote: The Brain as an Immune Organ Revisited
        Cedric S Raine, PhD, DSc, Albert Einstein College of Medicine

9:45 – 10:15 a.m. Innate and Acquired Immunity in AIDS Dementia
        Howard Gendelman, MD, University of Nebraska Medical Center

10:15 – 10:30 a.m. BREAK

10:30 – 11:00 a.m. The Potential Role of HIV-1 Infected Neural Derived Cells in the Pathogenesis of CNS Damage
        Eugene Major, PhD, National Institute of Neurological Disorders and Stroke

11:00 – 11:30 a.m. Immunological Ignorance of Pathogens in the Brain Parenchyma
        V Hugh Perry, PhD, CNS Inflammation Group, University of Southampton

11:30 – 12:00 p.m. Host Response in the CNS of SIV-Infected Rhesus Monkeys
        Howard S Fox, MD, PhD, The Scripps Research Institute

12:00 – 12:30 p.m. Discussion

HIV AND THE BLOOD BRAIN BARRIER
Co-Chairs: Howard S Fox, MD, PhD, The Scripps Research Institute
            Ashlee V Moses, MD, Oregon Health Sciences University

1:30 – 2:15 p.m. Keynote: Perivascular Cells: Key Players in the CNS Environment
        William F Hickey, MD, Dartmouth Medical School

2:15 – 2:45 p.m. Molecular Analysis of Cerebrospinal Fluid: Potential for the Study of HIV Brain Infection
        Paola Cinque, MD, San Raffaele Hospital

2:45 – 3:15 p.m. Mechanisms of Leukocyte Trafficking into the CNS
        Joan Berman, PhD, Albert Einstein College of Medicine

3:15 – 3:30 p.m. BREAK

3:30 – 4:00 p.m. Immunopathogenesis of HIV-1 Associated Dementia: A Central Role for the Blood-Brain Barrier
        Yuri Persidsky, MD, PhD, University of Nebraska Medical Center

4:00 – 4:30 p.m. Virotoxins and HIV Dementia
        Avi Nath, MD, University of Kentucky Medical Center

4:30 – 5:00 p.m. Discussion

5:00 p.m. Reception and Poster Session
7:00 p.m. Dinner

**Guest Speakers:**  Audrey Penn, MD, Deputy Director, National Institute of Neurological Disorders and Stroke
Gregg Gonsalves, Policy Director, Treatment Action Group

**Thursday, April 15, 1999**

**VIRAL LOAD IN THE CNS**

**Co-Chairs:** Ron Ellis, MD, PhD, University of California, San Diego
Richard W Price, MD, University of California, San Francisco

8:30 – 9:15 a.m. Keynote: Origin and Evolution of HIV-1
     George M Shaw, MD, PhD, University of Alabama at Birmingham

9:15 – 9:45 a.m. Neuronal Apoptosis in HIV Infection Correlation with Stage of Disease, Dementia, Microglial Activation, Axonal Damage and Expression of Viral Protein p24
     Francoise Gray, MD, Hospital Raymond Poincare

9:45 – 10:15 a.m. Recent Work on Neuronal Damage in HIV and Possible Strategies for Protection
     Ian P Everall, MD, Maudsley Hospital

10:15 – 10:30 a.m. BREAK

10:30 – 11:00 a.m. HIV Load and Dementia
     Justin McArthur, MB, BS, MPH, Johns Hopkins University

11:00 – 11:30 a.m. HIV Infection in the Brain: Timing, Mode of Entry and Persistence
     Suzanne Gartner, PhD, Johns Hopkins University

11:30 a.m. – 12:00 p.m. Discussion

**HIV CO-RECEPTORS IN THE CNS**

**Chair:** M Christine Zink, DVM, PhD

1:30 – 2:15 p.m. Keynote: Expression of Chemokines and their Receptors in the Nervous System during Inflammatory Reactions
     Richard M Ransohoff, MD, The Research Institute/Cleveland Clinic Foundation

2:15 – 2:45 p.m. Chemokine Receptors and Mechanisms of Cell Death in HIV Neuropathogenesis
     Dana Gabuzda, MD, Dana-Farber Cancer Institute

2:45 – 3:15 p.m. Chemokine Receptors in HIV Infection of Adult Microglia
     Francisco Gonzalez-Scarano, MD, PhD, University of Pennsylvania

3:15 – 3:30 p.m. BREAK

3:30 – 4:00 p.m. Patterns of Chemokine Receptor Expression in Neurons
     Dennis Kolson, MD, PhD, University of Pennsylvania

4:00 – 4:30 p.m. Learning from Nature’s Experiments: vMIP-2, a Viral Chemokine Agonist/Antagonist
     Stephen C Peiper, MD, James Graham Brown Cancer Center

4:30 – 5:00 p.m. Discussion

**Friday, April 16, 1999**

**THERAPEUTICS**

**Chair:** Christina M Marra, MD, University of Washington/ Harborview Medical Center

8:30 – 9:15 a.m. Keynote: Current Approaches to Treatment for HIV-1 Infection
     William G Powderly, MD, Washington University School of Medicine
9:15 – 9:45 a.m. Therapeutic Issues for HIV Brain Disease
   David B Clifford, MD, Washington University School of Medicine
9:45 – 10:15 a.m. Neurologic Disease in Injection Drug Users: Therapeutic Approaches
   Walter Royal, III, MD, Johns Hopkins University
10:15 – 10:30 a.m. BREAK
10:30 – 11:00 a.m. Persistent NeuroAIDS in Children: A Neglected Opportunity for Neuroscience
   Pim Brouwers, PhD, Texas Children's Cancer Center/Baylor College of Medicine
11:00 – 11:30 a.m. Therapeutics of AIDS Dementia with NMDA Antagonists
   Stuart A Lipton, MD, PhD, Brigham and Women’s Hospital/Harvard Medical School
11:30 – 12:00 p.m. Discussion