

## **LEPROSY AWARENESS IN THE U.S.**

**Awareness and Management of a Rare Disease—Leprosy—in the United States**

**April 16, 17, 2009  
Bethesda, MD**

**Clinical Session: *Lack of Leprosy Awareness in the U.S. and Services Provided to Physicians by the National Hansen's Disease Programs (NHDP)***

**Scientific Session: *Leprosy Research Update (Program for Rare Disease Meeting – NIH)***

### **PURPOSE of the Clinical Session:**

To Increase in physicians and other healthcare providers an:

- Awareness of Hansen's Disease (HD) in the U.S.
- Understanding of the current concepts in diagnosis and treatment of HD.

### **TARGET AUDIENCE**

Physicians: Infectious Diseases, Dermatology, Family and General Practice

Nurses: including Public Health and Community Health

Researchers: for the scientific community to outline and discuss scientific updates on the immunology and genetics of leprosy, leprosy reactions, nerve damage, mechanisms of mycobacteria infection and innate immune response.

**April 16, 2009 MORNING CLINICAL SESSION**

5635 Fisher's Lane (Rockville, MD) – Conference Room T500

- 8:30am Welcome  
(Dr. Elizabeth P. Sampaio / Dr. Steven M. Holland)
- 8:45am: Overview of the NHDP program and need for leprosy awareness in U.S.  
(Dr. James Krahenbuhl)
- 9:05 am: World & U.S. epidemiology of leprosy and U.S. endemic leprosy  
(Dr. Richard Truman)
- 9:30 am: Clinical/immuno/histo-pathological spectrum of HD  
(Dr. David Scollard)
- 10:00 am: coffee break
- 10:15 am: Diagnosis, Treatment and management of Reactions  
(Dr. Barbara Stryjewska)
- 11:15 Local case presentations – NIH clinical group  
(Drs. Tara Palmore, Maria Turner, Alexandra Freeman)
- Q&A (all speakers)

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12pm -1pm Working Lunch = Summary of morning session discussion and report

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## April 16 - AFTERNOON SCIENTIFIC SESSION

20 min each speaker

5635 Fisher's Lane (Rockville, MD) – Conference Room T500

**Start: 1pm**

Dr. Tom Gillis (NHDP) – “Genomics of *Mycobacterium leprae*: Gene expression, vaccine development and strain typing”

Dr. Linda Adams (NHDP) – “KO mice and response to *M. leprae* infection "Knock-out mouse strains as models for the spectrum of leprosy”

Dr. Elizabeth Sampaio (NIH / FIOCRUZ) – “Mycobacterial modulation of innate immunity”

Dr. Steven M. Holland (NIH) – “Host genetic deficiencies”

Dr. Tom Hawn (Univ. Washington, Seattle) – "Innate Immunity Variation and Leprosy Susceptibility"

Coffee break

Dr. J. Nery (FIOCRUZ, Brazil) – “Treatment of leprosy reactions in an endemic setting”

Dr. David Scollard (NHDP) – “Potential Cytokine and Chemokine Markers of Reactions”

Dr. Dick Truman (NHDP) – “The armadillo: a natural model for leprosy and peripheral neuropathy”

**Break 5min**

Dr. Ximena Illarramendi (FIOCRUZ, Brazil) – “HIV and leprosy co-infection IRIS and reactions”

Dr. David Kastrinsky (NIH) – “An Introduction to *M. leprae* Cell Wall Associated Lipids”

Dr. G. Kaplan (Univ. Medicine and Dentistry, NJ) – "Mycobacterium leprae Primes Human Monocytes for TLR-Dependent Cytokine Production"

**April 17, 2009**

**NIAID Friday Grand Rounds  
8:30 am - 9:30 am**

Bldg. 10CRC, Conference Room 2-3330  
NIH, Clinical Center, Bethesda, Maryland

**Dr. Tom Hawn**  
University of Washington  
School of Medicine, Seattle

**"Innate Immunity & Mycobacteria: Searching for  
Constants Among Variants"**

**9:30-11:30am**

Conference room – NIH Clinical Center, bldg 10 - Conference Room 10/2C310

**Final discussion and meeting conclusion**

**Meeting report**