

Organization:



**1st International Symposium on
Molecular and Immunological
Diagnostics in Leprosy
- State of the Art and Perspectives -**

Target public:

**Graduate students and
professionals**

Sponsorship:



Support:



**Universidade Federal de
Uberlândia**



**Hospital de Clínicas de
Uberlândia**

Information and Registration:

www.ismidl.credesh.ufu.br

credsh@hc.ufu.br

(34)3216-7872

**Federal University of Uberlândia
Warwick Estevam Kerr Room
Block 4K – Campus Umuarama –
Uberlândia, MG – Brazi
July 15th to 16th, 2009**



Pós Graduação em Ciências da Saúde

Universidade Federal de Uberlândia



1st International Symposium on Molecular and Immunological Diagnostics in Leprosy

Welcome Message

New research advances in genetics, immunology, microbiology, molecular biology and nanotechnology have brought new perspectives to leprosy diagnostics, and these novel modalities may bring a better view on the epidemiological aspects of the disease as well as in monitoring and treatment programs. The main objective of this Symposium is to present new strategies, processes and biomarkers for leprosy diagnostics and to discuss about the standardization and the extensive evaluation of protocols. The discovery of antigens represents a great potential for evaluating individual responses of leprosy patients and contacts in order to predict the outcome and progression of the disease, which together with nanotechnological approaches may present a great impact on monitoring programs of contacts and should be used to improve early detection and treatment. The National Reference Center of Leprosy and Sanitary Dermatology of the Federal University of Uberlândia (UFU) welcome all scientists to participate of this meeting and collaborate in the discussion of the many important topics that will be presented from July 15th to 16th, 2009 at the Federal University of Uberlândia, Warwick Estevam Kerr Room, Campus Umuarama, Block 4K, Uberlândia, MG, Brazil.

Scientific Program

Wednesday, July 15th, 2009

8:00 – 9:00 **Conference registration**

9:00 – 10:00 **Opening Ceremony**

Maria Aparecida de Faria Grossi (National Coordinator of the Brazilian Leprosy Program, Ministry of Health.)

Isabela Maria Bernardes Goulart (National Reference Center of Leprosy and Sanitary Dermatology – Federal University of Uberlândia - UFU)

Alfredo Júlio Fernandes Neto (President of the Federal University of Uberlândia)

Alcimar Barbosa Soares (Dean of Research and Graduate School of the Federal University of Uberlândia)

Lusmar de Paula Faria (Director of the Clinic's Hospital of the Federal University of Uberlândia)

Ben Hur Braga Taliberti (Director of the Medical School of the Federal University of Uberlândia)

10:00 – 10:40 **Molecular tests for genotyping *Mycobacterium leprae*.**

Thomas Gillis (Louisiana State University, USA)

10:40 – 11:00 **Coffee-break**

11:00 – 11:40 **Resistance to Drugs in Leprosy in the Post-Genomic Era: the contribution of the Shepard Techniques in the Detection of Resistant Bacilli.**

Suzana Madeira (Instituto Lauro de Souza Lima, SP)

11:40 – 12:20 **Bio-informatic approach to develop new tests for early detection of leprosy.**

Annemiek Geluk (Leiden University Medical Center, The Netherlands)

12:30 – 14:30 **Lunch break**

14:30 – 15:10 **Genetic Epidemiology of an Isolated Leprosy Population from North Brazil.”**

Marcelo Mira (Federal University of Paraná)

15:10 – 15:50 **Genetic markers and gene expression for diagnostics and prognostics of Leprosy.**

Milton Ozório Moraes (FIOCRUZ, RJ)

15:50 – 16:30 **The use of synthetic peptides to measure exposure to *Mycobacterium leprae*.**

Maria Cristina Pessolani (FIOCRUZ, RJ)

16:30 – 17:00 **Coffee break**

17:00 – 17:40 **New antigen candidates for leprosy diagnosis.**

Mariane Stefani (Federal University of Goiás)

17:40 – 18:20 **Clinical and epidemiological serology applications in Brazil: what are the possibilities?**

Samira Buhner (Federal University of Goiás)

20:00 **Welcome-party**

Thursday, July 16th, 2009

8:30 – 9:10 **Understanding antibody responses to *Mycobacterium leprae* PGL-I, LAM and recombinant protein antigens to define disease-state specific antigenic profiles in leprosy.**

John Spencer (Colorado State University, USA)

9:10 – 9:50 **Surveillance of Drug Resistance in Leprosy**

Lúcia de Paula (Fundação Alfredo da Matta/AM)

9:50 – 10:30 **Isolation of *M. leprae* from human skin through the dispase enzymatic technique – state of the art and perspectives.**

Cláudio Guedes Salgado (Federal University of Pará)

10:30 – 11:00 **Coffee-break**

11:00 – 11:40 **Detection of peripheral nerve involvement in household contacts could be a tool for early diagnosis of leprosy.**

Norma Tiraboschi Foss (University of Sao Paulo)

11:40 – 12:20 **Biomarkers Discovery and Novel Biosensors for Leprosy Diagnostics.**

Luiz Ricardo Goulart (Federal University of Uberlândia)

12:30 – 14:30 **Lunch break**

14:30 – 15:10 **Geographical Surveillance System of *M. leprae* Infection and Chemoprophylaxis of Contacts**

Isabela Maria Bernardes Goulart (Federal University of Uberlândia)

15:10 – 17:30 **Round Table: Perspectives - New diagnostics, vaccines and treatment.**

John Spencer, Thomas Gillis, Annemiek Geluk, Maria Cristina Pessolani, Milton Ozório Moraes, Luiz Ricardo Goulart

17:30 – 18:00 **Closing remarks and social gathering**