

LAMIG/SMI Mucosal Immunology Symposium 2019

Place: Centro Cultural Iztacala Tlalnepantla, Mexico-State/City, UNAM FES-Iztacala,

Dates: 4-7. September 2019

Organizers: Leticia Moreno-Fierros (UNAM), Michael Schnoor (Cinvestav)

Deadline for abstract submission and travel award applications: June 20th 2019

18 travel awards (250-500 US\$) will be given to selected abstracts. Travel awards are sponsored by the Journal of Leukocyte Biology, American Association of Immunologists, Society for Mucosal Immunology and Cinvestav-IPN

More information: www.lamig2019.com

Schedule

04.09

8:00-9:00 Registration, Coffee

9:00-11:00 **Symposium 1: Microbiota and host-bacteria interactions**

Gabriel Núñez, Department of Pathology, University of Michigan; Title: "Microbiota-Host Interactions in Health and Disease"

María Teresa Estrada García, Department of Molecular Biomedicine, Cinvestav, Title: "New mouse model of EAEC interactions with enterocytes"

Gail Hecht, Loyola University, Chicago, IL, Title: "Modulation of host intestinal epithelial barrier and immune response by EPEC"

Oliver Pérez-Martín, Instituto de Ciencias Básicas y Preclínicas Victoria de Girón, Univ. Ciencias Médicas de La Habana, Cuba, Title:

11:00-11:30 Coffee Break

11:30-13:00 Abstract-driven Minisymposium 1

13:00-14:00 Lunch

14:00-15:30 Workshop 1 (Image acquisition and analysis)

15:30-15:45 Coffee Break

15:45-17:45 **Symposium 2: Epithelial barrier functions and innate immunity**

Asma Nusrat, Department of Pathology, University of Michigan; Title: "..."

Porfirio Nava-Domínguez, Department of Physiology, Biophysics and Neurosciences, Cinvestav, Title: "The role of IFN γ in the maintenance of the intestinal epithelial barrier"

Andrei Ivanov, Cleveland Clinic, Lerner College of Medicine, Title: "Molecular engines that regulate the intestinal epithelial barrier in mucosal inflammation"

Michael Schnoor, Department of Molecular Biomedicine, Cinvestav, Title: "The role of actin-binding proteins in epithelial barrier stabilization and leukocyte recruitment during colitis"

17:45 Poster Session, Snacks, Refreshments

05.09

8:00-9:00 Registration, Coffee

9:00-11:00 **Symposium 3: Immunity of lung mucosas**

Zhou Xing, MD, Ph.D , Title: "Respiratory viral-induced innate immune memory macrophages ". McMaster University, Canada

Javier Rangel-Moreno, University of Rochester, NY, Title: "Role of iBALT in Pulmonary Immunity"

Rogelio Hernández-Pando, National Institute of Medical Sciences and Nutrition Salvador Zubirán, Title: "Participation of antimicrobial peptides in the immunopathology of experimental tuberculosis: Therapeutical implications"

Marco Vega-López, Department of Infectomics and Molecular Pathogenesis, Cinvestav, Title: "Studies of the lung immune response after mucosal vaccination"

11:00-11-30 Coffee Break

11:30-13:00 Abstract-driven Minisymposium 2

13:00-14:00 Lunch

14:00-15:30 Workshop 2 (career opportunities in Germany, DAAD, DFG)

15:30-15-45 Coffee Break

15:45-18:00: **SLB-hosted Guest Symposium 4: SLB: Leukocyte functions in mucosal tissues**

Charles Parkos, Department of Pathology, University of Michigan; Title: "..."

Elsa Bou Ghanem, University at Buffalo, NY, Title: "Extracellular Adenosine Regulates Mucosal Immunity in the Lungs by Controlling the Antimicrobial Activity of PMNs during Pneumococcal Pneumonia"

Fernando Real, Inserm, Paris, France, Title: "Establishment and Dynamics of HIV-1 Reservoirs Formed in Tissue Macrophages Subtype M4 Within the Male Genital Mucosa of cART-suppressed Individuals"

Ronen Sumagin, Northwestern University, Chicago, IL, Title: "Neutrophil trafficking and the effector function in inflamed intestinal mucosa"

18:00 Poster Session, Snacks, Refreshments

06.09

9:00-11:00 Symposium 5: Mucosal infections

Kris Chadee, University of Calgary, Canada, Title: "NLRP3 as a pathogen sensor for invasive *Entamoeba histolytica*"

Abigail Betanzos, Department of Infectomics and Molecular Pathogenesis, Cinvestav, Title: "Tight junction regulation during *Entameba histolytica* infection"

Fernando Esquivel-Guadarrama, Medical Faculty, UAEM, Title: "Rotavirus infection as model for the study of the immune response in the intestinal mucosa"

Leticia Moreno Fierros, Ubimed, FES Iztacala, UNAM, Title: "Mucosal adjuvants and food allergy: potential utility and limitations of *Bacillus thuringiensis* protoxin and toxin Cry1Ac"

11-11-30 Coffee Break

11:30-13:00 Abstract-driven Minisymposium 3

13:00-14:00 Lunch Workshop 3 (round table discussions)

14:00-16:00 Symposium 6: Mucosal regulation of immune responses

Ana Maria Caetano Faria, Federal University of Minas Gerais, Belo Horizonte, Brazil, Title: "Immunomodulatory lipids and probiotics in chronic inflammatory diseases and colon cancer development"

Volker Spindler, University of Basel Switzerland, Title: "Autoimmunity to desmosomal adhesion molecules in pemphigus"

José Crispín, National Institute of Medical Sciences and Nutrition Salvador Zubirán, Title: "Molecular mechanisms underlying mucosal tolerance"

Oscar Medina-Contreras, Hospital Infantil de Mexico, Federico Gómez, Title:

16:00-16:30 Coffee Break

16:30-18:00 Journal Clubs

07.09

Excursion to the pyramids of Teotihuacán for interested attendees