

Scientific day on infection and immunity: From basic science to innovation

Monday, September 30th of 2024
08:30-18:30 hrs.

Location:

Aula Magna Manuel José Irarrázaval,
Casa Central de la Pontificia Universidad Católica de Chile.
Av. Libertador Bernardo O'Higgins 340, Santiago, Chile

Scientific Organizing Committee:

- Dra. Susan Bueno, UC
- Dra. Priscila Brebi, UFRO
- Dr. Leandro Carreño, UCH
- Dr. Pablo González, UC
- Dra. Margarita Lay, UA
- Dr. Alexis Kalergis, UC
- Dr. Hernán Peñaloza, UC

PROGRAM

[Registration and Reception \(8:00-8:30\)](#)

08:00-08:30. Registro y Entrega de Credenciales.

[Welcome Remarks \(8:30-9:30\)](#)

Welcoming words from authorities, event organizers, the Millennium Institute on Immunology and Immunotherapy, and Biomedical Research Consortium.

[Investigation and biomedical transfer \(9:30-11:10\)](#)

9:30-10:00. “VAXTHERA: A strategic ally that contributes to health sovereignty in the production of biologicals in Colombia and Latin America”.

Dra. Natalia Muñoz.

Director of Special Projects VaxThera, Colombia.

10:00-10:30. “Innovations in the Development of Vaccines and Antibodies”.

Dr. Yailing Hu.

General Manager of SINOVAC R&D, China.

10:30-10:50. “Development vaccines and therapies against respiratory virus vaccines in Chile: paving the road from the basic research towards community immunization”.

Dr. Alexis Kalergis.

Full Professor, Faculty of Biological Sciences and Medicine at the Pontificia Universidad Católica de Chile, and Director Millennium Institute on Immunology and Immunotherapy, Chile.

10:50-11:10. “Preparing for future pandemics: Implementation of a GMP laboratory for the production of vaccines and biologics in Chile”.

Dr. Pablo A. González.

Associate Professor, Faculty of Biological Sciences and Medicine at the Pontificia Universidad Católica de Chile, and Principal Investigator at the Millennium Institute on Immunology and Immunotherapy, Chile.

11:10-11:40. Coffee Break.

[Microbial Pathogens and Immune Response \(11:40-13:10\)](#)

11:40-12:00. “Understanding immune activation during HIV-1 infection in human microglia”.

Dr. Ricardo Soto Rifo.

Full Professor, Faculty of Medicine at Universidad de Chile, and Principal Investigator at the Millennium Institute of Immunology and Immunotherapy, Chile.

12:00-12:30. “The Power of Mycobacteriophages”.

Dr. Williams Jacobs.

Professor of Microbiology and Immunology and Professor of Genetics, Albert Einstein College of Medicine, USA.

12:30-12:50. “Modulation of B cell responses by NKT cells to improve pathogen immunity”.

Dr. Leandro Carreño.

Associate Professor, Faculty of Medicine at Universidad de Chile, y Deputy Director of the Millennium Institute of Immunology and Immunotherapy, Chile.

12:50-13:10. “Immunomodulatory role of thrombospondin-1 over neutrophil activation during acute lung infection”.

Dr. Hernán Peñaloza.

Assistant Professor, Faculty of Biological Sciences and Medicine at the Pontificia Universidad Católica de Chile, and Young Investigator at the Millennium Institute on Immunology and Immunotherapy, Chile.

13:10-14:30. Lunch Break.

[Intestinal Inflammation and Disease Prevention \(14:30-16:30\)](#)

14:30-15:00. “Innate immune and stromal cell contributions to inflammatory bowel disease”.

Dr. David Boone.

Professor of Microbiology and Immunology at the School of Medicine, Indiana University, and Adjunct Professor at the University of Notre Dame, USA.

15:00-15:20. “Microorganisms and Cancer: Research and Innovation”.

Dra. Priscilla Brebi.

Associate Professor at Universidad de la Frontera, and Principal Investigator at the Millennium Institute on Immunology and Immunotherapy, Chile.

15:20-15:50. “Salmonella infection and cancer: of mice and men”.

Dra. Jun Sun.

Professor of Gastroenterology and Hepatology at the College of Medicine, University of Illinois Chicago, USA.

15:50-16:10. “Contribution of Salmonella infection in chronic intestinal inflammation”.

Dra. Susan Bueno.

Full Professor, Faculty of Biological Sciences at the Pontificia Universidad Católica de Chile, and Director of the Infectious Diseases Area at the Millennium Institute on Immunology and Immunotherapy, Chile.

16:10-16:30. “Book presentation: Medicine in your Kitchen 2”.

Dra. Susan Bueno.

Full Professor, Faculty of Biological Sciences at the Pontificia Universidad Católica de Chile, and Director of the Infectious Diseases Area at the Millennium Institute on Immunology and Immunotherapy, Chile.

16:30-17:00. Coffee Break.

[New Frontiers in Immune and Biomedical Research \(17:00-18:20\)](#)

17:00-17:30. “The characteristics of microbiome data and overview of microbiome statistics”.

Dr. Yinglin Xia.

Research Professor of Medicine at the College of Medicine, University of Illinois Chicago, USA.

17:30-17:50. “Development of an intranasal vaccine against *Streptococcus pyogenes* based in a live probiotic vector”.

Dra. Aniela Wozniak.

Associate Professor, Faculty of Medicine at the Pontificia Universidad Católica de Chile, e Adjunct Investigator at the Millennium Institute on Immunology and Immunotherapy, Chile.

17:50-18:20. “The Importance of European Pharmacopoeia Quality Control Standards/Guidelines in Vaccine Development”.

Dr. Ioannis Rabias.

Head of Quality Control Department at the Institut Pasteur Hellénique, Greece.

18:20-18:30. Closing remarks.

Dr. Alexis Kalergis.

Full Professor, Faculty of Biological Sciences and Medicine at the Pontificia Universidad Católica de Chile, and Director Millennium Institute on Immunology and Immunotherapy, Chile.

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