

HOST- PATHOGEN INTERACTION

**ORGANIZERS: Prof. Federica Briani
Prof. Fabio Fornara
Prof. Paolo Landini**

June 19-20-22, 2023

Room B7



PROGRAM

JUNE 19, 2023

➤ Session 1. General concepts in virulence and immune response

9:00-10:30 Common and unique virulence mechanisms in opportunistic pathogenic bacteria.

Elio Rossi - Dipartimento di Bioscienze, Università degli Studi di Milano

10:30-12:00 Innate and adaptive immune response mechanisms to bacterial pathogens

Moira Paroni - Dipartimento di Bioscienze, Università degli Studi di Milano

➤ Session 2. Infection and immunity: examples from human pathogens

14:00-15:30 A view from the invader's perspective: mechanisms of adaptation and the role of the host environment in chronic cystic fibrosis lung infections.

Elio Rossi - Dipartimento di Bioscienze, Università degli Studi di Milano

15:30-17:00 Interplay between AIEC and gut mucosal immune system: identification of bacterial virulence determinants as targets to prevent chronic inflammatory response in Crohn's disease.

Moira Paroni - Dipartimento di Bioscienze, Università degli Studi di Milano



PROGRAM

JUNE 20, 2023

➤ Session 3. Human infections: mechanisms and control

9:00-11:00. Emerging antivirals for chronic hepatitis B infection: should we target the virus or the host to achieve a cure?

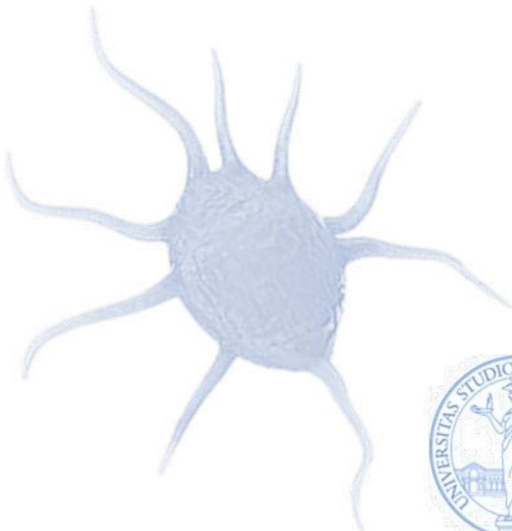
Raffaele De Francesco - Università degli Studi di Milano

11:00-13:00. The concept of infection; human translational model to study the start of invasive infectious disease.

Marco Oggioni - Dipartimento di Farmacia e Biotecnologie FaBiT, Università degli Studi di Bologna

14:30-16:30. Learning from Mtb-Host Interaction to Develop Innovative Strategies for the Diagnosis and Treatment of Tuberculosis.

Giovanni Delogu - Dipartimento di Scienze Biotecnologiche di Base, Cliniche Intensivologiche e Perioperatorie, Università Cattolica del Sacro Cuore, Roma



PROGRAM

JUNE 22, 2023

➤ *Session 4. Plant infectious diseases: resistance mechanisms and infection control*

9:00-11:00 Introduction to plant disease resistance and a focus on rice-*Pyricularia oryzae* (rice blast).

Giampiero Valè - Dipartimento per lo Sviluppo Sostenibile e la Transizione Ecologica, Università del Piemonte Orientale, Vercelli

11:00-13:00 Cellular mechanisms of resistance and susceptibility to plant pathogenic fungi (with a focus on powdery mildew).

Ralph Hueckelhoven - School of Life Sciences, Technical University of Munich

14:30-16:30 Innovative technologies for the control of plant pathogens.

Paolo Pesaresi - Dipartimento di Bioscienze, Università degli Studi di Milano

