

Program

Monday May 30, 2022

Session 1: Introduction, Basic Concepts and History Chair Johanna U Ericson

- 10 -** Registration and poster mounting
- 11:00-11:30** Welcome / Participant Introductions
- 11:30-12:15** **Studying Microbial Pathogenesis - *Listeria monocytogenes* as a model (online)**
Anat Herskovits, The Shmunis School of Biomedicine and Cancer Research, Tel Aviv University, Tel Aviv, Israel [Biosketch page 9](#).
- 12:15-12:30** Questions and Discussion
- 12:30-13:30** Lunch
- 13:30-14:15** **Concepts of Virulence - the *Staphylococcus aureus* model**
José R Penadés, Department of Infectious Disease, Imperial College London, United Kingdom. [Biosketch page 10](#).
- 14:15-14:30** Questions and Discussion
- 14:30-14:45** Coffee

Session 2: Microbiota/Commensals Chair José R Penadés

- 14:45-15:30** **Animal Models for Drug Development Against Respiratory Infectious diseases (online)**
Priscille Brodin, University of Lille, Institut Pasteur de Lille, France. [Biosketch page 11](#).
- 15:30-15:45** Questions and Discussion with Priscille Brodin
- 15:45-16:30** **Gut Microbiota and Health During Lifespan**
Anne Salonen, Human Microbiome Research Program, Faculty of Medicine, University of Helsinki, Finland. [Biosketch page 12](#).
- 16:30-16:45** Questions and Discussion with Anne Salonen
- 16:45-17:00** Break
- 17:00 -17:45** **Gut Microbiota and Metabolic Diseases (online)**
Valentina Tremaroli, Department of Molecular and Clinical Medicine, University of Gothenburg, Sweden. [Biosketch page 13](#).
- 17:45-18:00** Questions and Discussion with Valentina Tremaroli

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Tuesday May 31, 2022

Session 3: Bacterial Pathogens Chair Morten Kjos

- 8:30-9:15** **Sweet Appearances: Staphylococcus Surface Glycans at the Host-pathogen Interface (online)**
Nina van Sorge, Department of Medical Microbiology, Amsterdam University Medical Center, Netherlands. [Biosketch page 14](#).
- 9:15-9:30** **Questions and Discussion with Nina van Sorge**
- 9:30-09:45** **Break**
- 09:45-10:30** **The *Pseudomonas aeruginosa* type VI secretion system: a bacterial killing machine**
Alain Filloux, Department of Life Sciences, Imperial College, London, United Kingdom. [Biosketch page 15](#).
- 10:30-10:45** **Questions and Discussion with Alain Filloux**
- 10:45-11:00** **Break**
- 11:00-12:00** [Poster Session I](#)
(10 min presentation + 5 min questions in 2 parallel groups).
[Group 1](#): room MH2 U09.314. [Group 2](#): room MH2 U09.326.
- 12:00-12:30** **Free poster viewing of the "posters of the day"**
- 12:30-14:30** **Lunch**

Session 4: Bacterial Pathogens continued Chair Frederick Hayden

- 14:30-15:15** **Molecular Genetic Approaches to Unveil the Secrets of Chlamydia's Intracellular Life (online)**
Barbara Sixt, Department of Molecular Biology, Umeå University, Sweden. [Biosketch page 16](#).
- 15:15-15:30** **Questions and Discussion with Barbara Sixt**
- 15:30-15:45** **Break**
- 15:45-16:30** **Studying host-pathogen interactions using single-cell genomics (online)**
Antoine-Emmanuel Saliba, Helmholtz Institute for RNA-based infection research, Würzburg, Germany. [Biosketch page 17](#).
- 16:30-16:45** **Questions and Discussion with Antoine-Emmanuel Saliba**

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Wednesday June 1, 2022

Session 5: Virology Chair Debra Milton

- 8:30-9:15** **Concepts of Virology - 12 million solutions in 20 moves?**
Hans H. Hirsch, Department Biomedicine, University of Basel and
University Hospital Basel, Basel, Switzerland. [Biosketch page 18](#).
- 09:15-09:30** **Questions and Discussion with Hans H. Hirsch**
- 9:30-09:45** **Break**
- 09:45-10:45** **[Poster Session II](#)**
[Group 1](#): room MH2 U09.314. [Group 2](#): room MH2 U09.326.
- 10:45-11:15** **Free poster viewing of the "posters of the day"**
- 11:15-11:30** **Break**
- 11:30-12:15** **Influenza and SARS (online)**
Rebecca Jane Cox, Influenza Centre, Department of Clinical Science,
University of Bergen, Bergen, Norway. [Biosketch page 19](#).
- 12:15-12:30** **Questions and Discussion with Rebecca Jane Cox**
- 12:30-14:30** **Lunch**

Session 6: Virology continued Chair Hans H. Hirsch

- 14:30-15:15** **Antiviral Therapy-focus Influenza, RSV, and Coronaviruses**
Frederick Hayden, Department of Medicine, University of Virginia,
USA. [Biosketch page 20](#).
- 15:15-15:30** **Questions and Discussion with Fred Hayden**
- 15:30-15:45** **Break**
- 15:45-16:30** **Hantaviruses (online)**
Jonas Klingström, Center for Infectious Medicine, Department of
Medicine Huddinge, Karolinska Institutet, Stockholm, Sweden.
[Biosketch page 21](#).
- 16:30-16:45** **Questions and Discussion with Jonas Klingström**
- 19:00-21:00** **Course dinner - Bardus Bistro**

Program

Thursday June 2, 2022

Session 7: Host Response Chair Marte Singsås Dragset

- 8:30-9:15** **Host Response to Infection**
Luke O'Neill, School of Biochemistry and Immunology, Trinity College, Dublin, Ireland. [Biosketch page 22](#).
- 09:15-09:30** **Questions and Discussion with Luke O'Neill**
- 9:30-09:45** **Break**
- 09:45-10:30** **Detection of Pathogen Infection by the Host**
Clare Bryant, Department of Medicine, Department of Veterinary Medicine, University of Cambridge, United Kingdom. [Biosketch p. 23](#).
- 10:30-10:45** **Questions and Discussion with Clare Bryant**
- 10:45-11:00** **Break**
- 11:00-11:45** **Host response and infection models**
Pere-Joan Cardona, Unitat de Tuberculosi Experimental, Institut Germans Trias i Pujol, Barcelona, Spain. [Biosketch page 24](#).
- 11:45-12:00** **Questions and Discussion with Pere-Joan Cardona**
- 12:00-13:00** **Lunch**

Session 8: Parasitology Chair Luke O'Neill

- 13:00-13:45** **Parasites - why are they cool? (online)**
Staffan Svärd, Department of Cell and Molecular Biology, Uppsala University, Sweden. [Biosketch page 26](#).
- 13:45-14:00** **Questions and Discussion with Staffan Svärd**
- 14:00-14:15** **Break**
- 14:15-15:00** **Molecular mechanisms of Plasmodium motility and invasion - perspectives on drug design (online)**
Inari Kursula, Department of Biomedicine, University of Bergen, Norway and Faculty of Biochemistry and Molecular Medicine, University of Oulu, Finland [Biosketch page 27](#).
- 15:00-15:15** **Questions and Discussion with Inari Kursula**
- 15:15-15:30** **Break**

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Session 9: Human Infection Studies Chair Johanna U Ericson

- 15:30-16:15** **Human Infection Studies (online)**
Robert Charles Read, Infectious Disease and Clinical Microbiology,
University of Southampton, UK. [Biosketch p. 28](#).
- 16:15-16:30** **Questions and Discussion with Robert Charles Read**
- 16:30-16:45** **Break**
- 16:45-17:45** [Poster Session III](#)
[Group 1](#): room MH2 U09.314. [Group 2](#): room MH2 U09.326.
- 17:45-18:15** **Free poster viewing of the "posters of the day"**
- 18:15 -** **Pizza**

Friday June 3, 2023

Session 10: Student-invited Lectures Chair Srijana Bastakoti

- 09:00-09:45** **Statistical and Mathematical Models for Infectious Diseases (online)**
Kathleen O'Reilly, Centre for the Mathematical Modelling of Infectious
Diseases, London School of Hygiene and Tropical Medicine, London,
UK. [Biosketch page 29](#).
- 09:45-10:00** **Questions and Discussions with Kathleen O`Reilly**
- 10:00-10:15** **Break**
- 10:15- 11:00** **AMR and infectious diseases (online)**
Bjørn Blomberg, Department of Medicine, Haukeland University
Hospital and Department of Clinical Science, University of Bergen,
Bergen, Norway. [Biosketch page 30](#).
- 11:00-11:15** **Questions and Discussion with Bjørn Blomberg**
- 11:15-11:30** **Break**

Session 11: Course Summation

- 11:30-12:00** **Concluding remarks, [evaluation](#), and course certificates**
- 12:00-13:00** **Lunch (to bring or eat in)**