

Program

Monday June 5, 2023

Session 1: Introduction, Basic Concepts and History

Chair Mike Koomey

- 9 -** Registration and poster mounting
- 10:00-10:30** Welcome / Participant Introductions
- 10:30-11:15** **Concepts of Virulence - the *Staphylococcus aureus* model**
José R Penadés, Department of Infectious Disease, Imperial College London, United Kingdom.
- 11:15-11:30** **Questions and Discussion with José R Penadés**
- 11:30-12:15** **Highlights of Bacteriology**
José R Penadés, Department of Infectious Disease, Imperial College London, United Kingdom.
- 12:15-12:30** **Questions and Discussion with José R Penadés**
- 12:30-13.30** Lunch
- 13:30-14:15** **Studying Microbial Pathogenesis - *Listeria monocytogenes* as a model**
Anat Herskovits, The Shmunis School of Biomedicine and Cancer Research, Tel Aviv University, Tel Aviv, Israel
- 14:15-14:30** **Questions and Discussion with Anat Herskovits**
- 14:30-14:45** Coffee
- 14:45-15:30** **Animal Models for Drug Development Against Respiratory Infectious diseases (online)**
Priscille Brodin, University of Lille, Institut Pasteur de Lille, France.
- 15:30-15.45** **Questions and Discussion with Priscille Brodin**

Session 2: Student invited speaker session

Chair: Navdeep Kaur Brar

- 15:45-16:30** **Introduction to infectious Disease Modelling and its application**
Nicky McCreesh, London School of Hygiene & Tropical Medicine, CMMID.
- 16:30-16:45** **Questions and Discussion with Nicky McCreesh**

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16:45-17:00 **Understanding bacterial pathogenesis to address antibiotic resistance**
Anders Håkansson, Experimental Infection Medicine, Lund University, Sweden

17:00-17:15 **Questions and Discussion with Anders Håkansson**

Tuesday June 6, 2023

Session 3: Bacterial Pathogens

Chair Morten Kjos

8:30-9:15 **Studying host-pathogen interactions using single-cell genomics**
Anotine-Emmanuel Saliba, Helmholtz Institute for RNA-based infection research, Würzburg, Germany

9:15-9:30 **Questions and Discussion with Anotine-Emmanuel Saliba**

9:30-10:15 **Spatial and temporal regulation of Type 6 Secretion System dynamics during interactions with bacterial and eukaryotic cells**
Marek Basler, The Center for Molecular Life Sciences, University of Basel

10:15-10:45 **Questions and Discussion with Marek Basler**

10:45-11:00 **Break**

11:00-12:00 **[Poster Session I](#)**
(10 min presentation + 5 min questions in 2 parallel groups).
[Group 1](#): St.Petri. [Group 2](#): Gregerstua.

12:00-12:30 **Free poster viewing of the "posters of the day"**

12:30-14:30 **Lunch and social activity**

Session 4: Bacterial Pathogens continued

Chair José R Penadés

14:30-15:15 **Molecular Genetic Approaches to Unveil the Secrets of Chlamydia's Intracellular Life**

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Barbara Sixt, Department of Molecular Biology, Umeå University, Sweden.

15:15-15:30 **Questions and Discussion with Barbara Sixt**

15:30-15:45 **Break**

15:45-16:30 **Enterococcal virulence (online)**
Kimberly Kline, Singapore Centre for Environmental Life Sciences, University of Geneva

16:30-16:45 **Question and discussion with Kimberly Kline**

Wednesday June 7, 2023

Session 5: Virology

Chair Debra Milton

8:30-9:15 **Concepts of Virology - 12 million solutions in 20 moves? (online)**
Hans H. Hirsch, Department Biomedicine, University of Basel and University Hospital Basel, Basel, Switzerland.

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](#): St.Petri **[Group 2](#)**: Gregerstua.

10:45-11:15 **Free poster viewing of the "posters of the day"**

11:15-11:30 **Break**

11:30-12:15 **Influenza**
Rebecca Jane Cox, Influenza Centre, Department of Clinical Science, University of Bergen, Bergen, Norway

12:15-12:30 **Questions and Discussion with Rebecca Jane Cox**

12:30-14:30 **Lunch**

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Session 6: Virology continued

Chair Tone Tønjum

- 14:30-15:15** **SARS-CoV-2**
Rebecca Jane Cox, Influenza Centre, Department of Clinical Science,
University of Bergen, Bergen, Norway
- 15:15-15:30** **Questions and Discussion with Rebecca Jane Cox**
- 15:30-15:45** **Break**
- 15:45-16:30** **Neurotropic Flaviviruses and tools to study them**
Anna Överby Wernstedt, Department of Clinical Microbiology, Umeå
Universit Sweden
- 16:30-16:45** **Questions and Discussion with Anne Överby Wernstedt**
- 19:00-21:00** **Course dinner –**

Thursday June 8, 2023

Session 7: Host Response

Chair Marte Singås Dragset

- 8:30-9:15** **Detection of Pathogen Infection by the Host (online)**
Clare Bryant, Department of Medicine, Department of Veterinary
Medicine, University of Cambridge, United Kingdom.
- 09:15-09:30** **Questions and Discussion with Clare Bryant**
- 9:30-09:45** **Break**
- 09:45-10:30** **Host Response to Infection**
Charlotte Odendall, School of Immunology & Microbial Sciences, Kings
College London
- 10:30-10:45** **Questions and Discussion with Charlotte Odendall**
- 10:45-11:00** **Break**
- 11:00-11:45** **Host response and infection models**

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Pere-Joan Cardona, Unitat de Tuberculosi Experimental, Institut Germans Trias i Pujol, Barcelona, Spain.

11:45-12:00 **Questions and Discussion with Pere-Joan Cardona**

12:00-13:00 **Lunch**

Session 8: Parasitology

Chair Kurt Hanevik

13:00-13:45 **Parasites - why are they cool?**

Staffan Svärd, Department of Cell and Molecular Biology, Uppsala University, Sweden.

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**

Inari Kursula, Department of Biomedicine, University of Bergen, Norway and Faculty of Biochemistry and Molecular Medicine, University of Oulu, Finland

15:00-15:15 **Questions and Discussion with Inari Kursula**

15:15-15:30 **Break**

Session 9: Human Infection Studies

Chair Mike Koomey

15:30-16:15 **Human Infection Studies**

Robert Read, of Southampton, UK.

16:15-16:30 **Questions and Discussion with Robert Read**

16:30-16:45 **Break**

16:45-17:45 **[Poster Session III](#)**

[Group 1](#): St.Petri. [Group 2](#): Gregerstua.

17:45-18:15 **Free poster viewing of the "posters of the day"**

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Friday June 9, 2023

Session 10: Microbiota

Chair Mike Koomey

- 08:30-09:15** **Gut Microbiota and Metabolic Diseases (online)**
Valentina Tremaroli, Department of Molecular and Clinical Medicine,
University of Gothenburg, Sweden.
- 09:15-09:30** **Questions and Discussion with Valentina Tremaroli**
- 09:30-09:45** **Break**
- 09:45-10:30** **Gut Microbiota and Health During Lifespan**
Anne Salonen, Human Microbiome Research Program, Faculty of
Medicine, University of Helsinki, Finland.
- 10:30-10:45** **Questions and Discussion with Anne Salonen**
- 10:45-11:15** **Concluding remarks, [evaluation](#), and course certificates**
- 11:30-15:00** **Lunch (to bring or eat in)**