

Programme 4th NDPIA/SFM Day 2 October

8.45 Bus from Landvetter airport to Hjortviken Konferens

09.00 - 09.30 Registration, coffee and poster mounting

SESSION I *Chairpersons:*

Keira Melican, Karolinska Institutet and Åke Forsberg, Umeå University

09.30 – 09.45 **Welcome address**

Keira Melican (SFM), Åke Forsberg (NDPIA)

09.45 – 10.15 **Keynote 1**

***Neisseria meningitidis* vascular colonization**

Guillaume Dumenil, Pasteur Institute, Paris, France

10.15 – 10.30 **GM1 ganglioside-independent intoxication by cholera toxin**

Jakob Cervin, University of Gothenburg

10.30 – 10.45 **Supra-Epidermal Neutrophil Recruitment in Response To *Staphylococcus Aureus* Colonization of Human Skin**

Anette Schulz, Karolinska Institutet

10.45 – 11.00 ***In vivo* and *in vitro* studies of the host-parasite interactions of *Spironucleus salmonicida* and the Atlantic salmon**

Ásgeir Ástvaldsson, Uppsala University

11.00 - 11.30 Coffee and poster viewing

SESSION II *Chairpersons: Åsa Sjöling, Karolinska Institutet and Carl-Fredrik Flach, University of Gothenburg*

11.30 - 12.00 **Keynote 2**

The Brain-Gut axis: Impact of DNA repair and the microbiome

Tone Tønjum, University of Oslo/Oslo University Hospital, Norway

12.00 - 12.15 **Salmonella-host encounter: infection-relevant RNA-protein interactions**

Yolanda Martinez, Uppsala University

12.15 – 12.30 **The Role of *Plasmodium falciparum* Calcium-Dependent Protein Kinase 5 in Parasite Egress**

Karin Blomqvist, Karolinska Institutet

12.30 - 15.00 Lunch followed by **poster walks in groups from 13.30**
(coffee provided from 14.15)

SESSION III *Chairpersons:*

Edmund Loh, Karolinska Institutet and Marie Hagbom, Linköping University

15.00 – 15.15 **Seasonal variation of tick-borne encephalitis virus (TBEV) prevalence in questing *Ixodes ricinus* ticks from south-eastern Norway**

Alaka Lamsal, University of South-Eastern Norway

- 15.15 – 15.30 **A human-associated colonization factor in enterotoxigenic *E. coli* (ETEC) recognizes mucosal binding structures present in the human and porcine small intestine**
Astrid von Mentzer, University of Gothenburg
- 15.30 – 15.45 **Class II contact-dependent growth inhibition (CDI) systems allows for broad-range cross-species toxin delivery**
Marcus Wäneskog, Uppsala University
- 15.45 – 16.00 **A regulatory RNA contribution to invasive meningococcal disease in Europe, 2010-2018: a molecular epidemiological study**
Jens Karlsson, Karolinska Institutet
- 16.00 – 16.15 **Role of RpoN (sigma 54) in establishment of *Yersinia pseudotuberculosis* persistent infection**
Firoj Mahmud, Umeå University
- 16.15 - 16.30 Break
- SESSION IV** *Chairpersons: Disa Larsson Hammarlöf, Uppsala University and Fredrik Kahn, Lund University*
- 16.30 - 17.00 **Keynote 3**
Order, and disorder in the assembly and neutralization of human parechovirus
Sarah Butcher, University of Helsinki, Finland
- 17.00 - 17.15 **Surveillance of enteric viruses in sewage reveals high viral diversity and synchronous time patterns with number of hospital patients infected with the viruses**
Wang Hao, University of Gothenburg
- 17.15 – 17.30 **Pathogenic sub-populations promote persistent infection adaptation to human host**
Rachel Hickman, Uppsala University
- 17.30 – 17.45 **Free-living streamlined bacteria in lakes and oceans**
Alexander Eiler, University of Oslo, Norway
- 17.45 – 18.00 **Biofilm microenvironment acidity evaluation by pH responsive nanoparticle films**
Padryk Merkl, Karolinska Institutet
- 18.00 – 18.20 Concluding remarks/brief evaluation/closing of the meeting

Grab and go food
- 18.30 Bus from Hjortviken Konferens to Landvetter airport