



IBA

National Graduate School in
Infection Biology and Antimicrobials



Norwegian University
of Life Sciences

MONDAY, November 1st

11.15	Registration	
12.00	Lunch	
13.00	Welcome and opening	
SESSION 1 Host-pathogen interaction		<i>Chairs: Alejandro Jimènez Melèndez, Ephrem Debebe Zegeye</i>
13.10	<i>Keynote talk</i> -Structural characterization of novel type of extremely heat and chemically resilient pili expressed on bacterial spores	Marina Elisabeth Aspholm, NMBU
14.00	Transcriptome analysis of HCT-8 cell co-infected with bovine coronavirus and <i>Cryptosporidium parvum</i>	Ruchika Shakya, NMBU
14.15	Crisis adaptation: short-patch double illegitimate recombination and genome maintenance	Mikkel Liljegren, UiT
14.30	Effector translocation of the fish pathogen <i>Saprolegnia parasitica</i> and their commercial exploitation	Franziska Trusch, UiS
14.45	Molecular mechanisms in <i>Mycobacterium tuberculosis</i> -infected macrophages	Ragnhild S. R. Sætra, NTNU
15.00	Natural history of tuberculosis mortality in western Norway during 1931-47: novel insights from the autopsy records	Syeda Mariam Riaz, UiB
15.15	Coffee break	
SESSION 2 Microbial omics in infection		<i>Chairs: Ann-Katrin Llarena, Özgün Onarman Umu</i>
15.30	<i>Keynote talk</i> - Infection, antibiotics, resistance and the microbiome: What happens when, and how? (online)	Noelle Noyes, UMN, US
16.20	Resistexplorer: A web-based tool for visual, statistical and exploratory analysis of resistome data	Achal Dhariwal, UiO
16.35	International links between <i>Streptococcus pneumoniae</i> vaccine serotype 4 sequence type (ST) 801 in Northern European shipyard outbreaks of invasive pneumococcal disease	Rebecca Gladstone, UiO
16.50	Exploring differentially expressed genes of <i>Staphylococcus aureus</i> colonizing human tonsillar cells using RNA-sequencing	Srijana Bastakoti, UiT
17.05	Apparent nosocomial adaptation of <i>Enterococcus faecalis</i> predates the modern hospital era	Anna Kaarina Pöntinen, UiO
17.20	Poster session	
19.15	Dinner at <i>Hotel Bristol</i>	

TUESDAY, November 2nd

SESSION 3 One Health perspective on AMR		<i>Chairs: Camilla Sekse, Özgün Onarman Umu</i>
08.50	<i>Keynote talk</i> – Pandemics and preparedness	Line Vold, FHI
09.40	<i>Klebsiella pneumoniae</i> from healthy animals a potential reservoir for virulence determinants	Håkon Kaspersen, NVI
09.55	A novel staphylococcal morphology determinant	Ine Storaker Myrbråten, NMBU
10.10	Survival of esc-resistant <i>E. coli</i> in an in vitro digestion model	May Linn Buberg, NMBU
10.25	The search for cytotoxic drugs driving the evolution of antibiotic resistance	Jónína Sæunn Guðmundsdóttir, UiT
10.40	Coffee break	
SESSION 4 Novel antimicrobials and drug discovery		<i>Chairs: Dzung Diep, Kirill Ovchinnikov</i>
11.10	<i>Keynote talk</i> - Bacteriocins and bacteriophages: from bioinspiration to the clinic	Beatriz Martínez, IPLA-CSIC, Spain
12.00	Investigation of the antimicrobial activity and proteolytic stability of the short analogues of the marine peptide EeCentrocin 1	Danijela Simonovic, UiT
12.15	Antimicrobial activity and mode of action study of short analogues of the marine antimicrobial peptide Turgencin A	Hymonti Dey, UiT
12.30	Thiopeptide micrococcin P1 shows synergy with rifampicin against MRSA in murine skin infection model	Kirill Ovchinnikov, NMBU
12.45	A novel, multifunctional target in mycobacterial drug discovery	Niruja Sivakumar, NTNU
13.00	Concluding remarks	
13.15	Lunch	
14.15	Board meeting	