

Monday October 26th

13:00 Welcome and opening remarks
Mike Koomey
Jan Egil Afset

Animal infection models (Chair: Signe Åsberg)

13:15 **EXPLORING THE HOST CONTRIBUTION IN MYCOBACTERIAL INFECTION: LESSONS FROM DROSOPHILIA** Marc Dionne, UK

13:45 *MYCOBACTERIAL VIRULENCE GENES IN DROSOPHILA MELANOGASTER* Marte Dragset, NTNU

14:00 *NANOPARTICLES ENCLOSING PRETOMANID DERIVATIVES FOR THE TREATMENT OF TUBERCULOSIS IN THE ZEBRAFISH EMBRYO* Federico Fenaroli, UiO

14:15 *THE EFFECT OF HOST-DIRECTED THERAPY ON INTRANASAL MYCOBACTERIUM AVIUM INFECTION* Sindre D Mediaas, NTNU

14:30 Discussion 1 (Breakout rooms 6-10 persons)

14:45 Break 15 min

Host microbe interaction (Chair: Marte Dragset)

15:00 *NEW STRATEGIES TO DISARM STAPHYLOCOCCUS AUREUS* Mona Johannessen, UiT

15:30 *PATHOGENESIS OF HUMAN POST-PRIMARY TUBERCULOSIS: NOVEL INSIGHTS FROM NORWEGIAN ARCHIVAL TISSUE MATERIAL OF THE PRE-ANTIBIOTIC ERA* Syeda Riaz, UiB

15:45 *BACTERIAL SURVIVAL IN HIGHLY ACIDIC ENVIRONMENTS – STUDY OF STRUCTURE-FUNCTION RELATIONSHIP OF UREA CHANNELS* Joel Heim, UiO

16:00 *Title to be announced*

16:15 Discussion 2 (Breakout rooms 6-10 persons)

16:30 Break 30 min

Poster session 1

17:00 Presentation of posters

17:30 Zoom rooms for posters

Local dinner

Tuesday October 27th

08:30 Welcome

Antimicrobial resistance (Chair: Sindre D Mediaas)

- 08:45 *ANTIBACTERIAL EFFECT OF APIM-PEPTIDES* Synnøve B Ræder, NTNU
- 09:00 *FREQUENCY AND PATTERNS OF FIRST- AND SECOND-LINE DRUG RESISTANCE-CONFERRING MUTATIONS OF MYCOBACTERIUM TUBERCULOSIS ISOLATED FROM PULMONARY TUBERCULOSIS PATIENTS IN TIGRAY REGION, ETHIOPIA* Letemichael Negash Welekidan, NMBU
- 09:15 *Ceftazidime selection causes distinct evolutionary trajectories within the carbapenemase OXA-48* Christopher Frölich, UiT
- 09:30 *GENOME-WIDE CRISPR INTERFERENCE SCREENS IN STAPHYLOCOCCUS AUREUS* Maria Heggenhougen, NMBU

09:45 Discussion (breakout rooms (6-10 persons))

10:00 Break 15 min

Poster session 2

- 10:15 Presentation of posters
- 10:45 Zoom room for posters

Innovation and drug discovery (Chair: Synnøve B Ræder)

- 11:15 **BIOSENSORS- IN SICKNESS AND IN HEALTH** Fatima AlZaharaa Alatraktchi
- 11:45 NOVEL MYCOBACTERIAL TOLERANCE INHIBITORS (MTIS) AGAINST MULTIDRUG-RESISTANT TUBERCULOSIS Tahira Riaz, UiO
- 12:00 SARS-COV-2-SPECIFIC NEUTRALIZING ANTIBODY RESPONSES IN NORWEGIAN HEALTHCARE WORKERS AFTER THE FIRST WAVE OF COVID-19 PANDEMIC: A PROSPECTIVE COHORT STUDY Amit Bansal, UiB
- 12:15 THE EFFECT OF HAMLET, A HUMAN MILK PROTEIN COMPLEX, ON BACTERIAL COMMUNITIES Navdeep Kaur Brar

12:30 Concluding remarks

Mike Koomey