Norwegian Consortium for Microbial Genomics Meeting

Norwegian Institute of Public Health, Lovisenberggata 8, Oslo, Norway
December 7, 2023

PROGRAM

10:00 – 10:10	**Opening address:** **Birgitte De Blasio**, Norwegian Institute of Public Health
10:10 – 11:10	**Population genomics/evolution (30 min) – Chair Iren Høyland Löhr** **Jody Phelan,** London School of Hygiene and Tropical Medicine, UK: Genomic analysis of *Mycobacterium tuberculosis* in the big data era **Rebecca Gladstone**, University of Oslo: Disentangling capsule and strain contributions to invasiveness in *E. coli* blood stream infections
11:10 – 11:30	**Coffee Break**
11:30 – 12:45	**Population genomics/evolution (15 min) – Chair Lene C. Olsen** **Arne Taxt**, Norwegian Institute of Public Health: A national outbreak of *Serratia marcescens* in Norway: Genomic epidemiology reveals population structure but no source **Alba Kaci**, Østfold Health Trust: Genomic epidemiology of *Streptococcus dysgalactiae* **Anna Pöntinen**, University of Oslo: Modulation of multi-drug resistant clone success in *Escherichia coli* populations **Ignacio Garcia Llorente,** Norwegian Institute of Public Health: Unsupervised detection of novel SARS-CoV-2 mutations and lineages in wastewater **Morten Kjos**, Norwegian University of Life Sciences: CRISPRi-sequencing of *Staphylococcus aureus*
12:45 - 13:45	**Lunch**
13:45 - 14:15	**Mobile genetic elements (30 min) – Chair Tone Tønjum** **Ignacio Mir Sanchis,** Umeå University, Sweden: Inhibiting phage-encoded homologous recombinases in *Staphylococcus aureus*
14:15 – 15:00	**Metagenomics (30/15 min) – Chair Yngvild Wasteson** **Phil Pope**, Norwegian University of Life Sciences**:** Lessons learnt in microbiome intervention strategies **Ingrid Bakke**, Norwegian University of Sciences and Technology: Microbiomes in recirculating aquaculture systems (RAS): functions and management
15:00 - 15:20	**Coffee Break**
15:20 – 16:20	**Transcriptomics and proteomics (15 min) – Chair Mike Koomey** **Marina Aspholm,** Norwegian University of Life Sciences: Transcriptomics of enterohemorrhagic *E. coli* O157:H7

	Srijana Bastakoti, University of Tromsø: Co-culturing with *Streptococcus anginosus* alters *Staphylococcus aureus* transcriptome when exposed to tonsillar cells **Tahira Riaz,** University of Oslo: Comparative proteomics explain the mechanism of action of mycobacterial tolerance inhibitors. **Stephen Dela Ahator**, University of Tromsø**:** Exploring the mysteries of *S. aureus* infections: unveiling host-pathogen interactions through ATP interactions.
16:20 - 16:30	**Concluding remarks:** **Dominique A. Caugant**, Norwegian Institute of Public Health