

**National Consortium for Microbial Genomics Meeting**  
NCMG Hybrid Network Conference 2021  
*December 9-10, 2021*

Lovisenberg diakonale høgskole, Lovisenberggata 15B, 0456 Oslo

**PROGRAM DAY 1**  
**9<sup>th</sup> December 2021**

13:00	<b>Welcome/Opening address</b> <i>Trygve Ottersen, Norwegian Institute of Public Health</i>
13:05 - 14:35	<b>Session 1 - Chair Arnfinn Sundsfjord</b>
13:05	<i>*Johan Bengtsson-Palme, University of Goteborg, Sweden</i> The role of the environment in development and dissemination of AMR.
13:35	<i>Henrik Hasman, Statens Serum Institutt, Denmark</i> Genomics in outbreak investigation of MDR Gram-negative pathogens.
14:05	<i>Marit Hetland, Stavanger University Hospital</i> Pangenomic analysis of <i>Klebsiella pneumoniae</i> in a One Health perspective.
14:20	<i>Letemichael Negash Welekidan, Norwegian University of Life Sciences</i> Whole-genome sequencing of drug-resistant and drug-susceptible <i>Mycobacterium tuberculosis</i> isolates revealed disputed <i>rpoB</i> , compensatory mutations and nsSNPS on 3R genes.
<b>14:35</b>	<b>Break</b>
14:50 - 16:20	<b>Session 2 - Chair Yngvild Wasteson</b>
14:50	<i>*Rob Willems, Utrecht University Medical Center</i> Antimicrobial resistant <i>Enterococcus faecium</i> colonizing animals and humans with pathogenic potential: evidence for zoonotic transfer.
15:20	<i>Jaelle Brealey, Norwegian University of Science and Technology</i> The oral microbiota of wild bears in Sweden reflects the history of antibiotic use by humans.
15:50	<i>Mari Røken, Norwegian University of Life Sciences</i> Antimicrobial resistance - Do we share more than companionship with our dogs?
16:05	<i>Kenneth Lindstedt, UiT The Arctic University of Norway</i> Metagenomics of AMR - the importance of enrichment.
<b>16.20</b>	<b>End day 1</b>

**PROGRAM DAY 2**  
**10<sup>th</sup> December 2021**

**13:00 - 14:30**      **Session 3 - Chair Tone Tønjum**

- 13:00      *\*Ed Feil, University of Bath, UK*  
Quantifying bacterial evolution in the wild.
- 13:30      *\*Ruth Massey, University of Bristol, UK*  
Use of genomics to decipher bacterial pathogenicity.
- 14:00      *Lin Brandal, Norwegian Institute of Public Health*  
Molecular epidemiology of *Bordetella pertussis* in Norway: 1996-2019:  
allelic variants of vaccine related antigens.
- 14:15      *Kristin Herstad, Norwegian University of Life Sciences*  
Fecal microbiota in dogs with acute hemorrhagic diarrhea during an  
outbreak in Norway.

**14:30**      **Break**

**14:45 - 16:10**      **Session 4 - Chair John Michael Koomey**

- 14:45      *\*Emma Hodcroft, University of Basel, Switzerland*  
Nextstrain and phylogenetics to study COVID.
- 15:15      *Audun Sivertsen, University of Bergen*  
A COVID outbreak in Norway.
- 15:30      *Lena Hansen, University of Bergen*  
Characterisation of a human monoclonal antibody with broad cross-  
reactivity to influenza A N1 neuraminidases.
- 15:45      *Milda Kaniusaite, University of Oslo*  
Discovery of multiple types of DNA methylation signatures in bacteria  
using Nanopore sequencing.

16:00 - 16:10      **Concluding remarks**

**\*Presentation online**