

National Consortium for Microbial Genomics Meeting

NCMG Online: Virtual Network Conference 2021

February 17-18, 2021

PROGRAM DAY 1

17th February 2021

13:00	Welcome/Opening address <i>Dominique Caugant, Norwegian Institute of Public Health</i>
13:10 - 14:45	Virus genomics - Chair Arnfinn Sundsfjord
13:10	The emergence of genomic diversity in SARS-CoV-2 <i>François Balloux, University College London</i>
13:40	Covid-19 - The Texas and US perspective <i>James M. Musser, Houston Methodist Institute</i>
14:10	Surveillance of SARS-CoV-2 viruses in Norway <i>Karoline Bragstad, Norwegian Institute of Public Health</i>
14:30	HPV genotyping by next generation sequencing <i>Gro Kummeneje Presthus, Akershus University Hospital</i>
14:45	Break
14:55 - 16:45	Microbiome and metagenomics – Chair Jan Egil Afset
14:55	Experience from the use of metagenomics NGS in clinical diagnostics <i>Verena Kufner, University of Zurich</i>
15:25	Effects of fecal microbiota transplantation in subjects with irritable bowel syndrome are mirrored by changes in gut microbiome <i>Rasmus Goll, UiT The Arctic University of Norway</i>
15:45	Off-target impact of long-term amoxicillin treatment <i>Fernanda Petersen, University of Oslo</i>
16:00	Shifts in the oral microbiota during a four-week commercial saturation dive to 200 meters <i>Roxane Monnoyer, Norwegian University of Science and Technology</i>
16:15	Cyberlindnera jadinii yeast protein source in a weaner pig diet: the effect on the gut microbiota, short-chain fatty acids, and immune response <i>Stanislav Iakhno, Norwegian University of Life Sciences</i>
16:30	Combining long and short read sequencing to link structure and function in the human gut microbiome <i>Anuradha Ravi, Norwegian University of Science and Technology</i>
16:45	Break
16:55 - 17:30	The role of microbial genomics in precision medicine <i>Fredrik Muller, Oslo University Hospital</i> Discussion

PROGRAM DAY 2

18th February 2021

13:00 – 13:10	Presentation of IBA <i>John Michael Koomey, University of Oslo</i>
13:10 - 14:10	Genomics in One Health - Chair John Michael Koomey
13:10	Global surveillance, epidemiology and ecology of antimicrobial resistance <i>Frank Møller Aarestrup, Technical University of Denmark</i>
13:40	Molecular epidemiology of <i>Vibrio</i> infections in Norway (2014-2018) <i>Ettore Amato, Norwegian Institute of Public Health</i>
13:55	Genetic variation in metronidazole metabolizing proteins in <i>Giardia</i> <i>Kurt Hanevik, University of Bergen</i>
14:10	Break
14:20 - 16:35	Antimicrobial resistance – Chair Tone Tønjum
14:20	Genome sequencing for resistance prediction and transmission analysis of <i>M. tuberculosis</i> complex strains <i>Stefan Niemann, Research Center Borstel Leibniz</i>
14:50	Emergence and dissemination of antimicrobial resistance in <i>Escherichia coli</i> causing bloodstream infections: A nationwide longitudinal microbial population genomic cohort study in Norway between 2002-2017 <i>Rebecca Gladstone, University of Oslo</i>
15:20	Inference of gonococcal population dynamics from 10,000 genomes <i>Vegard Eldholm, Norwegian Institute of Public Health</i>
15:35	Break
15:45	OXA-244 – a troublesome carbapenemase <i>Ørjan Samuelsen, UiT The Arctic University of Norway</i>
16:00	First identification of <i>bla</i>_{NDM-5} producing <i>Escherichia coli</i> from neonates and HIV infected adult in Tanzania <i>Sabrina Moyo, University of Bergen</i>
16:15	Mobile genetic elements involved in antimicrobial resistance in anaerobic bacteria <i>Tore Taksdal Stubhaug, Vestfold Hospital Trust</i>
16:30	Apparent nosocomial adaptation of <i>Enterococcus faecalis</i> predates the modern hospital era <i>Anna Pöntinen, University of Oslo</i>
16:35 - 16:45	Concluding remarks