

Program CANS Day; 27 March at Radisson Blu

TIME	SESSION/ CHAIR	PROGRAM
08:30-08:45		Welcome and introduction to the conference
		Session 1. One Health (Chair: Arnfinn Sundsfjord and Veronika K Pettersen)
08:45-09:30	(AS)	Keynote – The human burden of AMR in a global context by Timothy Walsh
09:30-09:45	(VKP)	Kenneth Lindstedt - Tracking Microbiome and Resistome Dynamics in Untreated and Treated Wastewater
09:45-10:00	(VKP)	Museveni Justine -Home administration of a multistrain probiotic once daily for four weeks to newborn infants in Tanzania (ProRIDE): a double-blind, placebo-controlled, randomised trial
10:00-10:30		BREAK – Coffee & Poster Walk
		Session 2. Big Data, Host Microbe Interactions, and Biodiscovery (Chair: Einar Holsbø, Christian Lentz and Teppo Rämä)
10:30-10:45	Big Data	Espen Åberg - Enhancing Pandemic Preparedness: The Norwegian Pathogen Data Platform
10:45-11:00	(EH)	Jakob Peder Pettersen - Efficient and reproducible bioinformatic pipelines for single-cell bacterial transcriptomics
11:00-11:15	Host-Microbe	Roni Miah - A Programmable, Selection-Free CRISPR Interference System in Staphylococcus aureus
11:15-11:30	(CL)	Gaute Hovde Bø - Metabolomic investigation of the effects of probiotics on the early-life gut microbiome
11:30-11:45	Biodiscovery	Sailesh Maharjan - Metabolomics-driven discovery of new antibacterial compounds: the case of marine-derived Uzbekistanica sp. nov
11:45-12:00	(TR)	Hosea Masaki - From Sea Depths to Drug Discovery: Unveiling Diverse Actinobacterial Strains from Marine Invertebrates for Novel Antimicrobial Screening
		Photo, Jan Fredrik Frantzen
12:00 -13:00		LUNCH
		Session 3. Viruses of Microbes (Chair: Gabriel de Freitas Almeida)
13:00-13:45		Keynote –Bacteriophages in the Fight Against AMR by Silvio Santos
13:45-14:00		Lara Dutra – Understanding Bacteriophage Adherence to Mucus (BAM) model phenotypes in different contexts
14:15-14:30		Juliana M Tatara – Giant Viruses from the Arctic
14:30-15:00		BREAK – Coffee & Poster Walk
		Session 4. New Therapeutics and Antimicrobials (Chair: Christian Lentz and Einar Holsbø)
15:00-15:15	Therapeutics	Ellinor Alseth - Mystique: a broad host range Acinetobacter phage reveals the impact of culturing conditions on phage isolation and infectivity
15:15-15:30	(CL)	Ali Raza - Tannic acid-crosslinked bovine serum albumin amyloid hydrogels with antibacterial and antioxidant properties for wound healing
15:30-15:45	Antimicrobials	Manuel Langer - Tetrasubstituted hydantoin: Novel membranolytic antimicrobials
15:45-16:00	(EH)	Ataur Rahman - Novel synthetic cationic antimicrobial peptides and their potential as antibiofilm agents
16:00-16:10		Summary by CANS leader Arnfinn Sundsfjord
16:10-17:00		Poster session & reception
19:00		DINNER