

SFM days 2024

April 25-26, Stockholm University Svante Arrhenius väg 20A, Vivi Täckholmssalen

Day 1, April 25

12:00 13:00	Arrival, lunch, mounting of posters Welcome	
Session 1 – Molecular mechanisms in microbes		
13:10	Keynote lecture: Klas Flärdh, Lund University	
	Building the wall from one end – Control of polarity and cell shape	
	in Streptomyces	
13:40	Hanna Eriksson, Uppsala University	
	Dynamics of CDI-mediated DNA damage: Kin- and target inhibition by the o11 toxin	
13:55	from E. coli EC869 Sofia Bergman, Uppsala University	
15.55	ProQ affects expression levels of the stress responding sigma factor RpoS	
14:10	Karin Ernits, Lund University	
	Mechanism of phage sensing and abortion by toxin-antitoxin-chaperone systems	
14:25	Andrea Fossati, Karolinska Institute	
	Next-generation proteomics for quantitative Jumbophage-bacteria interaction	
4.4.40	mapping	
14:40	Aswathy Kallazhi, Stockholm University	
	Two Lon proteases contribute to the regulation of motility and antibiotic tolerance in Pseudomonas aeruginosa	
14:55	Athina Eleftheraki, Uppsala University	
14.55	An RNA pseudoknot enables translation and inhibition of a type 1 toxin in Salmonella	
15:10	Coffee break, poster viewing	
Session 2 – Antimicrobials and resistance		
15:40	Keynote lecture: Michaela Wenzel, Chalmers University of Technology	
	Breaking intrinsic antibiotic resistance	
16:10	Justina Zigmantaviciute, Uppsala University	
46.05	BK polyomavirus in kidney transplant recipients and donors	
16:25	Philip A. Karlsson, Uppsala University Polymicrobial biofilm formation on urinary catheters	
16:40	Elin Svedholm, Uppsala University	
10.40	Plasmid copy number increase: a mechanism generating transient antibiotic	
	resistance	
16:55	Short break	
17:00	SFM annual member meeting	
17:45	Poster session	
19:00	Dinner and mingle	

Day 2, April 26

Session 3	 Host-microbe interactions
08:30	Keynote lecture: André Mateus, Umeå University
	Functional proteomics of human gut microbiome species
09:00	Petra Geiser, Uppsala University
	Determinants of the divergent Salmonella and Shigella colonization strategies in
	human intestinal epithelia
09:15	Ana S. Luis, University of Gothenburg
	Microbiota-human mucin interactions: Identification of key enzymes to prevent
	mucus barrier dysfunction
9:30	Petra Muir, Uppsala University
	Identification and characterization of factors contributing to the successful
	colonization of mice by the E. coli strain R12
9:45	Maria Letizia Di Martino, Uppsala University
	The Shigella flexneri invasome revealed by human intestinal epithelial organoid
	infections
10:00	Coffee break
Session 4	- Microbial diversity and evolution
10:30	Keynote lecture: Siv Andersson, Uppsala University
	Evolutionary genomics of honeybee gut bacteria and the Planctomycetota
11:00	Jon Jerlström Hultqvist, Uppsala University
	A unique symbiosome in an anaerobic single-celled eukaryote
11:15	Joel Hallgren, Stockholm University
	Expanding the functional and genomic diversity of Caulobacteraceae
11:30	Zélia Bontemps, Uppsala University
	Genome analysis of the novel Legionellales 'Ca. Pokemonas kadabra' and 'Ca.
	Fiscibacter pecunis' suggests an obligate parasitic relationship with their amoebal
	hosts, the rhizarian Fisciculla
11:45	Stefan Bertilsson, SLU
	Single cell approaches to study microeukaryote-bacterial interactions in aquatic systems
12:00	Announcement of Kurt Nordström Award winners, concluding remarks
12:15	Lunch, afterwards departure