

Friday 19 August

MS24 & AS24 - Freshwater microbial community dynamics and ecosystem functions

Auditorium A

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Byron C. Crump	College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, USA	Global patterns in planktonic river microbiomes
Invited Talk	11:00 - 11:30	Silke Langenheder	Uppsala University, Sweden	Terrestrial impacts on lake bacterial community composition and functioning
Oral Presentation	11:30 - 11:45	Robin Rohwer	DOE Joint Genome Institute, USA	Macro-organismal invasions shift microbial phenology
Poster Pitch	11:45 - 11:47	Poster Pitch Cancelled		
Poster Pitch	11:48 - 11:50	Quincy Faber	University of Florida, USA	Effects of glacial and geothermal stream mixing on microbial communities in the Mount St. Helens crater (Washington, USA)
Poster Pitch	11:50 - 11:52	Shanquan WANG	Sun Yat-Sen University, China	Unique microbial community assembly in sewage-polluted urban rivers in populated Asian countries
Poster Pitch	11:52 - 11:54	Manan Shah	Department of Biodiversity, University of Duisburg Essen, Germany, Group for Aquatic Microbial Ecology, University of Duisburg Essen, Germany	Metagenome assembled genomes from European freshwaters may provide insight into driving forces for genome reductions
Poster Pitch	11:55 - 11:57	Fernando Puente-Sánchez	Swedish University of Agricultural Sciences, Sweden	Spatial and temporal dynamics of core and accessory genomes in freshwater species
Poster Pitch	11:58 - 12:00	Patricia Tran	University of Wisconsin-Madison, USA	Paired genomics of viral and bacterial communities shed light on interactions and biogeochemical cycling in anoxic lakes
Oral Presentation	12:00 - 12:15	Deborah Knapp	Department of Plant and Microbial Biology, Limnological Station Kilchberg, Switzerland	The red harmful plague in times of climate change: <i>Planktothrix rubescens</i> blooms triggered by stratification dynamics and irradiance
Oral Presentation	12:15 - 12:30	Yusuke Okazaki	Kyoto University, Japan	Long-read-resolved, ecosystem-wide exploration of nucleotide and structural microdiversity of lake bacterioplankton genomes
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Michaela Salcher	Institute of Hydrobiology, Biology Centre CAS, Czech Republic	Tackling the “uncultivated microbial majority” of freshwater lakes by high-throughput isolation
Invited Talk	14:30 - 15:00	David A. Walsh	Concordia University, Canada	Introducing LakePulse: a continental-scale metagenomic study of genome-resolved bacterial communities from hundreds of Canadian lakes
Oral Presentation	15:00 - 15:15	Kasia Piwosz	National Marine Fisheries Research Institute, Poland	Photoheterotrophy by aerobic anoxygenic bacteria modulates carbon fluxes in a freshwater lake
Oral Presentation	15:15 - 15:30	Alexander Eiler	University of Oslo, Department of Biosciences, Norway	Multiple functional and taxonomic trajectories in freshwaters upon glacial retreat
Oral Presentation	15:30 - 15:45	Kathrin B.L. Baumann	EAWAG, Switzerland	Nitrogen gene expression and environmental drivers in lake sediments – a swiss lake survey
Oral Presentation	15:45 - 16:00	Minglei Ren	Nanjing Institute of Geography and Limnology Chinese Academy of Sciences, China	Quantifying the associations between dissolved organic matter and microbes under global change

Friday 19 August

MS25 & AS25 - Microbial ecology of antimicrobial resistance

Auditorium B

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Amy Pruden	Virginia Tech, USA	Pathways and barriers to the flow of antibiotic resistance genes in the environment
Invited Talk	11:00 - 11:30	Barth F. Smets	Technical University of Denmark	Dynamics of Antimicrobial Resistance in the Urban Water Cycle: a Polyphasic pan-European Investigation (DARWIN)
Oral Presentation	11:30 - 11:45	Johan Bengtsson-Palme	University of Gothenburg, Sweden	Towards standardized global monitoring of antibiotic resistance in the environment
Poster Pitch	11:45 - 11:47	Pauline Brepoels	KU Leuven, Belgium	Mutational interactions and antibiotic exposure patterns are important when designing antibiotic cycling strategies
Poster Pitch	11:48 - 11:50	Jonas Coelho Kasmanas	University of São Paulo, Brazil, Helmholtz Centre for Environmental Research, Germany	Human feces resistomes from 274 individuals with different diets indicate meat consumption enrich prevalence of several antimicrobial resistance types
Poster Pitch	11:50 - 11:52	Lucas Meirelles	California Institute of Technology, USA	Redox-active metabolites as modulators of antibiotic resilience: an ecophysiological perspective
Poster Pitch	11:52 - 11:54	Anaëlle Fait	University of Copenhagen, Denmark	Prior vancomycin adaptation promotes the development of vancomycin-intermediate Staphylococcus aureus
Poster Pitch	11:55 - 11:57	Manuel Ares Arroyo	Institut Pasteur, Université de Paris Cité, CNRS UMR3525, Microbial Evolutionary Genomics, Paris, France	E pur si muove! In trans conjugation as a major player in the spread of antimicrobial resistance
Poster Pitch	11:58 - 12:00	Zhigang Yu	Australian Centre for Water and Environmental Biotechnology (ACWEB, formerly AWMC), Australia	Artificial sweeteners boost conjugative plasmid permissiveness among the gut microbiome
Oral Presentation	12:00 - 12:15	Eddie Cytryn	Volcani Institute, Israel	Antimicrobial resistance along anthropogenic-environmental interfaces: between ecological barriers and unseen risks
Oral Presentation	12:15 - 12:30	Claire Gibson	McGill University, Canada	Revealing the complex dynamics of antimicrobial resistance gene immigration from sewers to activated sludge
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Fiona Walsh	Maynooth University, Ireland	Mobile antimicrobial resistance across animals and the environment
Invited Talk	14:30 - 15:00	Kornelia Smalla	JKI Braunschweig, Germany	The transferable resistome of plants
Oral Presentation	15:00 - 15:15	Hira Khan	Ghent University, Belgium	Dissemination of mcr-1 and blaNDM-1 from drinking water supply system to mouse gut & their environmental adaptability mechanism by DNA PT modification
Oral Presentation	15:15 - 15:30	Tom Belpaire	KU Leuven, Belgium	Competition quenching strategies reduce antibiotic tolerance in polymicrobial biofilms
Oral Presentation	15:30 - 15:45	Yinyin Ma	ETH Zürich, Switzerland	Metabolic interactions determine the spread of plasmid-encoded antibiotic resistance during microbial range expansion
Oral Presentation	15:45 - 16:00	Masaki Shintani	Shizuoka University, Japan	Hitherto-unnoticed self-transmissible plasmids widely distributed among different environments

Friday 19 August

MS26 & AS26 - Extreme environments: evolutionary paths towards ecological success of microbial life

Auditorium C

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Josefa Anton	Department of Physiology, Genetics and Microbiology, University of Alicante, Spain	Tracking virus-host interactions in hypersaline environments: linking viral genotypes to specific host strains
Invited Talk	11:00 - 11:30	Tom Battin	EPFL, Switzerland	Unravelling the microbiome of glacier-fed streams — an extreme ecosystem now becoming less extreme owing to climate change
Oral Presentation	11:30 - 11:45	Attila Szabo	CER Institute of Aquatic Sciences, Hungary, Swedish University of Agricultural Sciences, Sweden	A matter of salt: the effect of salinity and water ionic composition on bacterial community structure based on global data
Poster Pitch	11:45 - 11:47	Poster Pitch Cancelled		
Poster Pitch	11:48 - 11:50	Petra Hribovšek	Department of Earth Science and Centre for Deep Sea Research, University of Bergen, Norway	Sheath-forming Zetaproteobacteria abundant in black smoker chimney mats at the newly discovered Fåvne hydrothermal vent
Poster Pitch	11:50 - 11:52	Elisse Magnuson	McGill University, Canada	Active lithoautotrophic and methane-oxidizing microbial community in an anoxic, sub-zero, and hypersaline High Arctic spring
Poster Pitch	11:52 - 11:54	Adriana Rego	Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), University of Porto, Matosinhos, Portugal / Institute of Biomedical Sciences Abel Salazar (ICBAS), University of Porto, Portugal	Secondary metabolite biosynthetic diversity in Arctic Ocean metagenomes
Poster Pitch	11:55 - 11:57	Poster Pitch Cancelled		
Poster Pitch	11:58 - 12:00	Francesca Vulcano	Department of Biological Sciences, University of Bergen, Norway	“Site-Specific” and “cosmopolitan” ANME-1 thrive in Arctic hydrothermal vents
Oral Presentation	12:00 - 12:15	Anne Daebeler	Biology Centre CAS, Czech Republic	Rapid nitrification driven by comammox and canonical Nitrospira in extremely alkaline lake sediments
Oral Presentation	12:15 - 12:30	Magdalena J Mayr	California Institute of Technology, USA	Activity of microbial communities in and on the carbonate rocks of deep-sea methane seeps
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Beatriz Diez	Pontificia Universidad Católica de Chile, Chile	Taxonomic, functional and environmental interactions in hot springs microbial mats
Invited Talk	14:30 - 15:00	Lyle Whyte	McGill University, Canada	Cryomicrobiology: life in the extreme cold and salt!!
Oral Presentation	15:00 - 15:15	Naama Lang-Yona	Technion Israel Institute of Technology, Israel	Terrestrial and marine Influence on atmospheric bacterial diversity over the North Atlantic and Pacific Oceans
Oral Presentation	15:15 - 15:30	Katharina Sass	University of Bergen, Norway	Insights into the chitinolytic potential of microbial communities in Arctic deep-sea hydrothermal sediments
Oral Presentation	15:30 - 15:45	Yunha Hwang	Harvard University, USA	Abiotic and biotic influences on the generation and maintenance of genetic diversity across hydrothermal microbial mats
Oral Presentation	15:45 - 16:00	Tomeu Viver	Max-Planck Institute for Marine Microbiology in Bremen, Germany / Mediterranean Institute for Advanced Studies (IMEDEA-UIB-CSIC), Spain	Combining metagenomics with high-throughput isolate sequencing to define "strain" and quantify diversity within a natural <i>Salinibacter</i> population

Friday 19 August

MS27 & AS27 - Warfare and cooperation in fungal interactions with other biota

Room 1ABC

10:30 - 12:30



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 10:45	Lukas Y. Wick	Helmholtz Centre for Environmental Research - UFZ, Germany	Effects of hypha on bacterial dispersal and phage co-transport with hyphal-riding bacteria
Invited Talk	10:45 - 11:00	Markus Künzler	ETH Zürich, Switzerland	Bidirectional propagation of signals and nutrients in fungal networks via specialized hyphae
Oral Presentation	11:00 - 11:15	Luzia Stalder	University of Neuchâtel, Switzerland, ETH Zurich, Switzerland	Cross-kingdom antagonists and synergists driving fungal infections in wheat fields
Oral Presentation	11:15 - 11:30	Rachel Hestrin	University of Massachusetts-Amherst, USA	Plant-associated fungi support bacterial resilience to soil moisture limitation
Oral Presentation	11:30 - 11:45	Suzanne Schmidt	University of Copenhagen, Denmark	The termite fungal cultivar Termitomyces produces a consistent set of secondary metabolites that may harbour novel biochemistry aiding in nest defence
Oral Presentation	11:45 - 12:00	Hannah Jeckel	Philipps-University Marburg, Germany, Biozentrum Basel, Switzerland	Emergent functions of interkingdom assemblages in human saliva promote disease-causing biofilms
Invited Talk	12:00 - 12:15	Elizabeth Ballou	University of Exeter MRC Centre for Medical Mycology, UK	A bacterial endosymbiont of the fungus Rhizopus microsporus drives phagocyte evasion and opportunistic virulence
Invited Talk	12:15 - 12:30	Teresa E. Pawlowska	Cornell University, USA	Are fungal interactions with antagonistic bacteria governed by the universal principles of innate immunity?
Lunch Break	12:30 - 14:00			

Friday 19 August
 AS16.2 - Soil microbial ecology
 Room 1ABC
 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Rachel Mackelprang	California State University Northridge, USA	Permafrost microbial communities and functional traits are structured by paleovegetation, latitude, and soil geochemical gradients
Invited Talk	14:30 - 15:00	Olubukola O. Babalola	North-West University, South Africa	An overview of the metabolic potential and microbial diversity of maize and soybean rhizospheres
Oral Presentation	15:00 - 15:15	Jowenna Sim	University of South Australia, Australia	Impact of 20 pesticides on soil carbon and nitrogen cycles related microbial functions and community composition
Oral Presentation	15:15 - 15:30	Karen Viacava	EPFL, Switzerland, University of Bern, Switzerland	Meta-omics-aided isolation of an elusive anaerobic arsenic-methylating soil bacterium
Oral Presentation	15:30 - 15:45	Haitao Wang	University of Greifswald, Germany	The impact of drought on peat soil microbiome structure and function -- A multi-proxy-comparison
Oral Presentation	15:45 - 16:00	Valentin Waschulin	University of Warwick, United Kingdom	Accessing the biosynthetic potential of uncultured Antarctic soil bacteria with long-read metagenomic sequencing and direct pathway cloning

Friday 19 August

MS28 & AS28 - Microscale and biophysical interactions in microbial ecosystems

Room 2ABC

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	David R Johnson	Eawag, Switzerland	Consequences of small-scale hydrodynamics on microbial spatial self-organization and the spread of plasmid-encoded antibiotic resistance
Invited Talk	11:00 - 11:30	Nadav Kashtan	The Hebrew University of Jerusalem, Israel	Life in a droplet
Oral Presentation	11:30 - 11:45	Glen D'souza	ETH-Zurich and Eawag, Switzerland	Nutrient complexity regulates collective behaviours and organic matter degradation in marine bacterial populations
Poster Pitch	11:45 - 11:47	Stian Torset	Max Planck Institute of Marine Microbiology, Germany / Alfred-Wegener-Institute Helmholtz Centre for Marine- and Polar Research, Germany	Investigating the formation of biogenic amorphous carbon in alkane metabolising archaea
Poster Pitch	11:48 - 11:50	Solange E. Astorga	Singapore Centre for Environmental Life Sciences Engineering, Nanyang Technological University, Singapore	A modified electron transport chain is induced by high hydrostatic pressure in <i>Shewanella oneidensis</i>
Poster Pitch	11:50 - 11:52	Poster Pitch Cancelled		
Poster Pitch	11:52 - 11:54	Ksenia Guseva	Centre for Microbiology and Environmental Systems Science, University of Vienna, Vienna, Austria	Theoretical model of self-organization of enzyme-producing microbes jointly degrading complex biopolymers
Poster Pitch	11:55 - 11:57	Abolghasem Hedayatkhan	Curtin Medical School, Curtin University, Western Australia, Australia, The Institute for Geoscience Research, School of Earth and Planetary Sciences, Curtin University, Western Australia, Australia	Exploring the attachment and biofilm formation of <i>Klebsiella aerogenes</i> , a phosphate solubilising microorganism, on the surface of monazite and xenotime
Poster Pitch	11:58 - 12:00	Helen Kurkjian	Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	Genetic differentiation on modular fragmented landscapes

	Time	Presenting Author	Affiliation	Title
Oral Presentation	12:00 - 12:15	Oliver Meacock	University of Lausanne, Switzerland, University of Oxford, United Kingdom, University of Sheffield, United Kingdom	Send in the cavalry! Motility as a strategy for enhancing microbial close-range combat
Oral Presentation	12:15 - 12:30	Itzhak Mizrahi	Ben-Gurion University of the Negev, Israel	Nanoscale resolution of microbial fiber degradation in action
Lunch Break	12:30 - 14:00			
Invited Talk	14:00 - 14:30	Julia Schwartzman	Massachusetts Institute of Technology, USA	Bacterial growth in multicellular aggregates leads to the emergence of complex lifecycles
Invited Talk	14:30 - 15:00	Jonasz Slomka	ETH Zurich, Switzerland	How BioEncounters at the microscale prime microbial interactions in the ocean
Oral Presentation	15:00 - 15:15	Jean-Baptiste Raina	University of Technology Sydney, Climate Change Cluster, Faculty of Science, Ultimo, NSW, Australia	Chemotaxis enhances reciprocal metabolic exchange between ubiquitous picophytoplankton and heterotrophic bacteria
Oral Presentation	15:15 - 15:30	david scheidweiler	University of Lausanne, Switzerland	Quorum sensing and chemotaxis promote bacterial biomass accumulation in dead-end pores
Oral Presentation	15:30 - 15:45	Oral Presentation Cancelled		
Oral Presentation	15:45 - 16:00	Marko Chavez	University of Southern California, USA	Electronic characterization of long-distance electron transport in freshwater cable bacteria

Friday 19 August

MS29 & AS29 - Microbes in a changing world: resilience, responsiveness and resources

Room 3ABC

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Ashish Malik	University of Aberdeen, United Kingdom	Trait-based microbial scaling from individuals to the ecosystem during decomposition under drought
Invited Talk	11:00 - 11:30	Jennifer Pett-Ridge	Lawrence Livermore National Laboratory, USA	Microbes persist: how soil moisture regimes shape the ecophysiology and ecology of wild soil microbiomes
Oral Presentation	11:30 - 11:45	Kristen DeAngelis	UMass Amherst, USA	Soil bacteria adapt to a warming world
Poster Pitch	11:45 - 11:47	Holly Andrews	University of Arizona, USA	Palm rhizospheres maintain soil nitrous oxide production via biotic pathways as abiotic pathways emerge in understory soils in a tropical rainforest
Poster Pitch	11:48 - 11:50	Qichang Bei	Department of Soil Ecology, Helmholtz Centre for Environmental Research-UFZ, Halle, Germany	Metagenomic characterization of soil Thaumarchaeota under long-term climate and land-use change
Poster Pitch	11:50 - 11:52	Poster Pitch Cancelled		
Poster Pitch	11:52 - 11:54	Neem Patel	University of California, Berkeley, USA	Prescribed fires alter soil microbial community structure and selects for pyrophilous taxa in a northern California mixed conifer forest
Poster Pitch	11:55 - 11:57	Amelia R Nelson	Colorado State University, USA	Tracking the recovery of the post-fire soil microbiome over a multidecadal timescale
Poster Pitch	11:58 - 12:00	Maria Scheel	Aarhus University, Denmark	Erosion of ancient Arctic permafrost: transcriptomics reveal microbiome dynamics
Oral Presentation	12:00 - 12:15	Ruud Rijkers	Vrije Universiteit Amsterdam, Netherlands	Predicting temperature sensitivity of soil bacterial communities in the Arctic
Oral Presentation	12:15 - 12:30	Linnea K. Honeker	University of Arizona, USA	Drought induces soil emissions of microbially-produced volatile organic compounds in an artificial tropical rainforest
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Franciska de Vries	University of Amsterdam, Netherlands	Extreme climatic events induce consistent shifts in soil microbial communities and their functioning
Invited Talk	14:30 - 15:00	Jizhong Zhou & Yungfeng Yang	School of Environment, Tsinghua University, China	Microbial functional traits explain soil carbon fluxes in a Tibetan alpine grassland
Oral Presentation	15:00 - 15:15	Stephanie Jurburg	Helmholtz Centre for Environmental Research (UFZ), Germany	Above and belowground diversity modulate the response of soil biota to drought
Oral Presentation	15:15 - 15:30	Dennis Metze	University of Vienna, Centre for Microbiology and Environmental Systems Science, Vienna, Austria / University of Vienna, Doctoral School in Microbiology and Environmental Science, Vienna, Austria	Drought and future climate conditions alter active members of soil bacterial communities
Oral Presentation	15:30 - 15:45	LeAundra Schöpflin	Microbiome Network and Department of Agricultural Biology, Colorado State University, USA	The functional potential of the dryland soil microbiome shifts abruptly with increasing aridity
Oral Presentation	15:45 - 16:00	Pilar Junier	Microbial biology, University of Neuchatel, Switzerland	Absence of a universal marker for the detection of resistant cells in bacteria

Friday 19 August

MS30 & AS30 - Microbial chemical interactions and communication

Room 4ABC

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Katherine Duncan	University of Strathclyde, Glasgow, United Kingdom	Assessing the chemical language of actinomycete interactions
Invited Talk	11:00 - 11:30	Paolina Garbeva	NIOO-KNAW, the Netherlands	Swift and smelly: the role of volatile compounds in microbial interactions
Oral Presentation	11:30 - 11:45	Pascal Arnoux	CEA, France	Nicotianamine-like metallophores: a fight for metals across evolution
Poster Pitch	11:45 - 11:47	Guillaume Balleux	Gembloux Agro Bio-Tech, Belgium	Bacillus stimulates the production of antimicrobial secondary metabolites upon perception of Pseudomonas secondary siderophores
Poster Pitch	11:48 - 11:50	Caja Dinesen	Technical University of Denmark, Denmark	Coupling of secondary metabolite production in Bacillus subtilis
Poster Pitch	11:50 - 11:52	Yael Kadosh	Avram and Stella Goldstein-Goren Department of Biotechnology Engineering, Ben Gurion University of the Negev, Israel	Anti quorum sensing, anti virulence and NF-κB Inhibitory activities of PL-18, a derivative of Piperlongumine from Piper longum
Poster Pitch	11:52 - 11:54	Laura Branscombe	Marine Biological Association of the United Kingdom / University of Plymouth, United Kingdom	Friend or foe? Deciphering the metabolic triggers of facultative algicidal bacterium Ponticoccus alexandrii
Poster Pitch	11:55 - 11:57	Alex J. Mullins	Cardiff University, Wales, United Kingdom	The diversity and function of polyene specialised metabolites in biological control
Poster Pitch	11:58 - 12:00	Tamami Ito	University of Tsukuba, Japan	Membrane vesicle formation is triggered by cell death via quorum sensing in Streptococcus mutans
Oral Presentation	12:00 - 12:15	Tomas Hessler	University of California Berkeley, USA	Network-directed assembly of synthetic microbial communities enables the study of vitamin-exchange interactions
Oral Presentation	12:15 - 12:30	Jorge Peña-Díaz	University of British Columbia, Canada	Is there anybody out there? The quorum sensing regulator SdiA controls infection dynamics and metabolism of C. rodentium
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Choong-Min Ryu	Molecular Phytobacteriology Laboratory, Infectious Disease Research Center, KRIBB, South Korea / Biosystems and Bioengineering Program, University of Science and Technology, South Korea	Microbe-induced plant volatiles
Invited Talk	14:30 - 15:00	Laure Weiskopf	University of Fribourg, Switzerland	Microbe-microbe communication in the plant microbiota and its impact on plant health
Oral Presentation	15:00 - 15:15	Eun Sun Lyou	University of Yonsei, South Korea	Interactive phenotyping of single cells determines the type of bacterial-fungal interactions
Oral Presentation	15:15 - 15:30	Ingrid Richter	Leibniz-HKI Jena, Germany	Toxin-producing endosymbionts protect soil fungi from micropredators
Oral Presentation	15:30 - 15:45	Marcio C. Silva-Filho	Departamento de Genética, ESALQ, Universidade de São Paulo, Brazil	Deciphering the molecular mechanisms involved with plant-insect-fungal interactions
Oral Presentation	15:45 - 16:00	Serina L. Robinson	Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	Discovery of complex ribosomally synthesized and post-translationally modified peptides from uncultivated marine bacteria

Friday 19 August

MS31 & AS31 - Microbiomes and us: integrative research across the globe

Room 5ABC

10:30 - 12:30 & 14:00 - 16:00



	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Maria Gloria Dominguez Bello	Rutgers University, United States	Microbiome and urbanization
Invited Talk	11:00 - 11:30	Filipa Godoy-Vitorino	University of Puerto Rico, USA	Microbiome and women's health: how the vaginal microbiota from Hispanics may explain cervical disease progression
Oral Presentation	11:30 - 11:45	Alena Pribyl	Microba Life Sciences, Australia	Identifying microbial biomarkers of inflammatory bowel disease using precision microbiome analysis
Poster Pitch	11:45 - 11:47	Tomas Vetrovsky	Institute of Microbiology of the Czech Academy of Sciences, Czech Republic	GlobalFungi, the world's most comprehensive database of fungal occurrences from high-throughput-sequencing data
Poster Pitch	11:48 - 11:50	Poster Pitch Cancelled		
Poster Pitch	11:50 - 11:52	Bin Liu	KU Leuven, Department of Microbiology, Immunology and Transplantation, Rega Institute for Medical Research, Leuven, Belgium	Impact of mucus beads on the growth dynamics of Bacteroides thetaiotaomicron
Poster Pitch	11:52 - 11:54	Pamela Ferretti	EMBL, Germany	C. difficile is overdiagnosed in adults and a commensal in infants
Poster Pitch	11:55 - 11:57	Polina Novikova	Luxembourg Centre for Systems Biomedicine, University of Luxembourg, Luxembourg	Population-resolved function within the human microbiome
Poster Pitch	11:58 - 12:00	Ibrahim Zuniga Chaves	Department of Bacteriology, University of Wisconsin Madison, USA, Microbiology Doctoral Training Program, University of Wisconsin-Madison, USA	Factoring socioeconomic status into human gut microbiome composition: relating health, diet, and food insecurity to microbial diversity
Oral Presentation	12:00 - 12:15	Jonas Schluter	NYU Langone Health, USA	The TaxUMAP atlas: a new technique to display large microbiome data sets reveals ecological competition that protects against bacteremia in patients
Oral Presentation	12:15 - 12:30	Christine Tataru	Oregon State University, USA	Multi-omic, behavioral, and molecular studies implicate fatty acids in autism spectrum disorder

	Time	Presenting Author	Affiliation	Title
Lunch Break	12:30 - 14:00			
Invited Talk	14:00 - 14:30	Pascale Vonaesch	University of Lausanne, Switzerland	The pro- and eukaryotic microbiota in childhood undernutrition
Invited Talk	14:30 - 15:00	Ovokeraye H. Oduaran	The Sydney Brenner Institute for Molecular Bioscience, University of the Witwatersrand, South Africa	Bridging the gap in global representation in human microbiome research and equitable collaborative partnerships
Oral Presentation	15:00 - 15:15	Matti Ruuskanen	University of Turku, Finland	Composition of gut microbiome predicts incident type 2 diabetes in a population-based cohort of Finnish adults
Oral Presentation	15:15 - 15:30	Jacopo Iacovacci	Prostate Cancer Program, Fondazione RICCS Istituto Nazionale Tumori, Italy	Gut microbiota composition is associated to radiotherapy-induced gastrointestinal side effects in prostate cancer patients
Oral Presentation	15:30 - 15:45	Petr Kohout	Laboratory of Environmental Microbiology, Institute of Microbiology of the Czech Academy of Sciences, Prague, Czech Republic	The global fungal biodiversity, biogeography and ecology viewed through the high-throughput sequencing results
Oral Presentation	15:45 - 16:00	Iva Veseli	University of Chicago, USA	Solving the chicken and egg problem of microbial ecology in IBD: an association between metabolic competence and microbial survival