

Tuesday 16 August
MS03.2 Plant microbial ecology
Auditorium A
10:00 - 12:00

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Alexandra Stoll	Centro de Estudios Avanzados en Zonas Aridas CEAZA, Chile	Survival at the dry limit: fog-dependent rootless <i>Tillandsia landbeckii</i> and its associated microbiome from the Atacama Desert
Invited Talk	11:00 - 11:30	Ashley Shade	Department of Microbiology and Molecular Genetics, USA, Department of Plant, Soil and Microbial Sciences, USA, Plant Resilience Institute, USA, Great Lakes Bioenergy Research Center, USA	Life on the leaf: Plant-responsive, seasonal activities of the phyllosphere microbiome
Oral Presentation	11:30 - 11:45	Sanne Poppeliers	Utrecht University, Netherlands	Digging deep into <i>Arabidopsis thaliana</i> roots: quantifying the rhizosphere effect along a soil-to-root gradient
Oral Presentation	11:45 - 12:00	Yang Liu	University of British Columbia, Canada	Amino acid availability determines plant immune homeostasis in the rhizosphere microbiome
Oral Presentation	12:00 - 12:15	Oral Presentation Cancelled		
Oral Presentation	12:15 - 12:30	Kriti Sharma	California Institute of Technology (Caltech), USA	Finding friends at sea: microbial activity and nitrogen fixation in the rhizosphere of coastal marine seagrass (<i>Zostera marina</i>)

Tuesday 16 August

AS01.2 - Marine microbial ecology

Auditorium A

14:00 - 16:00

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Justin Seymour	University of Technology Sydney, Australia	The role of behaviour in governing inter-microbial relationships in the pelagic ocean
Invited Talk	14:30 - 15:00	Daniel Sher	University of Haifa, Israel	Mortality – and survival through microbial interactions - in abundant marine cyanobacteria
Oral Presentation	15:00 - 15:15	Johan Wikner	Umeå University, Sweden	Maintenance activities are a prime cause of prokaryotic respiration in the sea
Oral Presentation	15:15 - 15:30	Yi-Chun Yeh	University of Southern California, USA	Effects of phytoplankton, viral communities and El Niño warming on free-living and particle-associated marine prokaryotic community structure
Oral Presentation	15:30 - 15:45	Susumu Yoshizawa	The University of Tokyo, Japan	Proton pumping rhodopsins as a potential facilitator for carbon fixation in marine diatoms
Oral Presentation	15:45 - 16:00	Maggie Sogin	University of California at Merced, USA	Sugars dominate the seagrass rhizosphere

Tuesday 16 August

MS09 & AS09 - Evolution of microbial communities

Auditorium B

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Teppo Hiltunen	University of Turku, Finland	Role of evolution on ecological resilience against antibiotic disturbance
Invited Talk	11:00 - 11:30	Marjon GJ de Vos	University of Groningen, Netherlands	Eco-evolutionary interactions in polymicrobial infections
Oral Presentation	11:30 - 11:45	Kyle Matthew Meyer	University of California - Berkeley, USA	Transmission mode impacts plant microbiome formation and host specialization
Oral Presentation	11:45 - 12:00	José Flores-Uribe	Max Planck Institute for Plant Breeding Research, Germany	Experimental evolution of synthetic phototrophic communities
Oral Presentation	12:00 - 12:15	Meike Wortel	University of Amsterdam, the Netherlands	Evolutionary events in the gut microbiome during the first year of life
Oral Presentation	12:15 - 12:30	Naima Madi	Université de Montréal, Québec Canada	Does diversity beget diversity in microbiomes?
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Invited Talk Cancelled		
Invited Talk	14:30 - 15:00	Manuel Blouin	Agroécologie, Institut Agro, INRAE, Univ. Bourgogne, Univ. Bourgogne Franche-Comté, France	Can microbial communities be considered as units of selection?
Oral Presentation	15:00 - 15:15	Björn Vessman	University of Lausanne, Switzerland	New method for artificial selection of microbial communities improves community function in simulations
Poster Pitch and Poster	15:15 - 15:17	Misshelle Bustamante	University of Groningen, Netherlands	Eco-evolutionary interactions and the spread of antimicrobial resistance in pathogenic microbial communities
Poster Pitch and Poster	15:18 - 15:20	Omer Lavy	Ben Gurion University, Israel	Understanding bacterial community assembly
Poster Pitch and Poster	15:20 - 15:22	Poster Pitch Cancelled		
Poster Pitch and Poster	15:22 - 15:24	Noelle Held	ETH Zurich, Switzerland	Do microbes evolve towards nutrient colimitation?
Poster Pitch and Poster	15:25 - 15:27	Thi Nhu An Nguyen	School of Biological Sciences, Monash University, Australia	Horizontal gene transfer, recombination and epistatic interactions in microbial populations

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:28 - 15:30	Poster Pitch Cancelled		
Oral Presentation	15:30 - 15:45	Berenike Meier	University of Cologne, Germany	Distribution of fitness effects of cross-species transformation reveals potential for fast adaptive evolution
Oral Presentation	15:45 - 16:00	James McKinlay	Indiana University, USA	Emergent recipient-driven cross-feeding in a synthetic bacterial community

Tuesday 16 August

MS10 & AS10 - Computational and experimental approaches in microbial ecology - from bulk community to single-cell approaches

Auditorium C

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Shinichi Sunagawa	ETH Zurich, Switzerland	Global ocean microbiomics reveals previously unknown taxa, unexpected biosynthetic chemistry and diverse patterns of microbial population structure
Invited Talk	11:00 - 11:30	Alma Dal Co	University of Lausanne	Spatial interaction networks in microbial communities
Oral Presentation	11:30 - 11:45	Emmanuelle Botté	University of New South Wales, Australia	Beyond "omics", the Symbio-chip: a new microfluidic device to isolate and grow "dark matter microbes" associated with marine sponges
Poster Pitch	11:45 - 11:47	Léa Bernier	Imperial College London, United Kingdom	Bacteria-on-a-Chip: Deciphering the responsiveness of bacteria using microfluidic chemostats
Poster Pitch	11:48 - 11:50	Alex Chklovski	Queensland University of Technology, Australia	CheckM2: A rapid, scalable, and accurate tool for assessing microbial genome quality using machine learning
Poster Pitch	11:50 - 11:52	Valentine Cyriaque	University of Copenhagen, Section of Microbiology, Denmark, University of Mons, Section of Proteomics and Microbiology, Belgium	Microbial single-cell RNA sequencing to decipher plasmid managerial capabilities of bacterial populations
Poster Pitch	11:52 - 11:54	Rory Flynn	Colorado State University, USA	Distillation and refinement of annotations of metabolism enables rapid understanding of microbial functional potential
Poster Pitch	11:55 - 11:57	Poster Pitch Cancelled		
Poster Pitch	11:58 - 12:00	Benoit J. Pons	ESI, Biosciences, University of Exeter, TR10 9FE Penryn, United Kingdom	Single-cell determination of CRISPR-Cas immunity cost and efficiency
Oral Presentation	12:00 - 12:15	Mária Džunková	University of Valencia, Spain, DOE Joint Genome Institute, Lawrence Berkeley National Laboratory, USA	Discovering functional biosynthetic gene clusters in symbiotic bacteria of marine animals by targeted single-cell genomics
Oral Presentation	12:15 - 12:30	Samuel Miller	University of Chicago, USA	Integrated high-throughput tRNA sequencing and metagenomics reveal the translational dynamics of the human gut microbiome
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Haruko Takeyama	Waseda University , Japan	Single cell-based multi-omics for understanding the function of environmental microbes
Invited Talk	14:30 - 15:00	Steven Hallam	University of British Columbia, Canada	Simulacra and simulation within microbial cell systems
Oral Presentation	15:00 - 15:15	Ryo Miyazaki	National Institute of Advanced Industrial Science and Technology (AIST), Japan	Diversification of cellular growth dynamics during starvation influences subsequent reproductivity of progenies
Poster Pitch and Poster	15:15 - 15:17	Hamid Rasoulimehrabani	University of Vienna, Department of Microbiology and Ecosystem Science, Austria	Evaluating the effect of candidate prebiotics in the human gut microbiota by activity-based cell sorting and targeted isolation
Poster Pitch and Poster	15:18 - 15:20	Poster Pitch Cancelled		
Poster Pitch and Poster	15:20 - 15:22	Melanie Stäubli	ETH Zurich, Switzerland	Towards taxon-specific growth prediction in microbial communities by metatranscriptomics
Poster Pitch and Poster	15:22 - 15:24	Daniel Utter	California Institute of Technology, USA	Genomic and functional diversity of a methanotrophic archaeal/bacterial symbiosis revealed at the strain level by single aggregate sequencing
Poster Pitch and Poster	15:25 - 15:27	Ryota Wagatsuma	Grad. Sch. Adv. Sci. Eng., Waseda Univ,CBBD-OIL, AIST-Waseda University, Japan	Single-viral genomics to reveal phage microdiversity in river water
Poster Pitch and Poster	15:28 - 15:30	David Wylensek	RWTH Aachen, Germany	Automated isolation and characterization of anaerobic bacteria
Oral Presentation	15:30 - 15:45	Caitlin Singleton	Aalborg University, Denmark	Seeing the community for the genomes: Using HQ MAGs to help uncover the ecophysiology of key functional groups in complex communities
Oral Presentation	15:45 - 16:00	Chiara Vanni	University of Bremen, MARUM, Germany	AGNOSTOS: a resource to uncover the hidden potential of microbial genes of unknown function

Tuesday 16 August

MS11 & AS11 - Metabolic interactions in microbiomes

Room 1ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Sarela Garcia-Santamarina	ITQB Nova, Portugal	Common therapeutics induce emergent behaviours in synthetic gut bacterial communities
Invited Talk	11:00 - 11:30	Christian Kost	Department of Ecology, Osnabrück University, Osnabrück, Germany	Obligate metabolic interactions are common in natural microbial communities
Oral Presentation	11:30 - 11:45	Chandana Gopalakrishnappa	University of Illinois at Urbana-Champaign, USA	High-dimensional characterization of phototroph-heterotroph interactions
Oral Presentation	11:45 - 12:00	Libusha Kelly	Albert Einstein College of Medicine, USA	Hydrogen sulfide drives cryptic redox chemistry in the gut
Oral Presentation	12:00 - 12:15	Mara Lucchetti	University of Luxembourg, Luxembourg	Emulating the gut-liver axis: Dissecting the microbiome's effect on drug metabolism using multi-organ-on-chip models
Oral Presentation	12:15 - 12:30	Pandharikar Gaurav	Université de Lorraine, INRAE, UMR1136, IAM, France	Molecular mechanisms involved in the fungal-bacterial-mediated wood detoxification process
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Kiran Patil	University of Cambridge, United Kingdom	Discovering metabolic interactions and predicting their evolution
Invited Talk	14:30 - 15:00	Julia Vorholt	ETH Zurich, Switzerland	Mapping the bacterial metabolic interaction network in the phyllosphere
Oral Presentation	15:00 - 15:15	Sammy Pontrelli	ETH Zurich, Switzerland	Metabolic cross-feeding structures the assembly of polysaccharide degrading communities
Poster Pitch and Poster	15:15 - 15:17	Giorgia Greter	ETH Zurich, Switzerland	Bacteroides thetaiotaomicron uses hydrogen as a cue to adapt metabolically to the presence of butyrate producers
Poster Pitch and Poster	15:18 - 15:20	Kelly Hidalgo Martinez	Microbial Resources Division, Research Center for Chemistry, Biology and Agriculture (CPQBA), University of Campinas – UNICAMP, Brazil	Genome-resolved analysis of aromatic hydrocarbon degradation in a jet fuel plume
Poster Pitch and Poster	15:20 - 15:22	Min-Ju Kang	Jeju National University, South Korea	Copper effects on ammonia- and methane-oxidizing activity

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:22 - 15:24	Lauren Lucas	University of Wisconsin - Madison, United States	Dominant bacterial phyla from the human gut show widespread ability to deconjugate, transform, and (re)conjugate bile acids
Poster Pitch and Poster	15:25 - 15:27	Luz Puentes Jacome	Delft University of Technology, Netherlands	Unraveling the metabolic interactions of a Dehalobacter-containing anaerobic mixed microbial culture
Poster Pitch and Poster	15:28 - 15:30	Miguel Teixeira	Norwegian University of Science and Technology, Norway	CarveMe: Automated reconstruction of genome-scale metabolic models
Oral Presentation	15:30 - 15:45	Martin Taubert	Friedrich Schiller University Jena, Germany	Bolstering fitness via CO ₂ fixation and organic carbon uptake: mixotrophs in modern groundwater
Oral Presentation	15:45 - 16:00	Anna S. Weiss	Max von Pettenkofer Institute, Ludwig-Maximilians University Munich, Germany	Exploring the interaction network of a synthetic gut bacterial community in vitro

Tuesday 16 August

MS12 & AS12 - Translational microbial ecology and One Health

Room 2ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Delphine Destoumieux-Garzon	Interactions Hôtes-Pathogènes-Environnements, Univ. Montpellier, CNRS, Ifremer, Univ. Perpignan, France	Marine invertebrates in a One Health context
Invited Talk	11:00 - 11:30	Ramy Aziz	Cairo University, Egypt	The human organism in a microbiome cloud: common destiny and conflicts of interest
Oral Presentation	11:30 - 11:45	Velma Aho	University of Luxembourg, Luxembourg	Multi-omic analyses of gut microbiota in Parkinson's disease suggest a role for archaea
Oral Presentation	11:45 - 12:00	J. Alfredo Blakeley-Ruiz	North Carolina State University, USA, University of North Carolina, Chapel Hill, USA	Dietary protein source strongly impacts gut microbiota composition and function
Oral Presentation	12:00 - 12:15	Virgile GUENEAU	Micalis Institute, France	Positive biofilms to guide surface microbial ecology in livestock buildings
Oral Presentation	12:15 - 12:30	Matthias Hess	University of California Davis, USA	The impact of environmental mycobiomes on the geographic variation in COVID-19 mortality
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Angela Sessitsch	Austrian Institute of Technology, Austria	Potential and challenges of plant microbiome applications considering a food systems approach
Invited Talk	14:30 - 15:00	Klaus Schlaeppi	Department Environmental Sciences, University of Basel, Switzerland	Soil microbiota feedbacks improving plant health
Oral Presentation	15:00 - 15:15	Kunal Dixit	Symbiosis International (Deemed University), India	Patients with non-celiac gluten sensitivity exhibit site-specific gut microbial signatures than that with irritable bowel syndrome
Poster Pitch and Poster	15:15 - 15:17	Natalie M. Melendez-Vazquez	Department of Microbiology and Medical Zoology, University of Puerto Rico, Medical Sciences Campus, San Juan, Puerto Rico	Gut microbial changes related to the efficacy of Delta-24-RGDOX viroimmunotherapy against glioblastoma
	Time	Presenting Author	Affiliation	Title

Poster Pitch and Poster	15:18 - 15:20	Benjamin Auch	Phase Genomics, USA	Proximity ligation sequencing reveals dynamics of phage-host & plasmid-host interactome In intestinal microbiota transplantation for C. diff infection
Poster Pitch and Poster	15:20 - 15:22	Yee Hui Lim	Nanyang Technological University, Singapore	Environmental surveillance of SARS-CoV-2 in public places using High-Throughput ultra low biomass analysis pipeline
Poster Pitch and Poster	15:22 - 15:24	Anssi Lipponen	Finnish Institute for Health and Welfare, Expert Microbiology Unit (THL), Kuopio, Finland	Detection of SARS-CoV-2 variants and their proportions in wastewater samples by next generation sequencing in Finland
Poster Pitch and Poster	15:25 - 15:27	Anna Spescha	Institute of Integrative Biology, ETH Zurich, Switzerland	Biological Control: Fighting below ground insect pests with entomopathogenic Pseudomonas bacteria, nematodes and fungi
Poster Pitch and Poster	15:28 - 15:30	Paul Wilmes	University of Luxembourg, Luxembourg	Stop counting beans and focus on what really matters: the functional ecology of the human microbiome
Oral Presentation	15:30 - 15:45	Aki Sinkkonen	Natural Resources Institute Finland, Finland	From comparisons to proof-of-concept intervention trials: The next step in The One Health Initiative?
Oral Presentation	15:45 - 16:00	Lars Zandbergen	University of Groningen, The Netherlands	Higher-order ecological interactions within pathogenic communities

Tuesday 16 August

MS13 & AS13 - Engineering microbial communities

Room 3ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Silvia De Monte	MPI Evolutionary Biology, Germany	Modelling eco-evolutionary feedbacks in artificial selection of community function
Invited Talk	11:00 - 11:30	Travis Gibson	Harvard Medical School, USA	Bottom up and top down approaches for building microbial communities and learning their dynamics
Oral Presentation	11:30 - 11:45	Ruben Garrido-Oter	Max Planck Institute for Plant Breeding Research, Germany	Computationally-enabled design of synthetic microbial food webs
Oral Presentation	11:45 - 12:00	Diego Javier Jimenez	Universidad de los Andes, Colombia	Engineering of plant biomass-degrading microbial communities
Oral Presentation	12:00 - 12:15	Gabriel Leventhal	PharmaBiome AG, Switzerland	Engineering defined bacterial consortia for therapeutics based on trophic interactions
Oral Presentation	12:15 - 12:30	Frances Spragge	University of Oxford, United Kingdom	Ecological rules of colonisation resistance in the mammalian microbiome
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Karna Gowda	The University of Chicago, USA	Genomic structure predicts metabolite dynamics in microbial communities
Invited Talk	14:30 - 15:00	Sara Mitri	University of Lausanne, Switzerland	Artificially selecting small bacterial communities for improved pollutant degradation
Oral Presentation	15:00 - 15:15	Marit Verheijen	Delft University of Technology, Netherlands	Driving force analysis to predict feasibility of novel catabolic puzzles
Poster Pitch and Poster	15:15 - 15:17	Senka Causevic	University of Lausanne, Switzerland	Developing reproducible synthetic and semi-natural soil communities for ecological studies
Poster Pitch and Poster	15:18 - 15:20	Poster Pitch Cancelled		
Poster Pitch and Poster	15:20 - 15:22	Abdelaziz El Houari	School of Natural Sciences, Environment Centre Wales, Bangor University, United Kingdom	Characterization of synthetic landfill microbiomes for enhanced anaerobic digestion of biomass to biogas
Poster Pitch and Poster	15:22 - 15:24	Daphne Perlman	Ben Gurion University, Israel	Delineating the role of structural and functional components on synthetic microbial community assembly

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:25 - 15:27	Bram van Dijk	Max Planck Institute for Evolutionary Biology, Germany	Transfer or perish: a multi-level perspective on engineering microbial ecosystems
Poster Pitch and Poster	15:28 - 15:30	Alexis Dijamentiuk	Biomolecular Engineering Laboratory, University of Lorraine, France	Invert emulsions for the propagation of microbial communities
Oral Presentation	15:30 - 15:45	Alexandra von Stempel	Max von Pettenkofer Institute, LMU Munich, Germany	Targeted design and manipulation of defined microbial consortia by bacteriophages
Oral Presentation	15:45 - 16:00	Sarah Winkler	Ben Gurion University, Be'er Sheva, Israel	Diet driven selection of microbial communities and its functional ecological outcomes

Tuesday 16 August

MS14 & AS14 - Spatial organisation of microbial communities

Room 4ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Mette Burmølle	University of Copenhagen, Denmark	Impact of spatial organisation on adaptation and evolution in mixed biofilms
Invited Talk	11:00 - 11:30	Knut Drescher	University of Basel, Switzerland	Mechanical and metabolic cell-cell interactions governing biofilm formation and dispersal
Oral Presentation	11:30 - 11:45	Heidi Arjes	Stanford University, USA	Three-dimensional biofilm growth supports a mutualism involving matrix and nutrient sharing
Oral Presentation	11:45 - 12:00	Sebastian Dan Burz	University of Lausanne, Switzerland	Probing interactomes of bee, mice & soil communities: what controls diversity and growth?
Oral Presentation	12:00 - 12:15	Gabriele Micali	ETH Zurich and Eawag, Humanitas Research Hospital, Switzerland	Minorities drive growth resumption in cross-feeding communities
Oral Presentation	12:15 - 12:30	Oral Presentation Cancelled		
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Berenike Maier	University of Cologne, Germany	Antibiotics modulate attractive interactions in bacterial colonies
Invited Talk	14:30 - 15:00	Akos T Kovacs	DTU, Denmark	From competition to cooperation in multispecies biofilms of <i>Bacillus</i> and <i>Pseudomonas</i>
Oral Presentation	15:00 - 15:15	Olivia Sheff	Indiana University, USA	Spatial structure stabilizes a cross-feeding community created through gene loss
Poster Pitch and Poster	15:15 - 15:17	Indra Monsees	Group for Aquatic Microbial Ecology, University Duisburg-Essen, Germany	Correlative microscopy reveals impact of viral infections on archaeal biofilm composition in groundwater
Poster Pitch and Poster	15:18 - 15:20	Poster Pitch Cancelled		
Poster Pitch and Poster	15:20 - 15:22	Jie Hu	Ecobio UMR 6553 CNRS- University of Rennes, France, Ecology and biodiversity group, Utrecht University, The Netherlands	Impact of roots on fine-scale biogeography of soil bacterial communities: metacommunity dynamics in rhizosphere

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:22 - 15:24	Vincent Carrier	The Arctic University of Norway, Norway	Arctic cold seep habitat microscale diversity and the interaction with microbial community structure and functions
Poster Pitch and Poster	15:25 - 15:27	George Schaible	Montana State University, USA	Diversity, morphology, physiology, and possible division of labor of multicellular bacteria revealed through genomics and correlative microscopy
Poster Pitch and Poster	15:28 - 15:30	Estelle Pignon	University of Lausanne, Switzerland	Studying pattern formation in microbial communities using engineered E. coli strains
Oral Presentation	15:30 - 15:45	William Smith	University of Oxford, United Kingdom	Collective protection against the type 6 secretion system in bacterial communities
Oral Presentation	15:45 - 16:00	Lan Li Wong	School of Biological Sciences, NTU, Singapore	S-layer protein mediates bacterial organisation in a key industrial and environmental anammox biofilm

Tuesday 16 August

MS15 & AS15 - Computational models to understand microbial ecology

Room 5ABC

10:00 - 12:00 & 14:00 - 15:00

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Jonathan Friedman	Institute of Environmental Science, The Hebrew University, Israel	Interspecies bacterial interactions can be predicted based on species' monoculture growth
Oral Presentation	11:00 - 11:15	Svenja Busche	University of Kiel, Germany	Amino acid auxotrophies are ubiquitous in the human gut microbiome
Oral Presentation	11:15 - 11:30	Francesco Delogu	University of Luxembourg, Luxembourg	Forecasting of a complex microbial community using meta-omics
Invited Talk	11:30 - 12:00	Alan Pacheco	ETH Zurich, Switzerland	Predicting microbiome structure in situ through metabolic modeling of resource competition
Invited Talk	12:00 - 12:30	Invited Talk Cancelled		
Lunch Break	12:30 - 14:00			
Invited Talk	14:00 - 14:30	Stefanie Widder	Medical University of Vienna, Austria	Antagonistic microbial community processes demarcate different pulmonary exacerbation types in Cystic Fibrosis
Poster Pitch and Poster	14:30 - 14:32	Daniel Amor	University of Graz, Austria	The interplay between growth rate and antibiotic susceptibility in community response to antibiotic exposure
Poster Pitch and Poster	14:33 - 14:35	Amalia Bogri	Technical University of Denmark, Denmark	The dual effect of bacterial transmission on the prevalence of antimicrobial resistance
Poster Pitch and Poster	14:35 - 14:37	Amir Erez	Hebrew University of Jerusalem, Israel	Microbial diversity and competition for resources in a model seasonal ecosystem
	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	14:37 - 14:39	Sonja Lehtinen	ETH Zurich, Switzerland	Epidemiological dynamics of bacteriocin competition and antibiotic resistance
Poster Pitch and Poster	14:40 - 14:42	Fateme Pourhasanzade	University of Bergen, Norway	An agent-based model for studying the evolution and diversification of traits in host-phage population dynamics
Poster Pitch and Poster	14:43 - 14:45	Evangelia Vayena	EPFL, Switzerland	In silico analysis and comparison of the metabolic capabilities of different organisms by reducing metabolic complexity
Oral Presentation	14:45 - 15:00	Pim van Leeuwen	University of Amsterdam, Netherlands	Creating stable synthetic microbial communities using in-silico and in-vivo approaches