

Monday 15 August

MS01 & AS01.1 - Marine microbial ecology

Auditorium A

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Mónica Medina	Penn State University, USA	Eco-physiological drivers of microbiome assemblages in the Caribbean coral <i>Orbicella annularis</i> species complex
Oral Presentation	11:00 - 11:15	Kathrin Busch	GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany	Large-scale biodiversity patterns of deep-sea microbes: Environmental drivers and sustainability of the global deep-sea sponge microbiome
Oral Presentation	11:15 - 11:30	Joseph A. Christie-Oleza	University of the Balearic Islands, Palma, Spain	New ecological roles for type IV pili in marine dominant bacterioplankton: avoid sinking and evade predation (amongst others)
Oral Presentation	11:30 - 11:45	Hannah Epstein	Oregon State University, USA	A land-sea connection: Exploring the impacts of invasive rats on coral reef microbiomes
Poster Pitch	11:45 - 11:47	Poster Pitch Cancelled		
Poster Pitch	11:48 - 11:50	Winona Wijaya	Asian School of the Environment, Nanyang Technological University, Singapore	Frequent pulse disturbance influences succession and resilience in tropical marine microbial communities
Poster Pitch	11:50 - 11:52	Jan D. Brüwer	Max Planck Institute for Marine Microbiology, Bremen, Germany	Oligo- vs copiotrophy – are coastal SAR11 really oligotrophs?
Poster Pitch	11:52 - 11:54	Katharina Kitzinger	MPI for Marine Microbiology, Germany, University of Vienna, Austria	Urea fuels open ocean nitrification
Poster Pitch	11:55 - 11:57	Johannes Keegstra	ETH Zurich, Switzerland	Marine bacteria show large diversity in motility strategies and survival upon nutrient limitation
Poster Pitch	11:58 - 12:00	Amaranta Focardi	University of Technology Sydney, Australia	Defining the ecological strategies of phytoplankton-associated bacteria
Oral Presentation	12:00 - 12:15	Katsuki Hara	University of Tsukuba, Japan	Differentiated endurance strategies among motile bacterial foragers
Oral Presentation	12:15 - 12:30	Bo Barker Jørgensen	Aarhus University, Denmark	A cryptic methane cycle in marine sediments driven by ANME-1 archaea

Lunch Break	12:30 - 14:00			
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	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Raquel Peixoto	King Abdullah University of Science and Technology (KAUST), Saudi-Arabia	Restoring marine microbiomes
Oral Presentation	14:30 - 14:45	Anne Kupczok	Wageningen University, The Netherlands	High-resolution metagenomics uncovers strain relationships and gene content evolution in two co-colonizing symbionts of deep-sea mussels
Oral Presentation	14:45 - 15:00	Rachael Lappan	Monash University, Australia	Molecular hydrogen is an overlooked energy source for marine bacteria
Oral Presentation	15:00 - 15:15	Elisa Merz	Max-Planck-Institute for Marine Microbiology, Germany	Interaction between large sulphur oxidising bacteria and diatoms in illuminated sulfidic sediments
Poster Pitch and Poster	15:15 - 15:17	Jacob Munson-McGee	Bigelow Laboratory for Ocean Sciences, USA	Effect of nutrient amendment on microbial single cell respiration rates in the mesopelagic
Poster Pitch and Poster	15:18 - 15:20	Sabiha Sultana	University of Oldenburg, Germany	Vitamin B12 is not shared by all prototrophic bacteria with their environment
Poster Pitch and Poster	15:20 - 15:22	Nils Rådecker	École polytechnique fédérale de Lausanne (EPFL), Switzerland	Resource competition regulates the cnidarian-algal symbiosis
Poster Pitch and Poster	15:22 - 15:24	Nur Hazimah Mohamed Nor	Nanyang Technological University, Singapore	Integrated and rapid sampling method for simultaneous analysis of microplastic and microbial communities in the aquatic environment
Poster Pitch and Poster	15:25 - 15:27	Henrique Santos	Fluminense Federal Univesity, Brazil	The impact of the world's largest mining disaster (Fundão dam, Brazil) on the microbiome of rivers, lagoons, nearby coastal areas, and coral reefs
Poster Pitch and Poster	15:28 - 15:30	Rebecca Vega Thurber	Oregon State University Department of Microbiology, USA	Endogenous viral elements reveal associations between a non-retroviral RNA virus and symbiotic dinoflagellate genomes
Oral Presentation	15:30 - 15:45	Forest Rohwer	San Diego State University, USA	Piggybacking Viruses and Coral Reef Arks
Oral Presentation	15:45 - 16:00	Guillem Salazar	Department of Biology, Institute of Microbiology and Swiss Institute of Bioinformatics, ETH Zürich, Switzerland	Eco-evolutionary drivers of coral holobiont biocomplexity

Monday 15 August

MS02 & AS02 - Microbial ecology of viruses and phages

Auditorium B

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Corinne F. Maurice	McGill University, Canada	From early life to adulthood, the contrasting interactions of phages and bacteria in the human gut
Invited Talk	11:00 - 11:30	Matthias Fischer	Max Planck Institute for Medical Research, Germany	Fighting viruses with viruses – how virophages provide defense against giant viruses in protists
Oral Presentation	11:30 - 11:45	Maija Jokinen	University of Zurich, Switzerland	Infection sequence shapes virus community assembly during natural epidemics
Oral Presentation	11:45 - 12:00	Rodrigo Ibarra-Chávez	University of Copenhagen, Denmark / University of Glasgow, U.K.	Phage-inducible chromosomal islands promote genetic variability by blocking phage reproduction and protecting transductants from phage lysis
Oral Presentation	12:00 - 12:15	Clement Coclet	DOE Joint Genome Institute, Lawrence Berkeley National Laboratory, Berkeley, CA, USA	RNA virus diversity and activity associated with seasonal changes in a mountainous soil ecosystem
Oral Presentation	12:15 - 12:30	Nikhil George	University of Waterloo, Canada	Virus-host interactions in a municipal landfill include non-specific viruses, hyper-targeted viral populations, and interviral conflicts
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Martin Polz	University of Vienna, Austria	The structure of bacteria-virus interactions in the wild
Invited Talk	14:30 - 15:00	Cynthia Silveira	University of Miami, USA	The landscape of lysogeny across microbial community density, diversity, and energetics
Oral Presentation	15:00 - 15:15	Joshua Kirsch	University of Colorado Anschutz Medical Center, USA	Bacteriophage infection of <i>Enterococcus faecalis</i> expands an insertion sequence element
Poster Pitch and Poster	15:15 - 15:17	Ivan Liachko	Phase Genomics, USA	Culture-free phage genome reconstruction and host assignment in microbial communities using proximity-ligation (Hi-C) sequencing
Poster Pitch and Poster	15:18 - 15:20	Ariane Bize	Université Paris-Saclay, INRAE, France	Diversity of novel archaeal viruses infecting methanogens discovered through coupling of stable isotope probing and metagenomics

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:20 - 15:22	Hilje Doekes	Wageningen University, the Netherlands	How repeated outbreaks drive the evolution of bacteriophage communication: insights from mathematical modelling
Poster Pitch and Poster	15:22 - 15:24	Vinod Kumar Gupta	Microbiome Program, Center for Individualized Medicine, Mayo Clinic, USA / Division of Surgery Research, Department of Surgery, Mayo Clinic, Rochester, MN, USA	The landscape of bacteriophage immunity in the human gut microbiome and potential implications in disease
Poster Pitch and Poster	15:25 - 15:27	Pedro Leao	University of Texas, Austin, USA	Asgard archaeal viruses
Poster Pitch and Poster	15:28 - 15:30	Côme Morel	ASTRE research unit, CIRAD, France	Higher influence of host over habitat on the eukaryotic virome in sympatric mosquitoes and abundance of generalist viruses
Oral Presentation	15:30 - 15:45	Aditi K. Narayanan	California Institute of Technology, USA	The viral community of methane seep sediments is mostly unclassified and highly diverse, and responds to changes in host metabolic activity
Oral Presentation	15:45 - 16:00	Janina Rahlff	Linnaeus University, Sweden	From the sea surface to clouds and back again: prokaryotic viruses disperse along the natural water cycle

Monday 15 August

MS03.1 & AS03 - Plant microbial ecology

Auditorium C

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Claudio Valverde	Universidad Nacional de Quilmes, Argentina	A rhizospheric Pseudomonas isolate representative of a novel species promotes grain yield in the field
Oral Presentation	11:00 - 11:15	Asmaâ Agoussar	INRS-Santé et Biotechnologie, Canada	Synthetic microbial communities to understand and harness microbial-driven wheat drought resistance
Oral Presentation	11:15 - 11:30	Roeland Berendsen	Utrecht University , the Netherlands	Downy mildew diseased plants are enriched for a conserved disease-associated phyllosphere microbiome that benefits the plant
Oral Presentation	11:30 - 11:45	Jessica Dozois	INRS, Canada	Plant rhizospheric miRNAs interfere with the microbial use of soil nitrogen
Poster Pitch	11:45 - 11:47	Poster Pitch Cancelled		
Poster Pitch	11:48 - 11:50	María Victoria Berlanga-Clavero	Instituto de Hortofruticultura Subtropical y Mediterránea La Mayora, Universidad de Málaga—Consejo Superior de Investigaciones Científicas (IHSM-UMA-CSIC), Málaga, Spain	Fengycin and the amyloid TasA of Bacillus subtilis stimulates the growth and immunization of plants by targeting the seed storages
Poster Pitch	11:50 - 11:52	Charlotte Joller	University of Basel, Switzerland	Plant root exudate and root microbiota dynamics during pathogen attack
Poster Pitch	11:52 - 11:54	Ying Guan	University of Copenhagen, Denmark	Role of viscosin in plant root colonization and modulation of the plant microbiome under real soil conditions
Poster Pitch	11:55 - 11:57	Lucas Hemmerle	ETH Zürich, Switzerland	Dynamic character displacement among a pair of bacterial phyllosphere commensals in situ
Poster Pitch	11:58 - 12:00	Jisna Jose	Friedrich Schiller University, Germany	Linking host genetic landscapes to phyllosphere microbiota recruitment and balance
Oral Presentation	12:00 - 12:15	Clara Heiman	University of Lausanne, Switzerland	Making heads or tails of phage tail-like particles in Pseudomonas kin competition
Lunch Break	12:30 - 14:00			

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Lucy Moleleki	Department of Biochemistry, Genetics and Microbiology, Forestry, Agricultural and Biotechnology Institute, University of Pretoria, South Africa	Insights into the complex regulatory network governing <i>Pectobacterium brasiliense</i> virulence and antibacterial strategies
Oral Presentation	14:30 - 14:45	Eliza Loo	Heinrich-Heine Universität, Germany, Cluster of Excellence on Plant Sciences, Germany	Role of spatial metabolic diversity in differential microbiota colonization along the longitudinal root axis
Oral Presentation	14:45 - 15:00	Mette Haubjerg Nicolaisen	University of Copenhagen, Denmark	Revealing the ecology of viscosin producing microorganisms in the rhizosphere of wheat
Oral Presentation	15:00 - 15:15	Bridget O'Banion	University of Tennessee-Knoxville, USA	Plant and bacterial inositol exchange influences root colonization outcomes
Poster Pitch and Poster	15:15 - 15:17	Doyeon Kim	University of Science and Technology, South Korea	Extracellular self-RNA induces immunity against bacterial and viral pathogens in pepper under field condition
Poster Pitch and Poster	15:18 - 15:20	Pascale Flury	Research Institute of Organic Agriculture FiBL, Switzerland	The secret life of plant-beneficial rhizosphere bacteria: insects as alternative hosts
Poster Pitch and Poster	15:20 - 15:22	Julien Luneau	University of Lausanne, Switzerland	How collective behaviors improve fitness of bacterial pathogens in the face of plant immunity
Poster Pitch and Poster	15:22 - 15:24	Poster Pitch Cancelled		
Poster Pitch and Poster	15:25 - 15:27	Julie Leroux	Université de Sherbrooke, Canada	Genetic adaptation of <i>Bacillus subtilis</i> in the rhizosphere in coexistence with <i>Pseudomonas fluorescens</i>
Poster Pitch and Poster	15:28 - 15:30	Daniela Ramirez Sanchez	LIPME, INRAE, CNRS, Université de Toulouse, Castanet-Tolosan, France	Establishing a genomic map of natural variation of vegetative growth response to bacterial microbiota in <i>Arabidopsis thaliana</i> in <i>in vitro</i> conditions
Oral Presentation	15:30 - 15:45	Christine M. Vogel	ETH Zurich, Switzerland	Random synthetic community experiments and machine learning allows the identification of microbiota properties relevant for plant protection
Oral Presentation	15:45 - 16:00	Sebastian Pfeilmeier	ETH Zurich, Germany	The interplay between the leaf microbiota, plant immunity and opportunistic pathogens

	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Benedikt Geier	Stanford University School of Medicine, USA	Imaging the metabolic biogeography of animal-microbe symbioses from organs to molecules
Invited Talk	14:30 - 15:00	Simon van Vliet	University of Basel, Switzerland	Predicting global dynamics of microbial communities from the molecular properties of cell-cell interactions
Oral Presentation	15:00 - 15:15	Jessica Taylor	Centre for Marine Science and Innovation, University of New South Wales, Australia	Communality in microbial stress response and differential metabolic interactions revealed by time-series analysis of sponge symbionts
Poster Pitch and Poster	15:15 - 15:17	Marja Roslund	Natural Resources Institute Finland	Microbiota and us: how to measure what we are exposed to on Spaceship Earth?
Poster Pitch and Poster	15:18 - 15:20	Katarina Kajan	Rudjer Boskovic Insitute, Zagreb, Croatia	Influence of assembly processes on the diversity of microbial communities and dissolved organic compounds in lake ecosystems
Poster Pitch and Poster	15:20 - 15:22	Brian Pipes	University of California - Merced, USA	CRISPRi repression of bioluminescence in <i>Vibrio fischeri</i>
Poster Pitch and Poster	15:22 - 15:24	Matti Ruuskanen	Department of Computing, University of Turku, Finland	High-resolution geospatial modeling of the human gut microbiome
Poster Pitch and Poster	15:25 - 15:27	Gareth Trubl	Lawrence Livermore National Laboratory, USA	Uncovering the multi-faceted roles of active viruses in soil ecosystems following a simulated wet-up
Poster Pitch and Poster	15:28 - 15:30	Poster Pitch Cancelled		
Oral Presentation	15:30 - 15:45	Emily C Fogarty	University of Chicago, USA	The mighty hitchhiker of <i>Bacteroides</i> : A core member of the human gut mobilome that occurs in over 90% of individuals in China and the USA
Oral Presentation	15:45 - 16:00	Vinicius S. Kavagutti	Department of Ecosystem Biology, Faculty of Science, University of South Bohemia, Czech Republic / Department of Aquatic Microbial Ecology, Institute of Hydrobiology, Biology Centre of the Academy of Sciences of the Czech Republic, Czech Republic	A bohemian rhapsody: genome-resolved timelapse of the spring bloom in freshwaters

Monday 15 August

MS05 & AS05 - A theoretical perspective on microbiome dynamics

Room 2ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Katharine Coyte	University of Manchester, United Kingdom	Horizontal gene transfer and ecological interactions jointly control microbiome stability
Oral Presentation	11:00 - 11:15	Daniel Rios Garza	Laboratory of Microbial Systems Biology, Department of Microbiology, Immunology and Transplantation, Rega institute, KU Leuven, Belgium	Hunger games: exploring the ecology of dynamic life strategies in a synthetic ecosystem of human gut bacteria
Oral Presentation	11:15 - 11:30	Leo Lahti	University of Turku, Finland	Incorporating ecological memory in theoretical models of microbiome dynamics
Invited Talk	11:30 - 12:00	Tom Curtis	Newcastle University, United Kingdom	Plus ça change, plus c'est la même chose: Why do communities change and why do they stay the same?
Invited Talk	12:00 - 12:30	Babak Momeni	Boston College, USA	Nasal microbiota: a model system for community dynamics and intervention
Lunch Break	12:30 - 14:00			
Invited Talk	14:00 - 14:30	Aurore Picot	CNRS, France /University of Lausanne, Switzerland	An evolutionary epidemiology model to investigate the role of virulence genes in bacterial colonisation dynamics, and an application to E. coli
Poster Pitch and Poster	14:30 - 14:32	Elisa Benincà	National Institute for Public Health and the Environment (RIVM), Bilthoven, The Netherlands	Wavelet clustering analysis as a tool for characterizing community structure in the human microbiota
Poster Pitch and Poster	14:33 - 14:35	Poster Pitch Cancelled		
Poster Pitch and Poster	14:35 - 14:37	Sonja Türpitz	Friedrich Schiller University Jena, Germany	Modelling Microbial Communities That Compete by Poisoning
Poster Pitch and Poster	14:37 - 14:39	Tymon Herzyk	University of Glasgow, United Kingdom	Deriving population dynamics from taxa abundance time series; is it possible?
Poster Pitch and Poster	14:40 - 14:42	Ohad Lewin-Epstein	Department of Plant and Environmental Sciences, Weizmann Institute of Science, Israel	Addictions may be driven by competition-induced microbiome dysbiosis

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	14:43 - 14:45	Miriam Peces	University of Barcelona, Spain	Immigration promotes diverse responses in microbial community dynamics at the species-level
Oral Presentation	14:45 - 15:00	Silvia Talavera-Marcos	Autonomous University of Madrid, Spain	Phylogeny-guided computational approaches fed with composition data from ex situ cultivated natural communities explain underlying assembly forces

Monday 15 August

MS06 & AS06 - Global biogeochemical cycles

Room 3ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Gene Tyson	The University of Queensland, Australia	Characterising novel metabolic processes and interactions in carbon cycling
Invited Talk	11:00 - 11:30	Mike Jetten	Microbiology Radboud University, Netherlands	Discovery and metabolism of "impossible" anaerobic methane- and ammonium-oxidizing anaerobes
Oral Presentation	11:30 - 11:45	Chris Greening	Monash University, Australia	Shift from heterotrophy to autotrophy underlies carbon cycling in desert ecosystems
Oral Presentation	11:45 - 12:00	Luis Valentin Alvarado	UC Berkeley, USA	Borgs are giant extrachromosomal elements with the potential to augment methane oxidation
Oral Presentation	12:00 - 12:15	Marcela Hernández	University of East Anglia, United Kingdom	Active alkane-oxidising bacteria in natural gas seeps
Oral Presentation	12:15 - 12:30	Will Overholt	Friedrich Schiller University, Germany	Rates of primary production in groundwater rival those in oligotrophic marine systems
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Bess B. Ward	Princeton University, USA	Nitrous oxide consumption in surface waters
Invited Talk	14:30 - 15:00	Barbara Bayer	University of Vienna, Austria	Methylotrophy and nitrification-fueled chemoautotrophy are dominant metabolic strategies in contrasting Southern Ocean productivity regimes
Oral Presentation	15:00 - 15:15	Davide Ciccarese	Massachusetts Institute of Technology, USA	Macro-scale ocean biogeochemistry driven by micro-scale oxygen gradients and succession of denitrification genes in sinking algal-bacterial aggregate
Poster Pitch and Poster	15:15 - 15:17	Robin A. Dawson	University of East Anglia, United Kingdom	A volatile diet: prediction of a complete isoprene oxidation pathway through 'omics approaches
Poster Pitch and Poster	15:18 - 15:20	Jennah Dharamshi	Stockholm University, Sweden, Uppsala University, Sweden	An evolutionary and genomic perspective on the nitrogen cycle in stratified freshwater lakes
Poster Pitch and Poster	15:20 - 15:22	Alessandro do Nascimento Garritano	University of New South Wales, Australia	New insight into the distribution of carbon fixation in bacteria and archaea

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:22 - 15:24	Jeanine Geelhoed	University of Antwerp, Belgium	Genome analysis of cable bacteria reveals unique proteins involved in the metabolism of long-distance electron transport
Poster Pitch and Poster	15:25 - 15:27	Ruben Lopez-Mondejar	Institute of Microbiology, Czech Republic	Global distribution of carbohydrate utilization potential in the prokaryotic tree of life
Poster Pitch and Poster	15:28 - 15:30	Molly A. Moynihan	Marine Biological Laboratory, USA	Microbiology and biogeochemistry of blooms of anoxygenic phototrophic Chlorobi thriving in the presence of oxygen
Oral Presentation	15:30 - 15:45	Jan von Arx	Max Planck Institute for Marine Microbiology, Germany	Methylphosphonate-driven methane production in the western Tropical North Atlantic
Oral Presentation	15:45 - 16:00	Marc Mussmann	University of Vienna, Austria	Magnetite particles fuel direct interspecies electron transfer in intertidal sediments

Monday 15 August

MS07 & AS07 - Newly discovered branches of the tree of life

Room 4ABC

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

	Time	Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Michail Yakimov	ISP-CNR Messina, Italy	Functional analysis of nanohaloarchaea:haloarchaea associations
Invited Talk	11:00 - 11:30	Taiki Katayama	AIST, Japan	Discovery of a new cell structure and symbiotic lifestyle through isolation of hitherto uncultivated phyla
Oral Presentation	11:30 - 11:45	Jaime Alcorta	Pontificia Universidad Católica de Chile, Chile	Lessons from 107 worldwide terrestrial hot spring metagenomes: a tale of high taxonomic and functional novelty from 4,182 metagenome-assembled genomes
Oral Presentation	11:45 - 12:00	Kathryn Appler	University of Texas Marine Science Institute, USA	Revealing environmental patterns of Asgard archaea genomic diversity
Oral Presentation	12:00 - 12:15	Vasil Gaisin	Institute of Molecular Biology & Biophysics, ETH Zurich, Switzerland	'Ca. Absconditicoccus praedator' as a model system for studying interaction between Patescibacteria and their host
Oral Presentation	12:15 - 12:30	Brian P Hedlund	University of Nevada, Las Vegas, USA	Omnitrophota encompasses diverse and hyperactive nanobacteria: Putative metabolic traits and host-dependent lifestyles
Lunch Break	12:30 - 14:00			
	Time	Presenting Author	Affiliation	Title
Invited Talk	14:00 - 14:30	Purificacion Lopez-Garcia	CNRS & Université Paris-Saclay, France	Disclosing microbial ecology and evolution through newly identified microbial lineages
Invited Talk	14:30 - 15:00	Katrine Whiteson	University of California Irvine, USA	Making sense of the unknowns in metagenomic and metabolomic dark matter
Oral Presentation	15:00 - 15:15	Anthony Kohtz	Montana State University, USA	Cultivation of thermophilic Verstraetearchaeota (Methanomethylicia) under methanogenic conditions
Poster Pitch and Poster	15:15 - 15:17	Burak Avci	Wageningen University and Research, the Netherlands	Spatial separation of ribosomes and DNA in Asgard archaeal cells
Poster Pitch and Poster	15:18 - 15:20	Maria Cecilia Chiriac	Institute of Hydrobiology, Biology Centre CAS, Czech Republic	Life strategies in Patescibacteria – is the radiation strictly host-associated?
Poster Pitch and Poster	15:20 - 15:22	Poster Pitch Cancelled		

	Time	Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:22 - 15:24	Daan Speth	Max Planck Institute for Marine Microbiology, Germany	Discovery of a groundwater clade of denitrifying respiratory endosymbionts
Poster Pitch and Poster	15:25 - 15:27	Christian Rinke	The University of Queensland, Australia	GTDB classification of the domain Archaea
Poster Pitch and Poster	15:28 - 15:30	Paul Sheridan	University of Aberdeen, United Kingdom	Novel uncultured lineages address fundamental questions in archaeal evolution and habitat adaptation
Oral Presentation	15:30 - 15:45	Jackson M. Tsuji	Hokkaido University, Japan	Cultivation of a phototrophic Chloroflexota member using a Type I reaction center sheds new light on the ecology and evolution of photosynthesis
Oral Presentation	15:45 - 16:00	Emily White	University of Queensland, Australia	Comparative analysis of the ecology and evolution of non-photosynthetic cyanobacteria

Monday 15 August

MS08 & AS08 - Ecological drivers of microbes in foods

Room 5ABC

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

		Presenting Author	Affiliation	Title
Invited Talk	10:30 - 11:00	Nicholas Bokulich	ETH Zürich, Switzerland	Microbial biogeographies and food terroir
Invited Talk	11:00 - 11:30	Marie-Christine Champomier Vergès	INRAE, France	Overview on the microbial ecological basis of food spoilage and preservation
Oral Presentation	11:30 - 11:45	Rosa Aragão Börner	Nestlé Research, Switzerland	A deep dive in a water kefir ecology, from population dynamics to flavor attributes
Oral Presentation	11:45 - 12:00	Francesca De Filippis	University of Naples Federico II, Italy	Deciphering the genomic potential of the microbial communities involved in typical fermented foods production
Oral Presentation	12:00 - 12:15	Chrats Melkonian	Theoretical Biology and Bioinformatics, Science for Life, Utrecht University, Utrecht, the Netherlands / Bioinformatics Group, Wageningen University and Research, Wageningen, Netherlands	Interactions between Streptococcus thermophilus and Lactococcus lactis strains shape the flavor profile of cheese
Oral Presentation	12:15 - 12:30	Oral Presentation Cancelled		
Lunch Break	12:30 - 14:00			
		Presenting Author	Affiliation	Title
Invited Speaker	14:00 - 14:30	Paul Cotter	Teagasc, Ireland	Insights into fermented food microbiomes from across the globe
Invited Speaker	14:30 - 15:00	Maria L Marco	University of California, Davis, USA	Extracellular electron transfer as an ecologically important trait among lactic acid bacteria in food fermentations
Oral	15:00 - 15:15	Muzi Tangyu	Saarland Univeristy, Germany	Cocultures of Propionibacterium freudenreichii and Bacillus amyloquefaciens cooperatively ferment plant milk to high vitamin B12 and multiple benefits
Poster Pitch and Poster	15:15 - 15:17	Stephane Chaillou	University Paris-Saclay/INRAe/Micalis Institute, France	Food-borne bacteria undercover: MAG reconstruction can reveal the biases in cultured food bacterial isolates and help identifying new species/strains

		Presenting Author	Affiliation	Title
Poster Pitch and Poster	15:18 - 15:20	Poster Pitch Cancelled		
Poster Pitch and Poster	15:20 - 15:22	Mi-Ja Jung	World Institute of Kimchi, South Korea	Role of lactic acid bacteria in bacterial, viral, and metabolite dynamics during vegetable food fermentation
Poster Pitch and Poster	15:22 - 15:24	Poster Pitch Cancelled		
Poster Pitch and Poster	15:25 - 15:27	Hye Seon Song	World Institute of Kimchi, South Korea	Dynamics of microbial and metabolic composition during kimchi fermentation according to main ingredients
Poster Pitch and Poster	15:28 - 15:30	Tae Woong Whon	Kimchi Functionality Research Group, World Institute of Kimchi, Republic of Korea	A web-based knowledgebase of integrated functional omics of bacteria, archaea, eukaryotic microorganisms, and viruses in fermented foods
Oral	15:30 - 15:45	Vincent Somerville	University of Lausanne, Switzerland	Genomic signatures of domestication in bacterial communities of Swiss cheese starter cultures
Oral	15:45 - 16:00	Oral Presentation cancelled		