

Poster Board Number	Title	Presenting author	Affiliation	Country
PS1.06.273	<i>Acidity and salinity influence viral ecogenomics and microbial evolution in polyextreme lakes</i>	Emilie Skoog	ETH Zurich	Switzerland
PS1.06.274	<i>Advancing Biofilm Science Through Convergent Graduate Training in Extreme Environments</i>	Dana Skorupa	Montana State University	United States of America
PS1.06.275	<i>A metabolically versatile Rhodococcus species oxidises trace gases to support atmospheric chemosynthesis</i>	Thomas Laird		Australia
PS1.06.276	<i>Anabolic Potential Retained in Million-Year-Old Oligotrophic Subseafloor Sediments of the South Atlantic Gyre</i>	Mako Takada		Japan
PS1.06.277	<i>Analysis of DNA viral communities in a transect of ice-free regions along the Transantarctic Mountains. A comparative study between amplified and non-amplified metaviromes</i>	Rafael Gonzalez-Serrano		New Zealand
PS1.06.278	<i>Archaea in NaCl dominated and Mg/Ca-dominated saline environments</i>	Cecilia Demergasso	Universidad Católica del Norte, Chile	Chile
PS1.06.279	<i>A Tale of Two Thermophiles: What Differentiates the Endemic Bacterial Genus Venenivibrio from its Globally Distributed Sister Genus Sulfurihydrogenibium?</i>	Meghan Marshall	University of Canterbury	New Zealand
PS1.06.280	<i>Biofilm Ecology in Serpentinization-Associated Extreme Environments</i>	Sarah Gonzalez Henao		United States of America
PS1.06.281	<i>Biosurfactants in the cryosphere</i>	Breuklyn Opp		United States of America
PS1.06.282	<i>Characterisation of flagella filament proteins from thermophilic bacteria</i>	Jacob Scadden	University of New South Wales	Australia
PS1.06.283	<i>Characterization of a novel sulfur-disproportionating bacterium in the family Desulfurivibrionaceae isolated from a hot spring water</i>	Shu Murai	Hokkaido University	Japan
PS1.06.284	<i>Connecting Microbial Communities to Deep Earth Processes</i>	JuliAnn Panehal		United States of America
PS1.06.285	<i>Contrasting hydrogeochemical and microbiological drivers of carbonate precipitation in high-altitude microbial mats from Salar de Maricunga and Laguna Verde</i>	Daniela Morales	Universidad de Concepción	Chile
PS1.06.286	<i>Cultivation of phototrophic Vulcanimicrobiota from Mt. Zao volcanic barren soil and its distribution in terrestrial ecosystems</i>	Shuhei Yabe	RIKEN Center for Sustainable Resource Science	Japan

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PS1.06.288	<i>Diazotrophic bacteria fixing nitrogen in alkaline, saline bauxite residue technosols</i>	Ge Song		Australia
PS1.06.289	<i>Diversity of endophytic actinomycetes from plants in the Mongolian Gobi Desert</i>	Oyunbileg Natsagdorj	Mongolian Academy of Sciences	Mongolia
PS1.06.291	<i>Dryland soils are hotspots of diverse and dynamic prokaryotic antiviral defenses</i>	Yongyi Peng		Australia
PS1.06.292	<i>Ecophysiology of Dormant Bacterial Endospores in Seafloor Sediments Impacted by Continuous Emission of Warm Fluids from Deep Oceanic Crusts</i>	Bronwyn Ellis		United States of America
PS1.06.293	<i>Environmental filtering shapes microbial mat community assembly across interconnected high-altitude hypersaline systems of the Chilean Altiplano</i>	María Alcamán	Universidad del	Chile
PS1.06.294	<i>Enzyme stability as an adaptation to low energy availability for aeonophilic microbes in subsurface Gulf of Alaska sediments</i>	Meghan Winzler		United States of America
PS1.06.295	<i>Exploring decadal-scale spatiotemporal dynamics of glacier microbiomes using metagenomics</i>	Takumi Murakami	Institute of Science Tokyo	Japan
PS1.06.296	<i>Extreme anthropogenic pollution selects for previously unrecognized microbial phyla enriched in biosynthetic gene clusters</i>	Juan Valero-Tebar	Institute for integrative biology systems (UV-CSIC)	Spain
PS1.06.298	<i>From Microbes to Minerals: Cross-Kingdom Microbial Ecology of Rock Art Coatings</i>	Belinda Martin	Flinders University	Australia
PS1.06.299	<i>Frozen potential: bioprospecting polar bacteria for regenerative agriculture</i>	Karol Piekarski		Poland
PS1.06.300	<i>Functional diversity and biotechnological potential of newly isolated culturable Antarctic fungi</i>	Benedetta Fongaro	University of Padova	Italy
PS1.06.301	<i>Genome-guided characterization of subsurface-derived thermophilic bacterial endospores in deep marine sediments</i>	Eric Christen	Idaho State University	United States of America
PS1.06.302	<i>Genome-resolved metagenomic analysis of halocin-linked halophilic archaea and synergistic life with <i>Salinibacter</i> in Australian pink lakes</i>	Zhiguang Qiu		Australia
PS1.06.303	<i>Genome-resolved metagenomics of a Caucasian geothermal spring reveals diverse thermophiles and a novel <i>Thermogutta</i> species</i>	Hovik Panosyan	Yerevan State University, Institute of Pharmacy	Armenia

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PS1.06.304	<i>Genomic and Metabolic Insights into Novel Sulfurospirillum Isolates from Shallow-Water Hydrothermal Vents</i>	Li Wang		China
PS1.06.305	<i>Genomic characterisations of Venenivibrio strains endemic to Aotearoa New Zealand</i>	Holly Welford	University of Canterbury	New Zealand
PS1.06.306	<i>Genomic Insights on the Perchlorate Reducing Island of Saudi Hot Spring Bacteria and Their Potential for Perchlorate Degradation Under Martian Simulated Conditions</i>	Nicholas Kontis	King Abdullah University of Science and Technology (KAUST)	Saudi Arabia
PS1.06.307	<i>Geothermal pools as model systems to understand the mechanisms governing microbial aerosolisation</i>	Natasha Korvin	Auckland University of Technology	New Zealand
PS1.06.308	<i>Globally cosmopolitan thermophilic microorganisms do exist and are enriched in traits that may enable long-range aeolian dispersal</i>	Stephen Noell	University of Waikato	New Zealand
PS1.06.309	<i>Haloalkaliphilic bacteria converts cellulose into acidic metabolites in alkaline and saline wastewater - a potential method to neutralize bauxite residue leachate</i>	Yuanying Ma		Australia
PS1.06.310	<i>Hydration Conditions Shape Transcriptional Reactivation in Desert Biocrust Communities</i>	Jaber Abbaszadeh	University of Vienna, Centre for Microbiology and Environmental Systems Science	Austria
PS1.06.311	<i>Hydrochemical controls on microbial community structure and gypsum precipitation in two contrasting high-altitude Andean salt flats (Salar de Pajonales and Salar de Gorbea, Chile)</i>	Cinthya Tebes-Cayo	Universidad Católica del Norte	Chile
PS1.06.312	<i>Integrating relative- and absolute-abundance networks reveals microbial successional trajectories</i>	Lijing jiao	Nanyang Technological University	Singapore
PS1.06.313	<i>Integrative RB-TnSeq and CRISPR for Acid Tolerance Mechanism in Rhodanobacter sp. FW510-T8</i>	Jizhong Zhou	University of Oklahoma	United States of America
PS1.06.314	<i>Investigation of active microbial communities in Lake Untersee's conical stromatolites</i>	Sarah Corkery	University of Guelph	Canada
PS1.06.315	<i>Iron-reducing communities in perennial gypsum-saturated Arctic springs</i>	Sujung Lim		United States of America
PS1.06.316	<i>Life in the Fizzy Lakes: Diatoms in Canadian Soda Lakes</i>	Ruchita Solanki	University of Calgary	Canada

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PS1.06.317	<i>Marine viral ecology in Antarctic waters: current knowledge and future directions</i>	Chuan Zhai	Institute for Marine and Antarctic Studies (IMAS)	Australia
PS1.06.318	<i>Metagenomic insights reveal metabolic potential and a novel Solirubrobacteraceae lineage from sand dunes of the Gran Desierto de Altar, Sonora, Mexico</i>	Cristal Ramos Madrigal	Escuela Nacional de Estudios Superiores Unidad Morelia, UNAM	Mexico
PS1.06.319	<i>Metagenomics revealed Four Novel Giant Viruses from Terrestrial Geothermal Habitats</i>	Lausanne Lee Oliver		United States of America
PS1.06.320	<i>Methane Production from Carbon Dioxide Coupled with Sulfide Oxidation in a Thermophilic Microbial Electrosynthesis System</i>	Blessing Muradzikwa	Hiroshima University	Japan
PS1.06.321	<i>Microbial community and function succession of microbiome in deep sea hydrothermal sediments and sulfides</i>	Min Yu		China
PS1.06.322	<i>Microbial Diversity and Community Shifts in a Petroleum Reservoir under Production: Effects of Water Breakthrough and Anthropogenic Alterations</i>	Armando Alibrandi	UDE -University of Duisburg Essen	Germany
PS1.06.323	<i>Microbial Ecology of an Australian Hot Spring: a study in comparative genomics and co-occurrence</i>	Gemma Laird		Australia
PS1.06.324	<i>Microbial Transport and Deposition on the Greenland Ice Sheet: A Time Series from Summit Station, Greenland</i>	Nathan Ernster	Aalborg University	Denmark
PS1.06.325	<i>Microbial transport by Atmospheric Rivers</i>	Eduardo Castro-Nallar	Universidad de Talca, Chile	Chile
PS1.06.326	<i>Mobilome of tropical soda lakes</i>	Junia Schultz	Universidade de São Paulo	Brazil
PS1.06.327	<i>Multi-Omics Insights into Stress Adaptation in Novel Polyextremotolerant Black Fungi from Robinson Ridge, East Antarctica</i>	Priyanka Rani Majumdar	UNSW Sydney	Australia
PS1.06.328	<i>New insights from metagenomic survey of subterrestrial microflora of the Deccan Traps, India</i>	Debarshi Mukherjee	Indian Institute of Technology Kharagpur	India
PS1.06.329	<i>Novel Asgard archaeal viruses from hypersaline microbial mats provide new insights into the evolution of Eukaryotes</i>	Julia Meltzer	University of New South Wales	Australia

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PS1.06.330	<i>Novel permafrost-derived bacteria have unique characteristics, including ice modulation</i>	Robyn Barbato	US Army Cold Regions Research and Engineering Laboratory	United States of America
PS1.06.331	<i>Novel viral communities manipulate host phosphorus cycling in oligotrophic Antarctic lake microbial mats</i>	Anne Jungblut	The Natural History Museum	United Kingdom
PS1.06.332	<i>Photophysiological Adaptation of Polar Cyanobacteria</i>	Samantha Jenkins		United Kingdom
PS1.06.333	<i>Polyhydroxyalkanoate Production by Bacteria Isolated from Antarctic Environments</i>	Marina Basaglia	University of Padova	Italy
PS1.06.334	<i>Probiotics Producing Levan from Egypt's Wadi El Natron Soda Lake and Its Potential Applications in Skin Care Products</i>	Noura O. Abdelsamad	The American University in Cairo	Egypt
PS1.06.335	<i>Reactivation of acetogenic microorganisms from 3 km beneath the surface of the Deccan Traps, India, to unveil their physiological, metabolomic, and genomic traits</i>	Swatilekha Sarkar	Indian Institute of Technology Kharagpur	India
PS1.06.336	<i>Rhizosphere bacterial communities of Namib Desert plant species</i>	Silindile Maphosa		South Africa
PS1.06.338	<i>Shifts in bacterial diversity and functional specialization during the formation of Antarctic snow algae blooms</i>	Daniela Soto		Chile
PS1.06.339	<i>Stochastic Assembly Persists Through Antarctic Post-Glacial Soil Development Across Contrasting Landforms</i>	Ke Dong	Kyonggi University	Korea, Republic of
PS1.06.340	<i>Strategies of Energy Metabolism in Microbiota from Hydrothermal Areas along the Central Indian Ocean Ridge</i>	Jiwon Jeong	Korea Institute of Ocean Science & Technology	Korea, Republic of
PS1.06.341	<i>Studying the effects of mangrove reforestation in the formation of healthy microbiomes</i>	Muhammad Arshad		United Arab Emirates
PS1.06.342	<i>Subzero active bacteria in Arctic and Antarctic soils</i>	Max Haggblom	Rutgers University	United States of America
PS1.06.343	<i>Surface connectivity drives functional convergence in cave microbiomes across contrasting lithologies</i>	Maira Nayeli Luis Vargas		Australia
PS1.06.344	<i>Tapping into the sub-Antarctic microbial dark matter: the trophic strategies of novel microbial species across the soils of sub-Antarctic islands</i>	Don Cowan	University of Pretoria	South Africa

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PS1.06.345	<i>Testing seafloor community assembly at the thermal edge of life: the Go Beyond the Limit (GBL) ocean drilling project</i>	Yuki Morono		Japan
PS1.06.346	<i>The Atmosphere as a Structured Microbial Transport Network</i>	Stephen Archer		New Zealand
PS1.06.347	<i>The Biogeography of Defense Island Architecture in the Antarctic Dry Valleys</i>	Pia Sen		United States of America
PS1.06.348	<i>The zero-magnetic field alters microbial community structure and ecological functions in mangroves</i>	Fan-Yi Meng		Netherlands
PS1.06.349	<i>Training psychrophilic propanotrophic consortia for in situ bioremediation</i>	Devi Dhakal Gaudel		United States of America
PS1.06.350	<i>Understanding today's microbial communities through desert soil history</i>	Cecilia Demergasso	Biotechnology Center, Universidad Católica del Norte, 0610 Angamos Avenue, Antofagasta, Chile.	Chile
PS1.06.351	<i>Unveiling the metagenomic profiles of the Pyrenean thermal waters</i>	Zeina Bourhane		France
PS1.06.352	<i>Where salt meets life: Salt flats microbial diversity is variable across seasons as well as salinity, and hosts novel industrially important enzymes</i>	Sunil Mundra	United Arab Emirates University	United Arab Emirates