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, . - .	Opening remarks	D Vice President of Northwest A&F University; Conference President
		D Dean of the College of Natural Resources and Environment
		D Conference Co-President, Michigan State University, United States
		D G Speaker representative, Julius Kühn Institute, Germany
Group Photo		
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- . - .(	Proliferation and Phage-Based Control of Antibiotic-Resistance in Sewage Treatment Plants	Prof. Pedro J. Alvarez Rice University, United States
- .( .	Using methanotrophic bacteria to refine our understanding of nitrification inhibitors	Prof. Lisa Y. Stein University of Alberta, Canada
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. .	Novel bioinformatic approaches for reliable metagenome-based abundance estimates and pollution source tracking	Prof. Kostas Konstantinidis Georgia Tech, United States
. .	Genomics and metagenomics reveal that congeneric species and conspecific genomovar replacements are key for their ecological success	Prof. Ramon Rossello-Mora Mediterranean Institute for Advanced Studies, Spain
. .	Using machine learning to predict ancient microbial phenotypes	Prof. Gergely János Szöllősi Okinawa Institute of Science and Technology, Japan
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(. ).	New approaches to restoring the soil microbiome for One Health	Prof. Gabriele Berg Graz University of Technology, Max Planck Institute of Colloids and Interfaces, Germany
). ).	Soil microbiomes and functions in eroded and rehabilitated ecosystems	Prof. Xiaorong Wei Northwest A&F University, China
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).( .	Single-cell behaviors determine the efficiency of metabolic interactions in spatially structured microbial communities	Prof. Miaoxiao Wang University of Electronic Science and Technology, China
. .(	Soil Microbiomes as Barriers and Conduits for Antimicrobial Resistance	Prof. Uli Klümper Technische Universität Dresden Germany
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,. -.	Anthropogenic use of antimicrobials and impact on bacterial pathogen evolution -An environmental and soil perspective	D G 8 University of Technology Sydney, Australia
-. -.	Effects of irrigation water quality and soil type on soil and plant associated bacterial communities, abundance, diversity and transferability of antibiotic resistance genes	D G Julius Kühn Institute (JKI), Germany
-. -.)	Global Health Risks Lurking in Livestock Resistome	D E Northwest A&F University, China
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. .(	Microbial Pathways to Soil Health: Scaling from Genes to Ecosystems	D 6 5 Northern Arizona University, United States
.( .	Rhizobial 3MST regulates soybean nodulation via persulfidation of host RbohB	8 Northwest A&F University, China
. .	Beyond the Root: Microbial Contributions to Plant Growth and Resilience	D D Technical University of Munich, Germany
. .)	The Many Faces of T6SS: From Bacterial Interactions to Eukaryotic Targeting	D G Northwest A&F University, China
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(. ).	Organic carbon remineralization in some surprising places in Arctic soils	D University of Southern California, United States
). ).	Ants modify carbon cycling and organic matter stability in soil	D : Northwest A&F University, China
). ).)	Exploring the role of the soil microbiome as predictor of ecosystem multifunctionality in Europe	8 : F Swiss Federal Institute of Technology Lausanne, Swiss
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. .(	A geological timescale for bacterial evolution and oxygen adaptation	D University of Bath, United Kingdom
.( .	Sustainable Biomanufacturing of Aromatic Chemicals by Synthetic Biology	D Northwest A&F University, China
. .	Healthy Soils, Healthy Planet: Integrating Microbiomes into One Health Policy	8 5 5 Leibniz Institute for Agricultural Engineering and Bioeconomy, Germany
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