

Program

Monday, 09/01				
09:00	Opening Prof. Dr. Helge Bode			
09:30	Organization Dr. Nicole Paczia			
10:00 - 13:00	<table border="1"> <tr> <td>Workshop 1 – Making the most out of your Postdoc</td> <td>Workshop 2 – The Art of Communication for Leaders</td> <td>Workshop 3 – Empowering you performance with presence</td> </tr> </table>	Workshop 1 – Making the most out of your Postdoc	Workshop 2 – The Art of Communication for Leaders	Workshop 3 – Empowering you performance with presence
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10:40	Coffee break			
13:00	Lunch + Poster Session 1 Early Career Researchers			
14:00 - 17:00	<table border="1"> <tr> <td>Workshop 1 – Making the most out of your Postdoc</td> <td>Workshop 2 – The Art of Communication for Leaders</td> <td>Workshop 3 – Empowering you performance with presence</td> </tr> </table>	Workshop 1 – Making the most out of your Postdoc	Workshop 2 – The Art of Communication for Leaders	Workshop 3 – Empowering you performance with presence
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17:00	Coffee Break			
17:10	Session 1 – Mechanisms and Models of Microbial Evolution and Genomic Innovation Chair: Delfina Pereira, Ph.D.			
18:10	Dinner			
19:10	Poster Session 2 Early Career Researchers			

Tuesday, 09/02	
09:00	Coenzymes as connection between mineral-based and enzymatic catalysis en route to protometabolism Dr. Martina Preiner
09:20	From small size to big influence: small proteins modulate bacterial virulence Dr. Jing Yuan
09:40	Leveraging orthogonality to escape the limitations of bioproduction Dr. Maren Nattermann
10:00	Real-time dynamics of cellular processes in bacteria Prof. Dr. Victor Sourjik
10:20	Fixing Carbon-fixation: Rebuilding photosynthesis with synthetic biology Prof. Dr. Tobias Erb
10:40	Coffee Break
11:00	Session 2 - Engineering Biology for a Sustainable Carbon Future Chair: Dr. Maren Nattermann
12:10	Coffee Break
12:20	Session 3 - Discovery and Design of Bioactive Compounds Chair: Dr. Li Su
13:10	Lunch + Poster Session 3 – Infrastructure
14:10	Decoding and Taming Nitrogenases for CO ₂ Conversion Dr. Johannes Rebelein
14:30	Structure analysis of the Type IV pilus machine from <i>Myxococcus xanthus</i> reveals a novel component Dr. Anke Treuner-Lange
14:50	Decoding Microbial Stress: The Hidden Role of Adenosine Dinucleotides Prof. Dr. Gert Bange
15:10	The secret nightlife of phototrophs Dr. Judith Klatt
15:30	Natural Products in Organismic Interactions Prof. Dr. Helge Bode
15:50	Coffee Break
16:00	Session 4 - Cooperation, Conflict, and Communication in Microbial Worlds Chair: Dr. Irina Kalita
17:00	Coffee Break
17:10	Session 5 - Microbiomes and Microbes in Agriculture and Plant Health Chair: Dr. Anke Treuner-Lange
18:10	Dinner
19:10	Poster Session 4 - Meet the Faculty

Wednesday, 09/03			
09:00 - 13:00	<table border="1"> <tr> <td>Workshop 4 – Future perspectives and strategic career planning</td> <td>Workshop 5 – Funding opportunities and key aspects of grant proposal writing</td> </tr> </table>	Workshop 4 – Future perspectives and strategic career planning	Workshop 5 – Funding opportunities and key aspects of grant proposal writing
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16:00	Coffee Break		
16:10	Wrap-Up and Good-Bye		

Talks

Monday		Tuesday		Tuesday	
17:10	Session 1 – Mechanisms and Models of Microbial Evolution and Genomic Innovation	11:00	Session 2 – Mechanisms and Models of Microbial Evolution and Genomic Innovation	16:00	Session 4 – Cooperation, Conflict, and Communication in Microbial Worlds
17:20	Natalia Mrnjavac From LUCA to Life: Tracing the Metabolic Transitions to Bacteria and Archaea	11:00	Amelia Bergeson Biological Strategies for Plastic Upcycling: From Enzyme Optimization to Whole-Cell Degradation Systems	16:00	Anaïs Biquet-Bisquert Dynamic Landscapes of the Proton Motive Force in Single Bacterial Cells
17:30	Lavisha Parab Trade-Offs in Bacterial Evolution: Prophage maintenance can be costlier than phage resistance via surface receptor modifications	11:10	Anna Christina Ngo Modular Enzymatic Cascades for Methanol Valorization: Toward a Circular C1 Bioeconomy	16:10	Cristina Palma Spo0A~P oscillatory dynamics are the primary cause for biofilm matrix deactivation
17:40	Prachitha Nagendra Gene Flow and Adaptive Evolution: Insights from Experimental Evolution in Yeast	11:20	Antonia Ebert Engineering Hydrogenophaga pseudoflava for Multi-C1 Substrate Assimilation from Waste Gases	16:20	Olajumoke Ajao Yewande From Solitary Predators to Social Hunters: Exploring Microbial Cooperation in Bdellovibrio and Myxococcus
17:50	Mamantia Constantinou A Novel Role for the Histone Acetyltransferase Nat4 in the DNA Damage Response of <i>S. cerevisiae</i>	11:30	Neha Bansal Rewiring C1 metabolism for autotrophic CO ₂ conversion	16:30	Rhian Marie Ford Uncovering the Role of Polyamines in the Predatory Life Cycle of Bdellovibrio bacteriovorus HD100
18:00	Kayleigh Ellen Phillips Uncovering and Characterizing Native Myxobacterial Plasmids for Genetic Tool Development	11:40	Laura Beth Quinto A versatile approach to genome-scale rewriting in Cyanobacteria	16:40	Elizabeth Riana Dwi Unraveling Respiratory Syncytial Virus Diversity in Laos Through Genomic Surveillance
18:10	Yazhini Arangasamy MAGmax: An Efficient Bin Merging and Dereplication Tool for High-Quality Metagenome-Assembled Genomes	11:50	Emily Radley De Novo Design of Metalloenzymes for Efficient and Selective CO ₂ -to-CO Conversion	16:50	Sara Šreibr Investigating Host-Induced Activation and Protein Secretion in the Entomopathogenic Nematode Heterorhabditis bacteriophora
		12:00	Anna Kohn Engineering photoenzymes for synthetically useful transformations		
		12:20	Session 3 – Discovery and Design of Bioactive Compounds	17:10	Session 5 – Microbiomes and Microbes in Agriculture and Plant Health
		12:20	Anitra Zile Isolation of Actinobacteria from Unique Biotopes in Latvia and Bioactivity-Guided Discovery of Natural Products	17:20	Angélica Mariana Jara Servín Exploring the Root Microbiome and Genomic Adaptation of Soil Bacteria
		12:30	Chidoh Kootlole NMR-Based Metabolomic Profiling and Anti-Leukemic Potential of Maytenus senegalensis	17:30	Daniela Ramirez-Sanchez A Genome-Wide Association Study Reveals the Genetic Architecture of Arabidopsis thaliana in Response to Non-Pathogenic Bacterial Species
		12:40	Kesi Kurnia Engineering Acinetobacter baylyi ADP1 for production of flavonoids from lignin derived aromatics	17:40	Jana Ordon Chromosomal barcodes for simultaneous tracking of near-isogenic bacterial strains in plant microbiota
		12:50	Golsa Nayeb Ghanbar Hosseini Uncovering the Ecological and Evolutionary Drivers of Chemical Diversity in Streptomyces	17:50	Vanessa Nya Dinango Desert-Derived Endophytes as Biocontrol Agents Against Fusarium verticillioides in Maize
		13:00	Sukanya Bhowmick CglA: A Novel Glycopolymer Ligase Linking Cell Wall Biogenesis and Developmental Robustness in filamentous Streptomyces	18:00	Helen Katharine Feord Cellular Mechanisms of Algal Survival in the Terrestrial Cryosphere: Insights from Glacier Bloom Communities