

Thursday, 26th September 2019

1:30 pm Welcome Dina Grohmann

Session I: Molecular Biology of Archaea

1:35 pm Archaeal RNA stabilization mechanisms Lennart Randau (Marburg)

1:55 pm Life and Death of ribosomes in archaea Sébastien Ferreira-Cerca (Regensburg)

2:15 pm Archaeal proteins and NMR Remco Sprangers (Regensburg)

2:35 pm Small but effective Ruth Schmitz-Streit (Kiel)

2:55 pm Coffee break

Session II: Archaeal Cell Biology

3:25 pm Vital role of the S-layer from *S. solfataricus* revealed by CRISPR-mediated gene silencing Christa Schleper (Wien)

3:45 pm The archaeellum: how archaea swim Sonja-Verena Albers (Freiburg)

4:05 pm Gas vesicle formation in Haloarchaea Felicitas Pfeifer (Darmstadt)

Re-Opening of the Archaea Fermentation Facility

4:30 pm **KEYNOTE LECTURE / FESTVORTRAG** **KARL-OTTO STETTER**
"Kultivierung des Unmöglichen" -
Entwicklung des Biotechnikums
an der Universität Regensburg

5:05 pm Welcome by the Vice President of the University of Regensburg Prof. Dr. Nikolaus Korber

Welcome by the Dean of the Faculty of Biology and Preclinical Medicine Prof. Dr. Inga Neumann

5:45 pm Re-opening and tour of the Archaea Fermentation Facility

6:45 pm Dinner



Friday, 27th September 2019

Session III: Archaeal Metabolism and Enzymes

8:30 am Energy conservation in methanogenic archaea Uwe Deppenheimer (Bonn)

8:50 am Aromatic compounds in archaea: rather a building block than a carbon and energy source? Matthis Boll (Freiburg)

9:10 am Diversity of autotrophic CO₂ fixation pathways in thermophiles Ivan Berg (Münster)

9:30 am Relationship of catalysis and active site loop dynamics in a (β α)₈-barrel enzyme from *S. solfataricus* Reinhard Sterner (Regensburg)

9:50 am Sulfolobus - From genome to function and application Bettina Siebers (Duisburg - Essen)

10:10 am Scientific concept changes obtained with halophilic archaea Jörg Soppa (Frankfurt)

10:30 am Coffee break

Session IV: Diversity of archaea and archaeal viruses

11:00 am **KEYNOTE LECTURE** **THIJS ETTEMA**
TBA **(Wageningen)**

11:35 am Archaeal parasites in the continental subsurface Alexander Probst (Duisburg - Essen)

11:55 am Archaeal Virology: An archaeal plasmid goes viral Susanne Erdmann (Bremen)

12:15 pm From extremophiles to omnipresent microorganisms: archaea in the context of the (human) microbiome Christine Moissl-Eichinger (Graz)

12:40 pm Concluding Remarks Dina Grohmann

