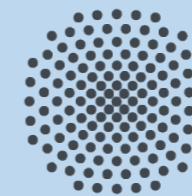


Chemistry meets Biology - Digital Workshop for *PhD* Students

4th and 5th February 2021



University of Stuttgart
Germany

Program for 4th February 2021

Session 1

- Click to join session 1:
<https://unistuttgart.webex.com/unistuttgart/j.php?MTID=m8c37405f5cf63214f9d5c91fe6f9cdc6>
- ID: 121 360 3694
PW: MhnJ3patN26
- 20 min talks in English, 5 min discussion

10:00 – 10:25

Lukas Koch, AK Stubenrauch

Emulsion Templating: Unexpected Structures in Macroporous Polystyrene

10:25- 10:50

Armin Löwe, AK Klemm

CO₂ Electroreduction to Formate / Formic Acid using Gas Diffusion Electrodes

10:50 – 11:15

Julia Beerhues, AK Sarkar

Tailored Design of Mesoionic Carbene Complexes of the Triazolylidene Type

11:15 – 11:40

Andreas Schneider, AK Hauer

Directed cationic cyclizations

11:40 – 12:00

Olivia Doppleb, AK Richert

Controlling Amino Acid Polymerization with Folded RNA

Lunch Break

Session 2

- Click to join session 2:
<https://unistuttgart.webex.com/unistuttgart/j.php?MTID=mf26a142c85acae4664ec58e98d36a5d8>
- ID: 121 834 5568
PW: Za2gqAWr4Y9
- 20 min talks in English, 5 min discussion

14:00 – 14.25

Vincent Kadiri, AK Fischer

Biocompatible Hybrid Nanomaterials Enabling Biomedical Applications

14:25 – 14:50

Robert Walter, AK Sarkar

Cooperative Effects in Redox-Switchable Gold Catalysis

14:50 – 15:15

Steffen Helbich, AK Engesser

*The degradation pathway of 2-methylpropene elucidated on the genetic level in *M. paragordoniae* IBE200*

15:15 – 15:40

Jan Müller, AK Takors

*Modeling of transcription and translation in *E. coli**

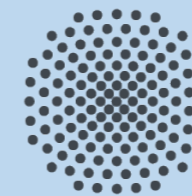
15:40 – 16:00

Jan Range, AK Pleiss

EnzymeML - a data exchange format for biocatalysis and enzymology

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Session 3

- Click to join session 3:
<https://unistuttgart.webex.com/unistuttgart/j.php?MTID=mf27dc8046da64492efcb4e19f0b5d565>

- ID: 121 475 6696
PW: kbAHbag4Z25

- 20 min talks in English, 5 min discussion

9:30 – 9:55

Erik Eppinger, AK Stolz

Enantioselective synthesis of non-proteinogenic amino acids by bacterial nitrilases

10:00 – 10:25

Robin Schuldt, AK Kästner

Methods for the Analysis of Confined Geometries/COFs

10:25 – 10:50

Jan Günther, AK Fischer

Advanced Diffusion Studies of Active Enzymes and Nanosystems

10:50 – 11:15

Lea Rapp, AK Hauer

Substrate anchoring and flexibility reduction in CYP153AM.aq leads to highly improved activity towards octanoic acid

11:15 – 11:40

Vukoslava Miskov-Pajic, AK Peters

Enantiodivergent [4+2] Cycloaddition of Dienolates by Polyfunctional Lewis Acid/Zwitterion Catalysis

11:40 – 12:00

Martina Kiel, AK Engesser

Novel cis-dihydroxylated derivatives of benzoic acid: biotechnological production and relevance in benzoate biodegradation

Lunch Break

Session 4

- Click to join session 4:
<https://unistuttgart.webex.com/unistuttgart/j.php?MTID=m31ead783a240478207d545d357250b88>

- ID: 121 486 8160
PW: Y9mz2Xwsxf7

- 20 min talks in English, 5 min discussion

14:00 – 14.25

Hanna Rosigkeit, AK Jendrossek

*Functions of the inorganic biopolymer polyphosphate in *Ralstonia eutropha**

14:25 – 14:50

Andreas Ulmer, AK Takors

Producing Yoghurt: Cooperation and competition between lactic acid bacteria

14:50 – 15:15

Yannick Stöckl, AK Laschat

Stereoselective Syntheses of 5/6/5- and 5/6/6-Membered Tricyclic Natural Product Scaffolds

15:15 – 15:40

Celina Hellenbroich, AK Jendrossek

*Polyphosphate in *Agrobacterium tumefaciens**

15:40 – 16:00

Julius Knöller, AK Laschat

Boron-Doped Triarylaminines - Towards Stable and Highly Luminescent Materials

END