

Xmas H₂ase Mini-Symposium 2020
December 15 | online (Zoom)

9:30 am CET
Opening Remarks

BIOLOGY OF HYDROGENASE

Chair: Sven T. Stripp

9:45 | Constanze Pinske (Halle, DE)

The Proton Before Christmas

10:15 | Henrik Land (Uppsala, SWE)

[FeFe]-Hydrogenase Biodiversity –

Expanding the Toolbox of H₂ Producing Biocatalysts

10:45 am CET
Coffee Break @ gather.town

APPLICATIONS & BIOMIMETIC CHEMISTRY

Chair: James Birrell

11:15 | Holly Jane Redman (Uppsala, SWE)

*It's Beginning to Look a lot like Hydrogenase –
Synthetic Outer Coordination Spheres in Cofactor Mimics*

11:45 | Florian Wittkamp (Bochum, DE)

*The Active Site Cofactor of [FeFe]-Hydrogenase
as a Chemical Construction Set?*

12:15 | Steffen Hardt (Bochum, DE)

*Reversible H₂ Oxidation and Evolution
by Hydrogenase Embedded in a Redox Polymer Film*

12:45 pm CET
Real Life Lunch Break

BIOASSEMBLY & COUPLED REACTIONS

Chair: Livia S. Meszaros

2:00 | Giorgio Caserta (Berlin, DE)

*Bioassembly of [NiFe]-Hydrogenase –
Elucidation of Maturation and Catalytic Intermediates*

2:30 | Elisabeth Lettau (Berlin, DE)

*Design of Chimeric Hydrogenases for Light-driven H₂
Production with O₂ Tolerance and Ferredoxin Interaction*

3:00 pm CET

Coffee Break @ gather.town

UNDERSTANDING CATALYSIS

Chair: Patricia Rodriguez Macia

3:30 | Christian Lorent (Berlin, DE)

Studying Hydrogenases by a New Experimental Approach

4:00 | Christina Felbek (FR) & **Andreas Rutz** (DE)

A Safety Cap Protects Hydrogenase from O₂ Attack

4:40 | Jiaao Wei (Oxford, GB)

*Probing Iron-Sulphur Long-range Effects and Redox States
by Incorporating Unnatural Amino Acids*

5:10 pm CET

Concluding Remarks

After Party @ gather.town

Please log-in 9:15 am CET
using **ZOOM ID 846 5818 3035**
(disable audio & video)

BIOLOGY OF HYDROGENASE



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APPLICATIONS & BIOMIMETIC CHEMISTRY



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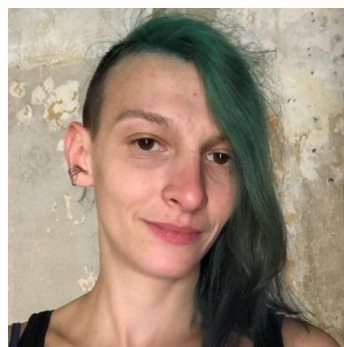


Steffen Hardt
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BIOASSEMBLY & COUPLED REACTIONS



Giorgio Caserta
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Elisabeth Lettau
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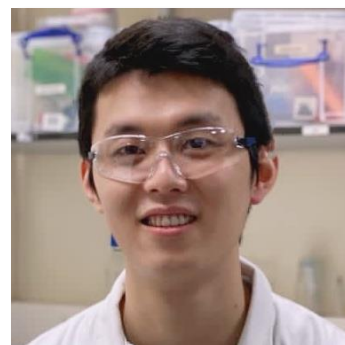
UNDERSTANDING CATALYSIS



Christian Lorent
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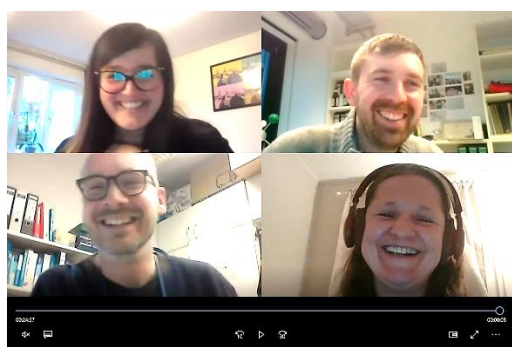


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