UniSysCat Retreat

Start Time: Monday, February 10, 2020 02:00 pm

End Time: Wednesday, February 12, 2020 06:00 pm

Over the course of three days, researchers at UniSysCat can go to various presentations by the different group leaders within UniSyscat and learn about current research topics and affairs within the organisation. A full list of presentations and times at which they will be presented can be found below.

10.02.2020

14:00	**A:** Activation of Small Molecules: Synergistic Interaction and the effect of inter-metallic Distances (Kallol Ray)
14:50	**A:** Material Systems for Catalysis (Reinhard Schomäcker)
15:40	**Coffee Break**
16:20	**A:** Operando X-ray and Raman spectroscopy (Holger Dau)
16:45	**A:** Machine Learning (Michael Gastegger)
17:05	**B:** Natively coupled enzymes – CODHs and ATP-driven electron transfer (Holger Dobbek)
18:00	**End**

11.02.2020

14:00	**B**: How controlled complex formation can be applied in electron transfer reactions (Silke Leimkühler)
14:50	**B:** Coupled enzymatic processing in lanthipeptide synthetases

	(Roderich Süssmuth)
15:40	**Coffee Break**
16:20	**C:** (Semi-)artificial O_2-activating catalysts (Christian Limberg)
16:45	**C:** Biocatalyst-material hybrids (Ingo Zebger)
17:05	**C:** Chemzymes (Oliver Lenz)
18:00	**End**

12.02.2020

14:00	**D:** Photo-/Electrocatalytic reductions: Theory (Peter Saalfrank)
14:20	**D:** Photo-/Electrocatalytic Wittig Reactions (Matthias Driess)
14:50	Introduction to area E (Peter Hildebrandt)
15:00	**E:** Spectroscopic odyssey: study of fluorescent voltage sensors QuasArs (Arita Silapetere)
	E: Investigation of the voltage sensitivity of Arch-3 by computational methods (Tillmann Utesch)
15:40	**Coffee Break**
16:15	**E:** Triggering membrane tension and proton gradients by light (Fucsia Crea/Aoife Murnin)
16:50	**E:** Structure and Dynamics of the Rhomboid Protease GlpG in Liposomes Studied by Solid-State NMR (Carl Oester/Claudia Bohg)
17:25	**E:** Controlling inositol kinase activity with photoswitchable inhibitors (Tim Kröber)
18:00	**End**