

Friday, January 10th, 2014

Location: C130 (TU Berlin, Straße des 17. Juni 115, 10623 Berlin, C Building)

Interested guests are cordially welcome to attend!

Time	Program	Lecturer	Work Group
10:00-10:10	Introduction	Martin Oestreich, BIG-NSE Director	
	Session moderation	Martin Oestreich	
10:10-10:30	Transition metal-catalyzed insertion of Indolynes into interelement bonds	Manish Pareek	Martin Oestreich
10:30-10:50	4-Amino-4-deoxychorismate synthase (ADCS): Study on its structure, catalytic mechanism, and inhibition with abyssomicin C	Linda Sukmarini	Roderich Süßmuth
10:50-11:10	Heterologous-expression, production and isolation of Curvopeptin in <i>Escherichia coli</i> and <i>Streptomyces lividans</i>	Mingjian Wang	Roderich Süßmuth
11:10	Coffee Break		
	Session moderation	Peter Hildebrandt	
11:30-11:50	Spectroscopic investigations on biological and biomimetic complexes for oxygen reduction	Patrycja Kielb	Ines Weidinger
11:50-12:10	The soluble, NAD ⁺ -reducing hydrogenase from <i>Ralstonia eutropha</i> H16 and its application	Janina Preissler	Oliver Lenz
12:10-12:30	Soluble [NiFe] hydrogenase: Vibrational spectroscopy of catalytic intermediates	Stefan Wahlefeld	Peter Hildebrandt
12:30	Lunch Break		
	Session moderation	Matthias Driess	
13:40-14:00	Bioinspired heterobimetallic nickel iron complexes for understanding H ₂ ase and CODH catalysis	Nils Lindenmaier	Matthias Driess
14:00-14:20	Surface functionalised and nanostructured transparent conducting electrodes – Towards a platform for (bio)electrocatalysis	Tomos Harris	Anna Fischer
14:20-14:40	Bioinspired solid catalysts for the hydroxylation of methane	Ha Le Vu	Arne Thomas
14:40	Coffee Break		
	Session moderation	R. Schomäcker	
15:00-15:20	OCM using molten salts - From theoretical understanding to catalyst design	Roman Schmack	Ralph Krähnert
15:20-15:40	Surface microkinetic modelling of the OCM reaction in the presence of Mn-Na ₂ WO ₄ / SiO ₂ catalyst	Samira Parishan	Reinhard Schomäcker
15:40-16:00	Synthesis of mixed-valence vanadium precursors for catalyst design	Javier Mora Silva	Matthias Driess, Robert Schlögl, Frank Rosowski
16:00	Coffee Break		
	Session moderation	Frank Rosowski	
16:20-16:40	Synthesis of supported molten salt catalysts for the oxidative coupling of methane	Hamideh Ahi	Annette Trunschke, Robert Schlögl, Frank Rosowski
16:40-17:00	Hydrothermal synthesis of phase pure mixed metal oxides for the oxidative coupling of methane	Xuan Li	Annette Trunschke, Robert Schlögl, Frank Rosowski
around 17:00	UniCat New Year Reception		