

6th BIG-NSE Workshop and UniCat New Year Reception

Friday, January 11th, 2013

Location: C130 (TU Berlin, Chemistry Building)
Interested guests are cordially welcome to attend!

Time	Programme	Lecturer	Work Group
12:50	Introduction	Prof. Martin Oestreich, BIG-NSE director	
	Session moderation:	Dr. Matthias Schwalbe	
13:00	Quantum-chemical studies on CO- and CO ₂ -activation by metalloenzymes	Shadan Ghassemi	AG Kaupp
13:20	Hetero-Pacman complexes as catalysts for water oxidation	Laura Carolina Pardo Peres	AG Schwalbe
13:40	Activation of C-H bonds mediated by late transition metal complexes with intramolecular metal- Lewis acid interaction	Ines Monte Peres	AG Ray
14:00	Coffee Break		
	Session moderation:	NN	
14:20	Consistent process development of marine heterotrophic bioprocesses in wave mixed bioreactors	Andri Hutari	AG Neubauer
14:40	Cellular responses in two conditions in large-scale fed-batch bioprocess: effects on the product synthesis in <i>E.coli</i>	Ping Lu	AG Neubauer
15:00	Manipulation and evaluation of the biological activity of ribosomally synthesized peptides	Jonas Lohse	AG Budisa
15:20	Coffee Break		
	Session moderation:	Prof. Andreas Möglich	
15:40	Metabolic engineering of O-acetylserine sulphurhydrylase and Cys-biosynthetic pathway in <i>Escherichia coli</i>	Ying Ma	AG Budisa
16:00	Mechanistic study of the gating of channelrhodopsins and engineering of optogenetic tools	Johannes Vierock	AG Hegemann
16:20	Synthesis of multiple shapes and sizes of gold nanoparticles and cytotoxic effects of gold nanoparticles	Fang Ren	AG Lensen
16:40	Coffee Break		
	Session moderation	Prof. Peter Strasser	
17:00	Structure-activity investigations of mixed Ni-Fe oxides as catalysts for the water splitting reaction	Mikaela Görlin	AG Strasser
17:20	Large scale production of SBA-15 for testing in oxidative coupling of methane reactors on a mini-plant scale	Maria Colmenares	AG Görke
17:45	UniCat New Year Reception		

The reception will take place on the gallery in the 1st floor of Building C, TU Berlin, Straße des 17. Juni 115, 10623 Berlin