

5th workshop of the graduate school „Fluorine as a key element”

Program

20.11.2014

14:00 – 15:00	Prof. Frohn	From xenon fluorides to xenon-carbon compounds: a summary of synthetic methodologies
Block 1	Clemens Scholtysik	Bioinorganic/-organic chemistry
15:00 – 15:20	Federica Agostini	From enzymatic in vitro and in vivo production of fluorinated amino acids to fluorine-based bacteria
15:20 – 15:40	Susanne Huhmann	Effects of single substitutions with hexafluoroleucine and trifluorovaline on the hydrophobic core formation of a heterodimeric coiled coil
15:40 – 16:00	Jan Völler	Efforts for in vivo translation of (S)-4,4,4-trifluoroethylglycine (TfeGly)
16:00 – 16:20	Carsten Lüdtke	Synthesis of new fluorinated 1,10-phenanthrolines and its Cu(II) complexes
16:20 – 16:50		Tea time / coffee
Block 2	Annika Meyer	Organometallic chemistry
16:50 – 17:10	Juliane Krüger	Sc- and Ti-catalyzed hydrodefluorination
17:10 – 17:30	Josefine Berger	Fluorination of alkynes with platinum complexes
17:30 – 17:50	Theresia Ahrens	C–F and C–H Activation reactions of fluorinated molecules at a rhodium(I) germyl complex
17:50 – 18:10	Darina Heinrich	Cobalt complexes of cyclic π -perimeters with fluorinated substituents

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Block 3	Josefine Berger	Inorganic chemistry
9:30 – 9:50	Clemens Scholtysik	Steps towards organometallic technetium fluorides
9:50 – 10:10	Moritz Malischewski	One-electron oxidation of inorganic compounds
10:10 – 10:30	Stefan Ellrodt	Hypervalent iodine compounds
10:30 – 11:00		Tea time / coffee
11:00 – 12:00	Prof. Frohn	The transfer of carbon-nucleophiles in super-acidic media
12:00 – 13:30		Lunch
Block 4	Lisa Mann	Mixed chemistry
13:30 – 13:50	Annika Meyer	Molecular tweezers based on bridged corannulenes
13:50 – 14:10	Matthias Berg	Rotationally adiabatic pair interactions of para- and ortho-hydrogen with the halogen molecules F ₂ , Cl ₂ , and Br ₂
14:10 – 14:30	Alexander Rehmer	Formation of nanoscopic calcium fluoride via Sol-Gel synthesis
14:30 – 14:50	Benjamin Ritter	Synthesis and characteristics of rare earth doped nano-CaF ₂
14:50 – 15:10	Beatriz Calvo	Partnership between nanoscale Lewis acidic aluminium and organometallic compounds