

**6th PhD workshop of the research training group „Fluorine as a key element“
Program**

Thursday 15.10.2015

12:00-13:30		lunch
13:30-14:30	Prof. Santos Fustero	FLUORINATED DERIVATIVES MEDIATED BY TRANSITION METALS
Chairwoman	Isabella Tolle	
14:30-14:45	Dr. Beatriz Calvo	<i>Potential of nanoscale Lewis acidic aluminium chlorofluoride in activation of C-H and C-F bonds</i>
14:45-15:00	Josefine Berger	<i>Fluorination of Alkynes with Platinum complexes</i>
15:00-15:15	Theresia Ahrens	<i>C-F and C-H Activation Reactions of Fluorinated Molecules at a Rhodium(I)Germyl Complex</i>
15:15-15:30	Stefan Scheifler	<i>Silver and Gold Complexes in Fluorination Reactions</i>
15:30-16:00		Coffebreak
Chairman	Stefan Mahn	
16:00-16:15	Cortney von Hahmann	<i>Fluorinated Hypervalent Sulfur Compounds in Synthesis</i>
16:15-16:30	Marcel Heise	<i>Mechanochemical synthesis, structure and properties of solutions of alkaline earth fluorides: $M_{1-x}M'_x F_2$</i>
16:30-16:45	Benjamin Ritter	<i>Fluorolytic Sol-Gel Synthesis and Characteristics on Luminescence of Rare Earth Doped nano SrF₂</i>
16:45-17:00	Christoph Schlaich	<i>Superhydrophobic Surfaces Based on Mussel-Inspired Dendritic Polymers</i>
Chairman	Mathias Ellwanger	
17:00-17:15	Juliane Krüger	<i>Scandocene Complexes for C-F Bond Activation</i>
17:15-17:30	Darina Heinrich	<i>Facile Synthesis of Cyclopentadienes with Fluorinated Side Chains</i>
17:30-17:45	Alma D. Jaeger	<i>C-F Bond Activation Catalyzed by Hydrido Complexes of the Rare Earth Metals</i>
17:45-18:00	Axel Haupt	<i>Corannulene mit stark elektronenziehenden Gruppen</i>
18:00-19:30		Dinner

Friday 16.10.2015

8:30-9:30	Prof. Santos Fustero	<i>Stereoselective Routes Towards Chiral Fluorinated Building Blocks</i>
Chairman	Christoph Schlaich	
9:30-9:45	Mathias Ellwanger	<i>Gold Trifluoride - Starting Material for Organogold Compounds?</i>
9:45-10:00	Lisa Mann	<i>Stabilisation of Polybromide Anions by Different Substituted Bromotriphenylphosphonium Cations</i>
10:00-10:15	Anja Wiesner	<i>Weakly coordinating anions based on teflates</i>
10:15-10:30	Steffan Ellrodt	<i>Hypervalent organoiodine compounds in the Oxidation state +3 and +5.</i>
10:30-10:45	Moritz Malischewski	
10:45-11:15		Coffebreak
Chairman	Axel Haupt	
11:15-11:30	Rita Fernandes	<i>Fluorine Modification of Ubiquitin</i>
11:30-11:45	Susanne Huhmann	<i>Influence of fluorinated amino acids on the proteolytic stability of model peptides</i>

11:45-12:00	Stella Vukelic	<i>Synthesis of Fluorinated Amino Acids in Flow</i>
12:00-12:15	Federica Agostini	Site-specific and proteome-wide incorporation of fluorinated amino acids in <i>Escherichia coli</i>
12:15-12:30	Stefan Oehm	<i>Adaptation and Evolution of E. coli towards non-canonical amino acid usage</i>
12:30-13:30		LUNCH
Chairwoman	Cortney von Hahmann	
13:30-13:45	Sebastian Doniz Kettenmann	<i>Oxidation of decamethylmetallocenes with powerful oxidants</i>
13:45-14:00	Matthias Berg	<i>Prediction of the stability of hairpin conformers of partially fluorinated alkanes</i>
14:00-14:15	Johannes Budau	<i>Aluminium(oxo)hydroxides - The effect of fluorination on the bulk structure and the adsorption of water</i>
14:15-14:30	Zeinab Kaawar	<i>Alkaline earth metal fluorides: A theoretical study</i>
14:30-15:00		Coffebreak
15:00		End of the workshop