

**7th PhD workshop of the research training network „Fluorine as a key element“  
Program**

**Wednesday 20.04.2016**

12:00-13:00		<b>Lunch</b>
13:00-14:00	Prof. Florian Kraus	t.b.a.
Chairman	<b>Stefan Scheifler</b>	
14:00-14:15	Alma Jaeger	Organocatalytic Hydrodefluorination
14:15-14:30	Cortney von Hahmann	Reactive Rhodium-Silyl Complexes in C-F Activation Syntheses
14:30-14:45	Dr. Beatriz Calvo	Potential of nanoscale Lewis acidic aluminium chlorofluoride in the activation of C-H and C-F bonds
14:45-15:00	Marcel Heise	Mechanochemical Synthesis of Alkaline Earth Metal Fluorides
15:00-15:15	Benjamin Ritter	Fluorolytic Sol-Gel Synthesis and Characteristics on Luminescence of Rare Earth Doped <i>nano</i> SrF <sub>2</sub>
15:15-15:30	Stefan Mahn	Synthesis and Application of nano-metal fluorides dental medicine
15:30-16:00		<b>Coffeebreak</b>
Chairwoman	<b>Lisa Mann</b>	
16:00-16:15	Zeinab Kaawar	Stability and characterization of divalent metal fluorides from periodic calculations
16:15-16:30	Florian Schütz	Effects of chloride additives on the mechanical stability and environmental durability of porous MgF <sub>2</sub> antireflective thin films
16:30-16:45	Johannes Budau	Aluminum(oxo)hydroxides - The effect of fluorination on the bulk structure
16:45-17:00	Sebastian Doniz Kettenmann	Prodigiousin Derivatives as Potential Ligands for Metallonucleases
Chairman	<b>Jan Hendrick Nissen</b>	
17:00-17:15	Susanne Huhmann	Towards fluorinated HIV-1 fusion inhibitors
17:15-17:30	Isabella Tolle	Adaptation of a Leucine-Auxotrophic MG1655 Derivative to 5,5,5,-Trifluoroleucine
17:30-17:45	Federica Agostini	<i>In vivo</i> incorporation of fluorinated amino acids into proteins
17:45-18:00	Stella Vukelic	Flow Synthesis of Hydantoins
18:00-19:30		<b>Dinner</b>

**Thursday 21.04.2016**

8:00-9:30		<b>Breakfast</b>
9:30-10:30	Prof. Florian Kraus	t.b.a.
Chairman	<b>Florian Schütz</b>	
10:30-10:45	Mathias Ellwanger	Gold trifluoride - Route to Fluoroorganogold Compounds?
10:45-11:00	Stefan Scheifler	Silver and Gold Complexes in Fluorination Reactions
11:00-11:30		<b>Coffeebreak</b>
Chairwoman	<b>Federica Agostini</b>	
11:30-11:45	Axel Haupt	Chalcogenides of Corannulene
11:45-12:00	Matthias Berg	Method of increments calculations of perfluoroalkylalkane hairpins

12:00-12:15	Moritz Malischewski	Two-electron-oxidation of permethylated substrates: decamethylmetallocenes & hexamethylbenzene
12:15-12:30	Lisa Mann	Poly- and Interhalides of the Cobaltocenium Cation
12:30-12:45	Stefan Ellrodt	Hypervalent organoiodine compounds in the oxidation states +III and +V
12:45-13:00	Anja Wiesner	Investigation of New Teflate Compounds
13:00-14:00		<b>Lunch</b>
Chairwoman	<b>Alma Jaeger</b>	
14:00-14:15	Clemens Scholtysik	Rhenium and Technetium complexes with trifluoro/hexafluoroacetylacetonate and trifluoro/hexafluoroacetylacetonate derivatives
14:15-14:30	Jan Hendrick Nissen	Synthesis and Application of fluorinated Peroxides
14:30-15:00		<b>Final remarks</b>
15:00		<b>End of the workshop</b>