

Joint workshop of the FOR630 “Biological function of organometallic compounds” and the IRTG1422 “Metal Sites in Biomolecules: Structures, Regulation and Mechanisms”

Goslar, February 9-12, 2010

**Tuesday, 9<sup>th</sup> Feb. 2010**

- Ca. 15:00           Arrival in Goslar at “Haus Hessenkopf”
- 15:00-16:00           Coffee and Cake**
- 16:00-16:20           Reception**
- 16:20-17:00       **Prof. Dr. Franc Meyer** (Göttingen, IRTG)  
„Metals in Biology“
- 17:00-17:40       Introduction of the group members of the IRTG
- 17:40-18:00       **Prof. Dr. Nils Metzler-Nolte** (Bochum, FOR)  
“Metals in Medicine”
- 18:00-18:20       Introduction of the group members of the FOR
- 18:30-19:30           Dinner**
- 19:30 – open end   Get together

**Wednesday, 10<sup>th</sup> Feb. 2010**

- 8:00-9:00            Breakfast**
- 9:15-10:30          Session I: Wanning Hu**
- 9:15-9:40           **Kathrin Splith** (Neundorf group, Leipzig, FOR)  
“Organometallic compounds and cell-penetrating peptides: A combination with promising features “
- 9:40-10.05       **Magnus Krüger** (Gust group, Berlin, FOR)  
„A New Method of Determining Fluorine-Containing Drugs in Biological Matrix”
- 10:05-10:30       **Steffen Romanski** (Schmalz group, Köln, FOR)  
„Synthesis of bioactive Fe(CO)<sub>3</sub>-complexes”
- 10:30-11:00       **Coffee Break**

- 11:00-12:15**            **Session II: Jan Dittrich**
- 11:00-11:25            **Johanna Niesel** (Schatzschneider group, Bochum, FOR)  
„Manganese tricarbonyl complexes as photoactivable CO releasing molecules“
- 11:25-11:50            **Christopher AG Söderberg** (Al-Karadaghi group, Lund, IRTG)  
„Assembly and stability of yeast frataxin oligomers“
- 11:50-12:15            **Tobias Beck** (G.M.Sheldrick group, Göttingen, IRTG)  
„Experimental phasing with sticky triangles“
- 12:30-13:30**            **Lunch**
- 13:30-16:00**            **Free Time** (Visiting Goslar, time for taking a walk ...)
- 16:00-17:20**            **Session III (Boris Burger)**
- 16:00-16:25            **Vera Konstanzer** (Meyer group, Göttingen, IRTG)  
“News from bioinspired copper-sulfur chemistry”
- 16:25-16:50            **Prof. Dr. Oliver Wenger** (Göttingen, prospective IRTG supervisor)  
"Long-range electron tunneling and proton-coupled electron transfer"
- 16:50-17:15**            **Coffee Break**
- 17:15-18:30**            **Session IV (Thomas Bayer)**
- 17:15-17:40            **Lotta Glans** (Nordlander group, Lund, IRTG)  
„Development of new half-sandwich chloroquine analogues with antimalarial properties“
- 17:40-18:05            **Prof. Dr. Ricardo Mata** (Göttingen, prospective IRTG supervisor)  
"Computation of enzymatic activation barriers through the use of hybrid quantum mechanics/molecular mechanics methods".
- 18:05-18:30            **Dr. Claudia Höbartner** (Göttingen, prospective IRTG supervisor)  
“Chemically modified RNA and DNA catalysis”
- 18:30-19:30**            **Dinner**
- 19:30 - open end        Poster session and beverages

**Thursday, 11<sup>th</sup> Feb. 2010**

- 8:00-9:00**            **Breakfast**
- 9:15-10:30**            **Session V: Hendrik Pfeiffer**
- 9:15-9:40            **Verena Ortmann** (Beck-Sickinger group, FOR)  
“Carbaborane containing NPY analogs as promising breast cancer therapeutics”

- 9:40-10:05 **Philipp Riesterer** (Prokop group, Köln, FOR)  
„New gold compounds induce apoptosis in malignant lymphoma and leukemia cells and overcome resistance to vincristine and doxorubicine”
- 10:05-10:30 **Lukasz Raszeja** (Metzler-Nolte group, Bochum, FOR)  
„Strategies for the cellular uptake of antisense PNA into pancreatic cancer cells “
- 10:30-11:00 **Coffee Break**
- 11:00-12:15 Session VI: David Köster**
- 11:00-11:25 **Igor Kitanovic** (Wölfl group, Heidelberg, FOR)  
„Rhenium tricarbonyl complex of 2-azido-N,N-bis((quinolin-2-yl)methyl)ethanamine Bursts Intracellular ROS and Induces Apoptosis in Different Cells Lines”
- 11:25-11:50 **Riccardo Rubbiani** (Ott group, Braunschweig, FOR)  
“The Glutathione/Thioredoxin Reductase System as Molecular Target for Antiproliferative Gold(I) Carbene Complexes”
- 11:50-12:15 **Alexander Wilbuer** (Meggers group, Marburg, FOR)  
„Discovery of an Iridium Compound as a Highly Selective Flt4 Kinase Inhibitor”
- 12:30-13:30 Lunch**
- 14:30-17:00 Tour around the mines of “Rammelsberg”
- 17:30-18:30 Poster session and beverages**
- 18:30-19:30 Workshop dinner**

**Friday, 12<sup>th</sup> Feb. 2010**

- 8:00-9:00 Breakfast**
- 9:40-10:30 Session VII: Tomislav Argirevic**
- 9:40-10:05 **Malte Kokoschka** (W.S. Sheldrick group, Bochum, FOR)  
„DNA-Intercalation of Iridium(III)-based Bisintercalators
- 10:05-10:30 **Christina Hain** (Diederichsen group, Göttingen, IRTG)  
„ Histidine analog amino acids providing metal-binding sites derived from bioinorganic model systems”
- 10:30-11:00 **Coffee Break**
- 11:00-11:50 Session VIII: Anja Pomowski**
- 11:00-11:25 **Simone Wöckel** (Meyer group, Göttingen, IRTG)  
„Synthetic Models for Metallo- $\beta$ -lactamases “
- 11:25-11:50 **Peer Lukat** (Einsle group, Freiburg, IRTG)

„Structure of the Fe(II)/ $\alpha$ -ketoglutarate dependent dioxygenase PlaO1”

11:50-12:15

Farewells

**12:30-13:30**

**Lunch**

**Departure**