



## The 9th joint seminar University of Münster - Nagoya University.

May 24, 25, 2010. Noyori Materials Science Laboratory.

May 24<sup>th</sup>

**10:00- Opening address: Prof. Kazuyuki Tatsumi**

**Chair: Prof. Kazuyuki Tatsumi**

**10:05-10:35 Prof. Jens Müller**

“Site-Specific Functionalization of Nucleic Acids with Metal Ions”

**10:35-11:00 Associate Prof. Yasuhiro Ohki**

“C-H Bond Activation and Borylation of Heteroarenes Promoted by Half-Sandwich Iron Complexes”

\*\*\*\*\* 11:00-11:20 Coffee Break \*\*\*\*\*

**Chair: Associate Prof. Hiroshi Nakajima**

**11:20-11:45 Assistant Prof. Yasuyuki Yamada**

“Programmable Nanoarrays of Porphyrines and Phthalocyanines”

**11:45-12:15 Prof. Bart-Jan Ravoo**

“Light- and pH-responsive interaction of vesicles ”

**12:15-12:30 Ms. Melanie Rauschenberg**

“Dynamic peptides as biomimetic receptors”

\*\*\*\*\* 12:30-14:00 Lunch \*\*\*\*\*

**Chair: Prof. Shigehiro Yamaguchi**

**14:00-14:30 Prof. Frank Glorius**

“The measure of all rings: NHCs and more”

**14:30-14:55 Assistant Prof. Takashi Fukushima**

“Photochemical Multi-electron Reduction of Ruthenium Complexes Having NAD Analogous Ligands”

**14:55-15:10 Mr. Hendrik Wagner**

“New mehtods for surface modification”

\*\*\*\*\* **15:10-15:30 Coffee Break** \*\*\*\*\*

**Chair: Prof. Kunio Awaga**

**15:30-15:55 Prof. Akiyoshi Hishikawa**

“Visualizing ultrafast chemical reaction by few-cycle intense laser pulses”

**15:55-16:25 Dr. Seda Kehr**

“Functionalization of Zeolite L Monolayers by Microcontact Chemistry and Their Application in Biotechnology ”

**16:25-16:40 Mr. Heng Wang**

“In-situ XAFS studies on Mn<sub>12</sub> molecular cluster batteries ”

**16:40-16:55 Mr. Ryo Nakanishi**

“Fabrication and Characterization of Metal-nanowires encapsulated in Carbon Nanotubes ”

**18:00- Joint Dinner ( Restaurant “Hyaku-raku” )**



**May 25<sup>th</sup>**

**Chair: Prof. Masato Kitamura**

**10:00-10:30 Prof. Gerhard Erker**

“Reactions of Frustrated Lewis Pairs with Alkenes and Alkynes”

**10:30-10:55 Assistant Prof. Shohei Saito**

“Möbius Aromaticity of Expanded Porphyrins”

**10:55-11:25 Dr. Gerald Kehr**

“A Short NMR-Spectroscopic Trip”

\*\*\*\*\* 11:25-11:45 **Coffee Break** \*\*\*\*\*

**Chair: Prof. Kentaro Tanaka**

**11:45-12:15 Prof. Martin Oestreich**

“Asymmetric Si-O Coupling Reactions”

**12:15-12:30 Ms. Kirika Ueda**

“ $\beta$ -Selective C-H Bond Arylation of Thiophenes ”

**Chair: Assistant Prof. Tsuyoshi Matsumoto**

**12:30-13:00 Prof. Bernhard Wunsch**

“Development of a Fluorinated PET Tracer for Imaging of  $\sigma\gamma\mu\alpha$ -<sub>1</sub> Receptors in the Brain ”

\*\*\*\*\* 13:00-15:00 **Lunch and poster session** \*\*\*\*\*

**Chair: Associate Prof. Stephan Irle**

**15:00-15:30 Prof. Ernst-Ulrich Würthwein**

“Novel Coordination Compounds for Supramolecular Architectures”

**15:30-15:45 Ms. Lili Liu**

“Migration behavior of graphene vacancy defects at elevated temperatures ”



**15:45-16:00 Mr. Christoph Glotzbach**

“Oligonitrile-Boron Complexes”

**\*\*\*\*\* 16:00-16:15 Coffee Break \*\*\*\*\***

**Chair: Prof. Kenichiro Itami**

**16:15-16:45 Prof. Armido Studer**

“Nitroso Compounds and Nitroxides in Synthesis”

**16:45-17:00 Mr. Shunsuke Oishi**

“Selective Alcoholysis of  $\beta$ -dicarbonyl Derivatives Catalyzed by  
Aminoorganoboron (AOB) Complexes ”

**17:00- Closing Remarks : Prof. Gerhard Erker**

**18:00- Reception ( Restaurant “Hananoki” )**