



**IRTG**

MS-NG

**International Research Training Group**

Münster / GERMANY - Nagoya / JAPAN

## **The 15th Joint Seminar University of Münster - Nagoya University**

May 20 - 21, 2013. Noyori Materials Science Laboratory.

**May 20<sup>th</sup>**

**10:00- Opening address: Prof. Shigehiro Yamaguchi**

**Chair: Prof. Shigehiro Yamaguchi**

**10:05-10:35 Assoc. Prof. Osami Shoji**

“Use of enzyme malfunction for small alkane hydroxylation”

**10:35-11:05 Prof. Bart-Jan Ravoo**

“Soft and responsive materials based on cyclodextrin vesicles”

**\*\*\*\*\* 11:05-11:20 Coffee Break \*\*\*\*\***

**Chair: Asst. Prof. Shinichiro Kawano**

**11:20-11:35 Mr. Till Böckermann (Ravoo group)**

“Synthesis and Properties of new fluorinated Cyclodextrins”

**11:35-11:50 Mr. Benjamin Vonhören (Ravoo group)**

“Thiol-Ene Click Chemistry for the synthesis of covalently linked multilayers with redox molecules”

**11:50-12:05 Ms. Nozomi Mihara (Tanaka Group)**

“Triply Stacked Array of Porphyrins and Phthalocyanine via Stepwise Formation of Four-fold Rotaxane and Ionic Complex”

**\*\*\*\*\* 12:05-14:00 Lunch \*\*\*\*\***



**Chair: Prof.**

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

“Asymmetric arene hydrogenation”

**14:30-15:00 Assoc. Prof. Tsuyoshi Matsumoto**

“Model Studies on Nickel Enzymes Relevant to Autotrophic Carbon Fixation”

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

**Chair: Asst. Prof. Daisuke Yokogawa**

**15:15-15:30 Ms. Eva Koch (Studer group)**

“Regioselective Threefold Aromatic Substitution of Benzoic Acid Derivatives by Dearomatization, Regioselective Functionalization and Rearomatization”

**15:30-15:45 Ms. Eriko Yamaguchi (Yamaguchi Group)**

“Unusual Solvent Effect on Luminescent Properties of Benzophosphole Oxides: Control of the Excited State Dynamics”

**15:45-16:00 Mr. Steffen Eusterwiemann (Studer group)**

“On the way to Organic Magnets: Synthesis and Characterization of Nitronyl-Nitroxide Polyradicals”

**16:00-16:45 Poster Session**

**16:45- 17:15 Mini Piano Concert**



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**May 21<sup>st</sup>**

**Chair: Assoc. Prof. Yukio Ohuchi**

**10:00-10:30 Prof. Ernst-Ulrich Würthwein**

“Various Synthetic Approaches towards Oligo- and Polynitriles”

**10:30-10:45 Mr. Matthias Dahlkamp (Würthwein group)**

“Synthesis of Thiazolidines *via* Hydroalumination of unsaturated Nitrogen containing Compounds”

**10:45-11:15 Prof. Mizuki Tada**

“Surface-Mediated Catalysis on Oxide-Supported Metal Catalysts”

**\*\*\*\*\* 11:15-11:30 Coffee Break \*\*\*\*\***

**Chair: Prof.**

**11:30-12:00 Assoc. Prof. Michio Matsushita**

“Investigations on functional materials derived from organic radicals”

**12:00-12:15 Mr. Yongfa Xie (Awaga group)**

“Synthesis, Optical Properties, and Charge Transport Characteristics of Novel Fused Polyaromatic Molecules Having Specific Intermolecular Interaction”

**\*\*\*\*\* 12:15-14:00 Lunch \*\*\*\*\***

**Chair: Assoc. Prof. Junichiro Yamaguchi**

**14:00-14:30 Prof. Gerhard Erker**

“Chemistry of the Zirconacycloallenooids”

**14:30-15:00 Asst. Prof. Hiroshi Naka**

“Oxy-functionalization of Alkynes Catalyzed by Cobalt Porphyrins”



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

**Chair: Asst. Prof. Aiko Fukazawa**

**15:15-15:30 Mr. Andreas Feldmann (Erker group)**

“Chemistry of Unsymmetrically Substituted Tetraarylphospholes”

**15:30-15:45 Mr. Kazuhiro Hata (Itami group)**

“Palladium Catalyzed Carboxyarylation of Benzofurans with Arylboronic Acids and Carboxylic Acids”

**15:45-16:00 Mr. Dominik Bergmann (Humpf group)**

“Synthesis of stable isotopically labeled Fusarium mycotoxins”

**16:00- Closing Remarks : Prof. Gerhard Erker**

**LABO Tour for the Münster student**

**18:00-19:30 Reception**

(Restaurant “Hananoki” )