



**The 12th Joint Seminar
University of Münster - Nagoya University**

October 3 - 4, 2011. Noyori Materials Science Laboratory.

October 3rd

10:00- Opening address: Prof. Kazuyuki Tatsumi

Chair: Asst. Prof. Osami Shoji

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

“Biomimetic Carbohydrate Receptors in Solution and on Surfaces”

10:35-11:00 Assistant Prof. Junichiro Yamaguchi

“Synthesis of Dragmacidin D via Direct C–H Couplings”

11:00-11:30 Prof. Bernhard Wunsch

“Pharmacophore derived development of spirocyclic sigma-1 ligands”

***** 11:30-11:50 Coffee Break *****

Chair: Prof. Kentaro Tanaka

11:50-12:20 Prof. Guido Clever (University of Göttingen)

“Functional Coordination Cages: Metal Stacking, Allosteric Ion Binding and Structural Control”

12:20-12:50 Prof. Jens Müller

“Chimeric GNA/DNA metal-mediated base pairs”

***** 12:50-14:30 Lunch *****

Chair: Prof. Kunio Awaga

14:30-15:00 Prof. Ernst-Ulrich Würthwein

“Ring Forming Reactions of Diazabenzohexatrienyl Metal Compounds - Experiment and Theory”



15:00-15:25 Prof. Stephen Irle

“Origin of the unusual blue-shift of [n]cycloparaphenylene fluorescence with increasing size n”

15:25-15:50 Assistant Prof. Akitaka Matsuda

“Probing isomerization and association reactions of acetylene by ultrafast nonlinear laser spectroscopy”

***** **15:50-16:10 Coffee Break** *****

Chair: Mr. Shunsuke Oishi

16:10-16:25 Mr. Foo Sion-Wan

“Aldol Condensation of Carboxamide Using Catalytic Approach”

16:25-16:40 Ms. Anna Junker

“Synthesis and Structure Activity Relationships of Novel Chemokine Receptor 5 Antagonists”

16:40-16:55 Mr. Hiroshi Nakatsuka

“Synthesis of 1,4-dialkoxy-1,4-diboryloxy-1,3-butadiene and its application to Diels-Alder reaction”



October 4th

Chair: Assoc. Prof. Yasuhiro Ohki

10:00-10:25 Prof. Yoshihito Watanabe

“Novel Approaches for the Construction of Metalloenzymes”

10:25-10:55 Prof. Gerhard Erker

“Some Recent Results in 1,1-Carboboration Chemistry”

10:55-11:25 Prof. Armido Studer

“Nitroxides as mild oxidants in synthesis”

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

Chair: Mr. Yasunari Sakai

11:45-12:00 Mr. Tomokatsu Kushida

“Reactivity of Planar-Constrained Triarylboranes: Synthesis and Properties of Borataanthracene and Bora-Cyclophanes”

12:00-12:15 Ms. Lilia Lohrey

“¹³C₂-Moniliformin and d₃-Tenuazonic acid: How to Synthesize Isotopically Labeled Internal Standards”

12:15-12:30 Mr. Kazuki Tanifuji

“Ligand Exchange Reaction of Highly Oxidized [Fe₄S₄] Clusters Bearing Amides and Formation of a [Fe-Fe₄S₄] Clusters”

***** 12:30-15:00 **Lunch and poster session** *****

Chair: Ms. Azusa Iida

15:00-15:15 Mr. Christoph Rosorius

“Chemistry of P/B Frustrated Lewis Pairs featuring Electron Withdrawing C₆F₅ Groups at Both Phosphorus and Boron”



- 15:15-15:30 Mr. Rene Liedtke**
“1,1-Carboboration-Reactions of Silicon and Phosphorus Containing Conjugated Dienes ”
- 15:30-15:55 Assistant. Prof. Hirofumi Yoshikawa**
“Novel Rechargeable Batteries Using Molecular Clusters ---Performance, Reaction Mechanism, and Nanohybridization”
- 16:00- Closing Remarks : Prof. Gerhard Erker**
- 17:00- 18:00 150th Anniversary Special Event “KABUKI- Introduction”**
(Lecture Hall, Noyori Materials Science Laboratory)
- 18:00-19:30 Reception**
(Chemistry Lounge, Noyori Materials Science Laboratory)