



The 14th Joint Seminar University of Münster - Nagoya University

October 1 - 2, 2012. Noyori Materials Science Laboratory.

October 1st

10:00- Opening address: Prof. Shigehiro Yamaguchi

10:05- Congratulatory address: Ms. Hiroko Takuma (JSPS)

Chair: Prof. Shigehiro Yamaguchi

10:10-10:40 Prof. Hans-Ulrich Humpf

“Structure Elucidation and Biosynthetic Pathway of Fusarin C”

10:40-11:05 Assistant Prof. Daisuke Yokogawa

“Theoretical Study on Chemical Reactions in Solution”

11:05-11:35 Prof. Ernst-Ulrich Würthwein

“Hydroalumination of Unsaturated Nitrogen Compounds ”

***** **11:35-11:50 Coffee Break** *****

Chair: Assoc. Prof. Yukio Ohuchi

11:50-12:15 Assistant Prof. Aiko Fukazawa

“Thiophene-fused Bisdehydro[12]annulene: A Trick for [2+2] Cycloaddition of Acetylenes by Either Photoirradiation or Heating”

12:15-12:30 Ms. Friederike Schröter

“Catalytic Micro-Contact Chemistry with TiO₂ Nanoparticles”

12:30-12:45 Mr. Michael Kurlemann

“Multivalent Molecular Recognition using Cyclodextrine Derivatives”

***** **12:45-14:00 Lunch** *****



Chair: Asst. Prof. Hiroshi Naka

14:00-14:30 Prof. Gerhard Erker

“Frustrated Lewis Pair Chemistry – Some Recent Results”

14:30-14:45 Mr. Raúl Adler

“Addition Reactions of Intramolecular Frustrated Lewis-Pairs to Alkenes”

14:45-15:00 Mr. Adrian Schulte

“Stereoselective Synthesis of Cyclohexane-1,2,3-triamine Derivatives”

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

Chair: Prof. Kazuyuki Tatsumi

15:15-15:45 Prof. Ekkehardt Hahn

“Supramolecular Chemistry with Poly-NHC Ligands”

15:45-16:00 Mr. Nobuhiro Taniyama

“Synthesis of V/Fe/S Clusters from Vanadium(III) Thiolate Complexes having a Phenoxide-Based Tridentate [O,E,O] (E = O, P) Ligand”

16:00-16:50 Poster Session

16:50- Mini Piano Concert

Mr. Kanyou Shin – Tatsumi group
Chopin, “Etude Op. 10, No.3”

Mr. Adrian Schulte –Wünsch group
Beethoven, “Piano sonata Nr. 14, op 27, first movement (Adagio sostenuto)”

Mr. Souta Nimura – Noyori group
Joe Sample “Eye of the Hurricane”

**October 2nd****Chair: Ms. Kirika Ueda****10:00-10:25 Assistant Prof. Yasutomo Segawa**

“Synthesis and Properties of Carbon Nanorings”

10:25-10:40 Ms. Friederike Sibbel

“Membranes on a Chip- A New Strategy towards the Immobilization of ABC-Transporter”

10:40-11:10 Prof. Armido Studer

“SET-Oxidations and Reductions with Organic Reagents”

11:10-11:25 Mr. Tobias Greulich“Homolytic Substitution at Phosphorus towards the Synthesis of Novel Organic π -Materials”******* 11:25-11:40 Coffee Break *********Chair: Mr. Kazuhiko Nagura****11:40-12:10 Prof. Frank Glorius**

“Some Trends in C-H Activation”

12:10-12:25 Mr. Nils Schröder“High-Yielding, Versatile, and Practical [Rh(III)Cp*]-Catalyzed *Ortho* Bromination and Iodination of Arenes”**12:25-12:40 Mr. Takashi Miura**

“Catalytic Hydrogenation of Unactivated Amides”

******* 12:40-14:00 Lunch *******

Chair: Asst. Prof. Osami Shoji

14:00-14:30 Prof. Bernhard Wunsch

“Molecular Interactions of Sigma-1 Receptors with Ligands”

14:30-14:45 Ms. Chikako Shirataki

“Cofactor Misrecognition of a Heme Acquisition Protein (HasA): Crystal Structures of HasA Complexed with Artificial Metal Cofactors”

14:45-15:15 Prof. Martin Oestreich

“Aerobic Palladium(II)-Catalyzed Intramolecular C-H Bond Alkenylation”

15:15-15:30 Mr. David Königs

“Base-Free Dehydrogenative Formation of Silyl Enol Ethers from Carbonyl Compounds”

***** **15:30-15:45 Coffee Break** *****

Chair: Prof. Kentaro Tanaka

15:45-16:15 Prof. Jens Müller

“Current Progress in Silver(I)-Mediated Base Pairing”

16:15-16:30 Mr. Christian Radunsky

“New Tridentate Nucleosides in Metal-mediated Base Pairing”

16:30- Closing Remarks : Prof. Gerhard Erker

16:45- 18:00 Labo tour

18:00-19:30 Reception

(Restaurant “Hananoki”)