



10th IRTG JOINT SYMPOSIUM

**University of Münster and
Nagoya Universtiy**

Tuesday, November 30th and Wednesday, December 1st 2010

Westfälische Wilhelms-Universität Münster,
Organische/Anorganische Chemie, Wilhelm-Klemm-Str. 6,
Lecture Hall O1

Tuesday, November 30th

- 09:30** **Opening address**
Prof. G. Erker, Spokesman of the IRTG Münster-Nagoya
- 09:40** **Prof. Frank Glorius**
Department of Chemistry, Münster
N-Heterocyclic carbenes in catalysis: interesting concepts!
- 10:10** **Mr. Hiroshi Nakatsuka**
Group of Prof. Kitamura, Department of Chemistry, Nagoya
*Design and Synthesis of Linear N4 Chiral Ligands: Its
Application to Asymmetric Hydrogenation of Aromatic Ketones*
- 10:30** **Coffee break**
- 11:00** **Prof. Kenichiro Itami**
Department of Chemistry, Nagoya
Cycloparaphenylenes: Synthesis, Structures, and Properties
- 11:30** **Ms. Sylvia Kirchberg**
Group of Prof. Studer, Department of Chemistry, Münster
*C4-Selective C-H Arylation of Thiophenes and Thiazoles with
Arylboronic Acids and TEMPO*
- 11:50** **Prof. Susumu Saito**
Group of Prof. Noyori, Department of Chemistry, Nagoya
Activation of Alcohol as Electrophile for Organic Synthesis
- 12:20** **Lunch Break**

**14:00****Prof. Jens Müller**

Department of Chemistry, Münster

*DNA with Hoogsteen-type metal-mediated base pairs***14:30****Ms. Ines Ferse**

Group of Prof. Humpf, Department of Food Chemistry, Münster

*Total synthesis and chemical modification of the mycotoxin**Ochratoxin A***14:50****Prof. Kazuyuki Tatsumi**

Department of Chemistry, Nagoya

*Structural Models of The [NiFe] Hydrogenase Active Site***15:20****Coffee break****16:00****Mr. Yuki Iijima**

Group of Prof. Shinohara, Department of Chemistry, Nagoya

*Scanning Tunneling Microscopy/Spectroscopy Studies on the**Local Electronic Structure of Hetero-Metallofullerenes Peapods***16:20****Prof. Bart Jan Ravoo**

Department of Chemistry, Münster

*Advances in Microcontact Chemistry***19:00****Dinner at "Gasthaus Drübelken"**



IRTG^{MS-NG}

International Research Training Group
Münster / GERMANY - Nagoya / JAPAN



University of Münster / Germany



Nagoya University / Japan

Wednesday, December 1st

- 09:00** **Prof. Shigehiro Yamaguchi**
Department of Chemistry, Nagoya
Novel Fused π -Conjugated Materials with Unusual Properties
- 09:30** **Dr. Cornelia Mömming**
Group of Prof. Erker, Department of Chemistry, Münster
Reactivity of Frustrated Lewis Pairs: Fixation of Small Molecules
- 09:50** **Prof. Hiroshi Nakajima**
Group of Prof. Watanabe, Department of Chemistry, Nagoya
Protein engineering of cytochrome c from a thermophile - A scaffold for artificial peroxidase
- 10:20** **Mr. Kazuhiko Nagura**
Group of Prof. Yamaguchi, Department of Chemistry, Nagoya
Novel Fluorescent Oligoarenes; Excited-State Structural Change and Mechanochromism
- 10:40** **Coffee break**
- 11:10** **Prof. Bernhard Wunsch**
Department of Pharmacy, Münster
Benzoxazolone bioisosteres of phenolic NR2B-selective NMDA receptor antagonists


11:40**Mr. Takayoshi Hashimoto**

Group of Prof. Tatsumi, Department of Chemistry, Nagoya

*Synthesis of Coordinatively Unsaturated Mesityliron Thiolate**Complexes and Their Reactions with Elemental Sulfur*

12:00

Prof. Mizuho Fushitani

Department of Chemistry, Nagoya

*Generation and application of single-order harmonics for**ultrafast time-resolved spectroscopy*

12:30

Lunch Break

14:00

Prof. Martin Oestreich

Department of Chemistry, Münster

Cooperative Si-H Bond Activation

14:30

Mr. Takashi Fujishiro

Group of Prof. Watanabe, Department of Chemistry, Münster

*Construction of versatile monooxygenation systems using**hydrogen peroxide-dependent cytochrome P450s*

14:50

Prof. Hellmut Eckert

Department of Chemistry, Münster

*Solid State NMR Spectroscopic Methods for Characterizing**Intra- and Intermolecular Interactions in Inorganic-Organic**Hybrid Materials*

15:20

Closing Remarks

19:00

Dinner at Hotel Mövenpick

Poster Presentations

- 1) C. Grohmann, F. Glorius
Towards Stable Catalyst Systems for Iron Catalyzed C-H-Oxidation
- 2) K. Müther, M. Oestreich
Self-Regeneration of a Silylium Ion Catalyst in Carbonyl Reduction
- 3) M. Rauschenberg, B. J. Ravoo, Y. Yamada and K. Tanaka
Dynamic peptides as biomimetic receptors
- 4) J. Mehlich, B. J. Ravoo, Hisanori Shinohara
Patterned Arrays of Carbon Nanotubes by Microcontact Printing
- 5) Z. Zeng, H. Eckert
Using Solid State NMR Approaches for Structural Characterization of Organic Radicals intercalated into Inorganic Clay
- 6) A. Schulte, B. Wünsch
Derivatives of N-Cyclohexenylproline: Limitations of Intramolecular Reactions
- 7) A. Junker, B. Wünsch
Development of a [18F]-labeled PET-Tracer for the Imaging of Chemokine-Receptor 5: Synthesis of the Precursors
- 8) N. Blaas, A. Fischbeck, H.-U. Humpf
Enzymatical Synthesis of Inositolphosphorylceramide
- 9) A. Bruch, A. Ambrosius, R. Fröhlich, A. Studer, D. B. Guthrie, H. Zhang, D. P. Curran
Memory of Axial Chirality in Aryl Radical Phosphanylations
- 10) S. Kirchberg, R. Fröhlich, A. Studer
Diastereoselective Oxyarylation Reactions of Indoles and Indenes by Using Arylboronic Acids and TEMPO