



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN



***International Symposium of SFB 749 on
"Dynamics and Intermediates of Molecular Transformations"
in Munich (Germany) on August 2-4, 2017***

Venue

Ludwig-Maximilians-Universität München
Fakultät für Chemie und Pharmazie
Butenandtstr. 5-13
81377 München

Program

Wednesday, August 2nd 2017

Venue: **Bayer Lecture Hall (F U1.017)**

	Chair: Armin Ofial	
14:00	Thomas Carell, LMU München (Germany)	Welcome and Opening
14:15	Helmut Schwarz, TU Berlin (Germany)	Ménage-à-trois: Single-atom Catalysis, Mass Spectrometry, and Computational Chemistry
15:00	Konrad Koszinowski, Univ. Göttingen (Germany)	Dynamics and Intermediates of Transition-Metal Mediated Cross-Coupling Reactions
15:30	Eberhard Riedle, LMU München (Germany)	Walking the slow path with Herbert Mayr
16:00	Coffee Break	
16:45	Krzysztof Matyjaszewski, Carnegie Mellon University, Pittsburgh (U. S. A.)	Dynamics and Intermediates in ATRP (Atom Transfer Radical Polymerization)
17:30	Henry Dube, LMU München (Germany)	Controlling the Motions of Molecules: from Photoswitches to Molecular Machines
18:00	Olga Kronja, Univ. Zagreb (Croatia)	Impact of Electronic Effects on Nucleofugality - Solvolytic Behavior of Carbonates, Carboxylates and Phenolates
18:30	Welcome Mixer	

Thursday, August 3rd 2017Venue: **Baeyer Lecture Hall (F U1.017)**

	Chair: Martin Breugst	
09:00	Varinder Aggarwal, Univ. Bristol (United Kingdom)	Assembly Line Synthesis
09:45	Thomas J. J. Müller, Univ. Düsseldorf (Germany)	Consecutive Multicomponent Syntheses with Catalytically Generated Alkynoyl Derivatives
10:15	Haruyasu Asahara, Osaka University (Japan)	Development of Difunctionalized N-Acylimines and its Application to α-Amino Acid Synthesis
10:35	Coffee Break	
11:10	Jin-Pei Cheng, Tsinghua Univ. Beijing (P. R. China)	On the Role of Bond Energetics in Ionic Liquid Chemistry
11:55	Rainer Herges, Univ. Kiel (Germany)	Function by Switching: Molecular Spin Switches in Medical Imaging
12:40	Lunch Break	
	Chair: Sami Lakhdar	
14:15	G. K. Surya Prakash, USC Los Angeles (U. S. A.)	Nucleophilic Fluoroalkylations
15:00	Alexander Dilman, N. D. Zelinsky Institute, Russ. Acad. Sci., Moscow (Russia)	Synthesis of organofluorine compounds using difluorocarbene
15:30	Xinhua Duan, Xi'an Jiaotong Univ. (P. R. China)	Direct C-H Alkylation of Electron-Deficient Heterocycles via C-C Bond Cleavage of Cyclobutanone Oximes
15:50	Coffee Break	
16:30	Peter Schreiner, Univ. Gießen (Germany)	London Dispersion in Molecular Chemistry - Reconsidering Steric Effects
17:15	Hendrik Zipse, LMU München (Germany)	Initiation Chemistries in Hydrocarbon (Aut)Oxidation
17:45	Hans-Ulrich Reißig, FU Berlin (Germany)	Cyclizations of Alkoxyallenes - Mechanisms, Intermediates, Products
19:00	Speakers' Dinner	

Friday, August 4th 2017

	Chair: Guillaume Berionni // Venue: Baeyer Lecture Hall (F U1.017)	
09:00	Manabu Abe, Hiroshima University (Japan)	A Challenge in Organic Chemistry: Is π-Single Bonding Possible?
09:45	Ernst-Ulrich Würthwein, Univ. Münster (Germany)	Nitrogen and Aluminium - a powerful combination for novel bond forming reactions: Experiment and Theory
10:15	Biplab Maji, IISER Kolkata (India)	Manganese Catalyzed Hydrogenations, Dehydrogenations and Cascades
10:35	Coffee Break	
11:10	Paul Knochel, LMU München (Germany)	Chemical Compatibility - a Useful Concept for Synthetic Chemistry
11:55	Bernd Straub, Univ. Heidelberg (Germany)	Catalytic Mechanisms of Coinage Metal Carbenes
12:25	Lei Shi, Harbin Institute of Technology (P. R. China)	Oxidation and beyond: the reaction of cyclic diacyl peroxides
12:45	Lunch Break	
	Chair: Hendrik Zipse // Buchner Lecture Hall (F0.001)	
14:15	Mieczyslaw Makosza, Inst. for Organic Chemistry, Polish Academy of Sciences, Warsaw (Poland)	How does nucleophilic aromatic substitution really proceed
14:45	Sami Lakhdar, CNRS, Univ. de Caen Normandie (France)	New Avenues in Organophosphorus Chemistry via Visible Light-Promoted Phosphorus-Centered Radicals
15:05	Mahiuddin Baidya, IIT Madras (India)	Synthetic Strategies towards Carbon-Heteroatom Bonds: From <i>alpha</i>-Substitution to <i>ortho</i>-Functionalization
15:25	Martin Breugst, Univ. Köln (Germany)	Reaction Mechanisms in Iodine Catalysis
15:45	Coffee Break	
16:10	Oliver Trapp LMU München (Germany)	Design and Mechanistic Investigation of Self-Amplifying Enantioselective Catalysts
16:55	Herbert Mayr, LMU München (Germany)	From the "Principle of Decreasing Cation Stability" to "Intrinsic Barriers"
17:40	Herbert Mayr	Closing Remarks
18:00	Buffet in the Leipelt Foyer	

How to get to the venue

Baeyer Lecture Hall (F U1.017)

Ludwig-Maximilians-Universität
München
Fakultät für Chemie und Pharmazie
Butenandtstr. 5-13
81377 München

Buchner Lecture Hall (F0.001)

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By car

- From the Nürnberg highway: get onto the Mittlerer Ring (direction Autobahn Lindau), then onto the Lindau highway to the exit Blumenau, keep going to Gräfelfing from where Würmtalstrasse will lead you to our campus.
- From the Stuttgart highway: from the end of the highway in Obermenzing turn off to Pasing, from Pasing drive in the direction of Gräfelfing, then turn left to Großhadern.
- From the Salzburg or Garmisch highways: drive onto the "Mittlerer Ring" in the direction of Großhadern and Stuttgart, then, in Großhadern turn to Gräfelfing and follow Würmtalstrasse which passes by our campus.

By train and public transport

By IC, EC, ICE to Munich Central Station (München Hauptbahnhof). From there, take the subway U1 or U2 to station "Sendlinger Tor". Change to U6 in the direction of "Klinikum Großhadern" and get off at station "Großhadern".

Take the stairway to your left (exit "Würmtalstr.") and keep left. You are now on Würmtalstr. Now you can walk along Würmtalstraße until you reach the campus (modern buildings on the left, about 10 to 15 minutes) or take the bus from the bus stop in front of "Sparda-Bank" (line 268 in direction Gräfelfing or line 160 in direction to Pasing, Blumenburg or Allach) to "Waldhüterstraße" (2nd stop).

By plane and public transport

From the Munich airport take the S-Bahn train S8 (or S1) to "Marienplatz". Change to the subway U6 in the direction of Klinikum Großhadern and get off at station "Großhadern".

Take the stairway to your left (exit "Würmtalstr.") and keep left. You are now on Würmtalstr. Now you can walk along Würmtalstraße until you reach the campus (modern buildings on the left, about 10 to 15 minutes) or take the bus from the bus stop in front of "Sparda-Bank" (line 268 in direction Gräfelfing or line 160 in direction to Pasing, Blumenburg or Allach) to "Waldhüterstraße" (2nd stop).