

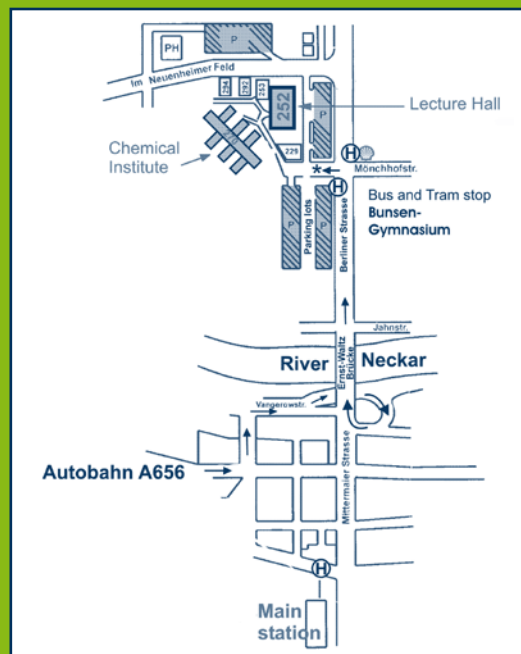
## More information about the Heidelberg Forum of Molecular Catalysis at:

Prof. Dr. Peter Hofmann  
Organisch-Chemisches Institut  
Universität Heidelberg  
Im Neuenheimer Feld 270  
69120 Heidelberg  
Germany  
Tel. +49 (0) 62 21-54-85 02  
Fax +49 (0) 62 21-54-48 85  
E-Mail: [ph@uni-hd.de](mailto:ph@uni-hd.de)  
or  
[www.uni.heidelberg.de/institute/fak12/](http://www.uni.heidelberg.de/institute/fak12/)

## More information about the Sonderforschungsbereich 623 "Molekulare Katalysatoren" at:

Kerstin Windisch  
Geschäftsstelle SFB 623  
Universität Heidelberg  
Im Neuenheimer Feld 270  
69120 Heidelberg  
Germany  
Tel. +49 (0) 62 21-54-84 27  
Fax +49 (0) 62 21-54-83 98  
E-Mail: [sfb623@uni-hd.de](mailto:sfb623@uni-hd.de)  
or  
[www.sfb623.uni-hd.de](http://www.sfb623.uni-hd.de)

## How to reach us



### By car:

At the end of autobahn A656 turn left at the traffic light and follow the sign "Chirurgie" until you are on the bridge ("Ernst-Waltz Brücke"). Go straight on "Berliner Straße" to the second traffic light (ahead on the right side there is a Shell petrol station) and turn left into the "Neuenheimer Feld". (\*) At the following crossroads go straight and then turn right after 50 meters. You will find the Chemistry Institutes to your left and after a distance of 100 meters the lecture hall (Hörsaalzentrum Chemie) to your right.

### By public transport:

From the main train station: Take the tram line 1 or 4 (direction "Handschuhsheim") and leave at the third stop ("Bunsen-Gymnasium"). You will face the Shell petrol station. Cross the street towards the opposite side and turn into "Neuenheimer Feld". Follow now the instructions "by car" at (\*).

From the historic city center: Take the bus line 12 (direction "Neuenheimer Feld, Sportzentrum Nord") departing from "Universitätsplatz" or "Bismarckplatz". Leave at the stop "Bunsen-Gymnasium" and you will face the Shell petrol station. Cross the traffic lights straight and get into the "Neuenheimer Feld". Follow now the instructions "by car" at (\*).

# Heidelberg Forum of Molecular Catalysis



June 22, 2007

Main auditorium

Chemistry lecture building

Im Neuenheimer Feld 252

Heidelberg

Jointly organized by the University of Heidelberg,  
BASF Aktiengesellschaft and  
Sonderforschungsbereich 623 "Molekulare Katalysatoren"

SFB  
623



**BASF**  
The Chemical Company

## Heidelberg Forum of Molecular Catalysis

The **Heidelberg Forum of Molecular Catalysis 2007** is the 4th event in a series of international symposia, which take place every other year. After very successful events in 2001, 2003 and 2005 it is again a forum for the presentation of scientific papers – plenary lectures and posters given by leading researchers in the field of molecular catalysis – which is jointly organized by the University of Heidelberg, the Collaborative Research Center (Sonderforschungsbereich 623) "Molecular Catalysts: Structure and Functional Design" established by the German National Science Foundation within the Heidelberg Faculty of Chemistry and Earth Sciences in 2002, and by BASF Aktiengesellschaft, the sponsor of this event.

Molecular catalysis is one of the primary fields of research in the university's chemistry department and also plays a key role in the chemical industry.

Through its involvement, BASF is promoting the collaboration of the University of Heidelberg with other research institutes throughout the world. This support also demonstrates the great importance that the company attaches to research and innovation.

The forum aims to emphasize the important role of the Metropolitan Region Rhine-Neckar in science, thus attracting the interest of young scientists from around the world. The **BASF Catalysis Award 2007**, worth € 10,000, will be presented to an outstanding young researcher at the forum.

## The Prizewinner: Prof. Dr. F. Dean Toste



Dean Toste was born in 1971 in Terceira, Azores, Portugal, but soon moved to Canada. While at the University of Toronto, he majored in Chemistry and Biochemistry and went on to obtain a M.Sc. in Organic Chemistry in 1995. He then pursued his Ph.D. with Barry Trost at Stanford and a post-doctoral appointment with Robert Grubbs at Caltech. Dean Toste is currently the Chevron Professor of Chemistry at UC Berkeley.

Research in his group is primarily aimed toward the development of catalysts, catalytic reactions and methods for organic synthesis. Ultimately, he is interested in using these methods to address problems in the synthesis of complex molecules possessing interesting structural, biological and physical properties. As such, his research program spans the areas of organic synthesis, catalysis, and organometallic chemistry. Recent examples are Gold(I)-Catalyzed C-C-Bond Formation, Metal-Oxo Catalyzed Reactions and New Methods Applied to Natural Product Synthesis.

Most recently Dean Toste received the ACS Cope Scholar Award, the Japan Society for the Promotion of Science Fellowship, the Alfred P. Sloan Research Fellowship, the NSF Career Award and the Camille and Henry Dreyfus New Faculty Award. His achievements also have been acknowledged with numerous awards from industry sponsors (AstraZeneca, Pfizer, Amgen, Abbott, GlaxoSmithKline, Eli Lilly, Dupont, Boehringer-Ingelheim, Roche) during the last years.

# Program

- 9 a.m.** Opening
- 9.30 a.m.** **Prof. Dr. Dr. h.c. mult. Ryoji Noyori**  
Riken Institute of Physical and Chemical Research, Saitama and Department of Chemistry and Research Center for Materials Science, Nagoya University, Japan  
**"Asymmetric Catalysts: Structural and Functional Engineering"**
- 10.30 a.m.** **Poster session**
- 11 a.m.** **BASF's 2007 Catalysis Award ceremony**  
**Lecture by the prizewinner**  
**Prof. Dr. F. Dean Toste**  
University of California, Department of Chemistry, Berkeley, USA  
**"Gold(I) Catalysts for Organic Synthesis: Development, Applications and Asymmetric Catalysis"**
- 12.30 p.m.** **Poster session**
- 4 p.m.** **Prof. Dr. Steven V. Ley**  
University of Cambridge, Department of Chemistry, Cambridge, England  
**"Development of New Catalysts and Methods for Organic Synthesis"**
- 5 p.m.** **Prof. Dr. Richard R. Schrock**  
Massachusetts Institute of Technology, Department of Chemistry, Cambridge, Massachusetts, USA  
**"Catalytic Reduction of Dinitrogen to Ammonia at Room Temperature and One Atmosphere with Protons and Electrons"**
- 6 p.m.** **Poster session/social get-together and dinner**