

## Location



IBZ - International Center for Science  
and the Humanities in Munich e.V.  
Amalienstraße 38, 80799 München

From airport:

- by Taxi: travel time about 50 minutes, fare approx. € 50,--.
- by S-Bahn: S8 or S1 to Marienplatz, transfer to U3 or U6 in direction Olympiazentrum or Garching-Hochbrück, exit at station Universität, travel time about 70 minutes total.

From main station (Hauptbahnhof):

- by Taxi: travel time about 8 minutes, fare approx. € 8,--.
- by U-Bahn: U1 or U2 to Sendlinger Tor, transfer to U3 or U6 in direction Olympiazentrum or Garching-Hochbrück, exit at station Universität, travel time about 30 minutes total.

## ENNaB-Workshop



**BMBF Junior Research Groups  
in Nanotechnology**

**Thursday, 21<sup>st</sup> April 2005  
from 9:30 to 15:30**

**International Center for Science  
and the Humanities  
Amalienstr. 38, München**

Hagen Göttlich  
Excellence Network  
NanoBioTechnology  
Universität München  
Schellingstr. 4  
**80799 München**

## Program

### Preface

It is a pleasure for us to invite you to the ENNAB Workshop "BMBF Junior Research Groups" in Munich. We hope to stimulate vivid discussions on recent progresses in molecular nanoelectronics, near-field optics, nanomechanics and nanomanipulation as well as future applications in nanobiotechnology.

Scientific organizers:

Dr. Robert Stark  
stark@lrz.uni-muenchen.de, Tel.: (089) 2180 4329

Dr. Rainer Hillenbrand  
hillenbr@mpg.biochem.de, Tel.: (089) 8578 2455

Dr. Marc Tornow  
tornow@wsi.tum.de, Tel.: (089) 2891 2772

### Agenda

**9:30 Uhr** Reception - coffee

#### First session

**10:00 Uhr** Nanoscale resolved optical sub-surface imaging by s-SNOM  
Thomas Taubner (MPI Martinsried)

**10:20 Uhr** AFM-head for multispectral scattering-type near-field optical microscopy  
Dmitri Kazantsev (MPI Martinsried)

**10:40 Uhr** Synthesis and characterization of bridged Gold nanoparticle clusters  
Marco Stemmler (MPI Mainz)

**11:00 Uhr** Coffee break

## Program

### Second session

**11:20 Uhr** STM-Induced Electroluminescence on Nano-sized Au-Objects  
Robert Branscheid (MPI Mainz)

**11:40 Uhr** Local Anodic Oxidation by AFM  
Ayhan Yurtsever (LMU)

### 12:00 Uhr lunch

### Third session

**13:30 Uhr** Nanomanipulation by AFM  
Javier Rubio Sierra (LMU)

**13:50 Uhr** From self-ordering towards imprint lithography: large scale periodic nickel nanowire arrays  
Kornelius Nielsch (MPI Halle)

**14:10 Uhr** Nanomembranes for biological applications  
Mato Knez (MPI Halle)

### 14:30 Uhr Coffee break

### Fourth session

**14:50 Uhr** Functional DNA monolayers for bioelectronics applications  
Marc Tornow (TUM)

**15:10 Uhr** Molecular electronics: III-V semiconductor nanogap devices  
Sebastian Lubner (TUM)

**15:30 Uhr** End

## Registration Form

Please return the registration form by email, regular mail or fax until

**Tuesday, 19<sup>th</sup> April 2005**

Email: goettlich@lrz.uni-muenchen.de

Fax Number: 089 / 21 80 - 56 81

Mail address: please turn over

Please register me for the ENNaB-Workshop on 21<sup>st</sup> April 2005

Title/Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Zip/City \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

The event is free of charge.