



How to get there:

DK Nanocell Bus transfer
Linz - Strobl - Linz

01.07.2016

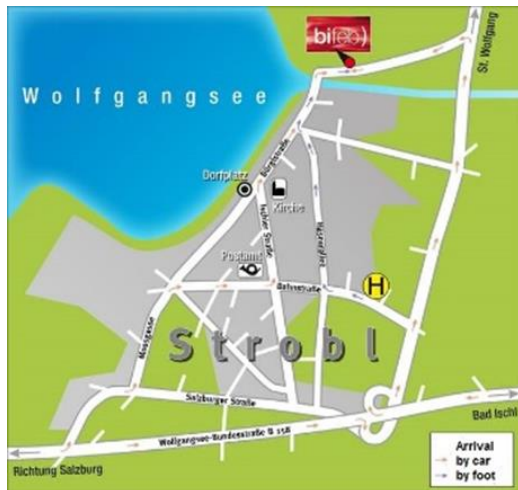
09:30 Linz Julius Raab Heim
09:50 Linz Main Station
12:00 Strobl Bifeb)

03.07.2016

17:00 Strobl Bifeb)
Linz main train station
Linz JKU Julius Raab Heim

Private car

Public transport



Accommodation:

Bifeb)
Bundesinstitut für
Erwachsenenbildung
Bürglstein 1-7
A - 5360 St. Wolfgang
+43/6137/66 21 0

Organised by:

DK NanoCell
Peter Hinterdorfer
Katharina Ebner
Johannes Kepler University
Institute of Biophysics
Gruberstraße 40
4020 Linz



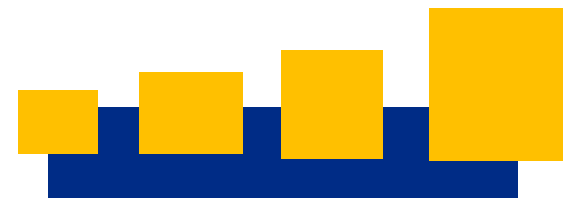
Summer School



July 1st - 3rd, 2016

*Nano-Analytics
of Cellular Systems
From molecular dynamics,
recognition and organization to
membrane transport and motility*

Bifeb)



Program Overview:

Friday July 1st 2016:

- 12:30 WELCOME LUNCH Restaurant bifeb)
- EXTERNAL INVITED TALKS Bürgl Saal bifeb)
- 13:30 – 14:15 **Helmut Grubmüller**
Max Planck Institute for Biophysical Chemistry
Atomistic Simulation of Single Molecule Experiments: Molecular Machines and a Dynasome Perspective
- 14:15 – 15:00 **Frauke Graeter**
Heidelberg Institute for Theoretical Studies
How mechanical force changes protein function
- 15:00 – 15:45 **Dario Anselmetti**
Bielefeld University
Nano-Analytical Force Spectroscopy Experiments with Single Molecules and Cells
- 15:45 – 16:15 COFFEE BREAK Cafeteria bifeb)
- 16:15 – 17:00 **Thomas Schmidt**
Leiden University
Mechano-chemical coupling in pancreatic ductal adenocarcinoma
- 17:00 – 17:45 **Katrin G. Heinze**
University of Würzburg
Nanophotonic enhancement of Fluorescence and localization precision in membrane imaging
- 17:45 – 18:30 **Rita Grandori**
University of Milano-Bicocca
Analysis of protein-protein and protein-ligand interactions by mass-spectrometry methods
- 18:45 DINNER Restaurant bifeb)

Program Overview:

Saturday July 2nd 2016:

- EXTERNAL INVITED TALKS Bürgl Saal bifeb)
- 08:30 – 09:15 **Bharat Bhushan**
The Ohio State University
Biomimetics: Bioinspired Superomniphobic, Self-Cleaning/Antifouling and Low Drag Surfaces
- 09:15 – 10:00 **Simon Scheuring**
INSERM/University Aix-Marseille
High-Speed Atomic Force Microscopy: The dawn of dynamic structural biochemistry
- 10:00 – 10:45 **Indu Ambudkar**
NIDCR, National Institute of Health
Molecular mechanisms underlying store-operated CA²⁺ entry
- 10:45 – 11:15 COFFEE BREAK Cafeteria bifeb)
- 11:15 – 12:00 **Ernst Bamberg**
Max Planck Institute for Biophyscs
Optogenetics: Basics, Applications and Chances
- 12:00 – 12:45 **Vladimir Sklenar**
Central European Institute of Technology
Disentangling Puzzles - Atomic Resolution Studies of Intrinsically Disordered Proteins
- 12:45 LUNCH Restaurant bifeb)
- 13:45 – 15:30 STUDENTS' PRESENTATIONS
- 15:30 – 16:00 COFFEE BREAK Cafeteria bifeb)
- 16:00 – 17:45 STUDENTS' PRESENTATIONS
- 18:00 DINNER Restaurant bifeb)
- 19:00 – 20:30 POSTER SESSION

Program Overview:

Sunday July 3rd 2016:

- (Bürgl Saal bifeb)
- 08:30 – 09:30 ADVISORY BOARD MEETING
(Members of the Advisory Board + PIs)
- 09:30 – 10:15 FACULTY ASSEMBLY (PIs)
STUDENTS ASSEMBLY
- 10:15 – 10:45 COFFEE BREAK Cafeteria bifeb)
- 10:45 – 11:45 GENERAL ASSEMBLY
(PIs + Students)
- 11:45 – 12:00 EXECUTIVE COMMITTEE
- 12:00 LUNCH Restaurant bifeb)
- 13:00 DEPARTURE EXCURSION HALLSTATT
- 13:45 – 14:45 GUIDED TOUR HALLSTATT
- 14:45 – 15:45 SPARE TIME HALLSTATT
- 15:45 DEPARTURE TO BIFEB)
- 16:25 SNACK BREAK bifeb)
- 17:00 DEPARTURE BIFEB) TO LINZ