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

Accommodation:
Bifeb)
Bundesinstitut für Erwachsenenbildung
Bürglestein 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

Private car
Public transport

Summer School
July 1st – 3rd, 2016
Nano-Analytics of Cellular Systems
From molecular dynamics, recognition and organization to membrane transport and motility
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
Atomic 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
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 Biophysics
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 BIFE B)
16:25 SNACK BREAK bifeb)
17:00 DEPARTURE BIFE B) TO LINZ