How to get there:

DK Nanocell Bus transfer Linz – Strobl – Linz

22.06.2017

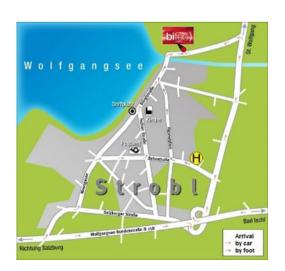
13:30 Linz Julius Raab Heim 13:50 Linz Main Railway Station 16:00 Strobl Bifeb)

25.06.2017

17:00 Strobl Bifeb) Linz main railway 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
Lilia Chtcheglova
Johannes Kepler University
Institute of Biophysics
Gruberstraße 40
4020 Linz















Summer School

June $22^{nd} - 25^{th}$, 2017

Nano-Analytics of Cellular Systems

From molecular dynamics, recognition and organization to membrane transport and motility

Bifeb)



Program Overview:

Thursday June 22nd 2017:

17:00 – 18:00 OPENING TALK Bürgl Saal bifeb)

Gerald Zampony

University of Calgary, Canada

Molecular targets for pain therapeutics

– from calcium channels to optogenetics

18:15 DINNER Restaurant bifeb)

Friday June 23rd 2017:

EXTERNAL INVITED TALKS Bürgl Saal bifeb)

- 09:00 09:45 **Monika Ritsch-Marte** *Med. University of Innsbruck, Austria*Wavefront shaping for advanced optical imaging
- 09:45 10:30 **Katrin Heinze** *University of Würzburg, Germany*Boosting fluorescence imaging and spectroscopy by optoplasmonics
- 10:30 11:00 COFFEE BREAK Cafeteria bifeb)
- 11:00 11:45 **Rita Grandori** *University of Milano-Bicocca, Italy*Analysis of protein-protein and protein-ligand interactions by native mass spectroscopy
- 11:45 12:15 **Ingrid Graz** *University of Linz, Austria*Exercising cells: effects of complex mechanical forces on adhesion, growth and migration
- 12:15 13:30 LUNCH Restaurant bifeb)

Program Overview:

13:30 – 14:15 **Thomas Schmidt**Leiden University, The Netherlands

How does the glucocorticoid receptor find its target on DNA

14:15 – 15:00 **Dario Anselmetti**Bielefeld University, Germany

Single-molecule force spectroscopy
experiments with magnetic tweezers
and AFM

15:00 – 15:30 **Martina Rangl**Weill Cornell Medical College, USA

Elucidating working mechanisms of membrane proteins in real time using HS-AFM

15:30 – 16:00 COFFEE BREAK Cafeteria bifeb)

16:00 – 16:30 **Irene Tiemann-Boege** *University of Linz, Austria*Functional analysis of driver mutations in the FGFR3 gene expanding in the male germline

16:30 – 17:15 **Frank Müh** *University of Linz, Austria*Linking structure and function of pigment-protein complexes

17:15 – 18:00 **Indu Ambudkar** *NIH Bethesda, USA*STIM2-STIM1 interactions in regulation of Orai1 – Tuning the sensitivity of store-operated Ca²⁺ entry

18:15 DINNER Restaurant bifeb)

Program Overview:

Saturday June 24th 2017:

09:00 – 10:45 Bürgl Saal bifeb)
SHORT STUDENTS' PRESENTATIONS

10:45 – 11:00 COFFEE BREAK Cafeteria bifeb)

11:00 – 12:30 Bürgl Saal bifeb)
STUDENTS' POSTER PRESENTATIONS

12:30 – 13:30 LUNCH Restaurant bifeb)

13:30 – 14:30 ADVISORY BOARD MEETING (Members of the Advisory Board + Pls)

14:30 COFFEE BREAK Cafeteria bifeb)

15:00 – 16:00 GENERAL ASSEMBLY (Pls + Students)

16:00 – 17:00 FACULTY ASSEMBLY (PIs) STUDENTS ASSEMBLY

18:15 DINNER Restaurant bifeb)

Sunday June 25th 2017:

09:00 - 17:00 Excursion

17:00 DEPARTURE BIFEB) TO LINZ

Monday June 26th 2017:

DEPARTURE ON DEMAND