

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 22nd - 25th, 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 + PIs)

14:30 COFFEE BREAK Cafeteria bifeb)

15:00 – 16:00 GENERAL ASSEMBLY
(PIs + 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