

General information

Venue

A Marsilius-Arkaden
Im Neuenheimer Feld 130
69120 Heidelberg
<http://www.marsilius-kolleg.uni-heidelberg.de/>

Hotel - TRR-Members

B KulturBrauerei Heidelberg
Leyergasse 6
69117 Heidelberg
+49 6221 50 298 0
<http://www.heidelberger-kulturbrauerei.de/>

Hotel - Guestspeakers

C Hotel Weisser Bock
Große Mantelgasse 24
69117 Heidelberg
+49 6221 90 00 0
<http://www.weisserbock.de/>

Conference Dinner

D KulturBrauerei Heidelberg
Wirtshaus Zum Seppl
Hauptstraße 213
69117 Heidelberg
+49 6221 502 98 0
<http://www.zum-seppl.de>

Rooms in both hotels are available from 2:00 pm on the day of arrival until 11:00 am on the day of departure.

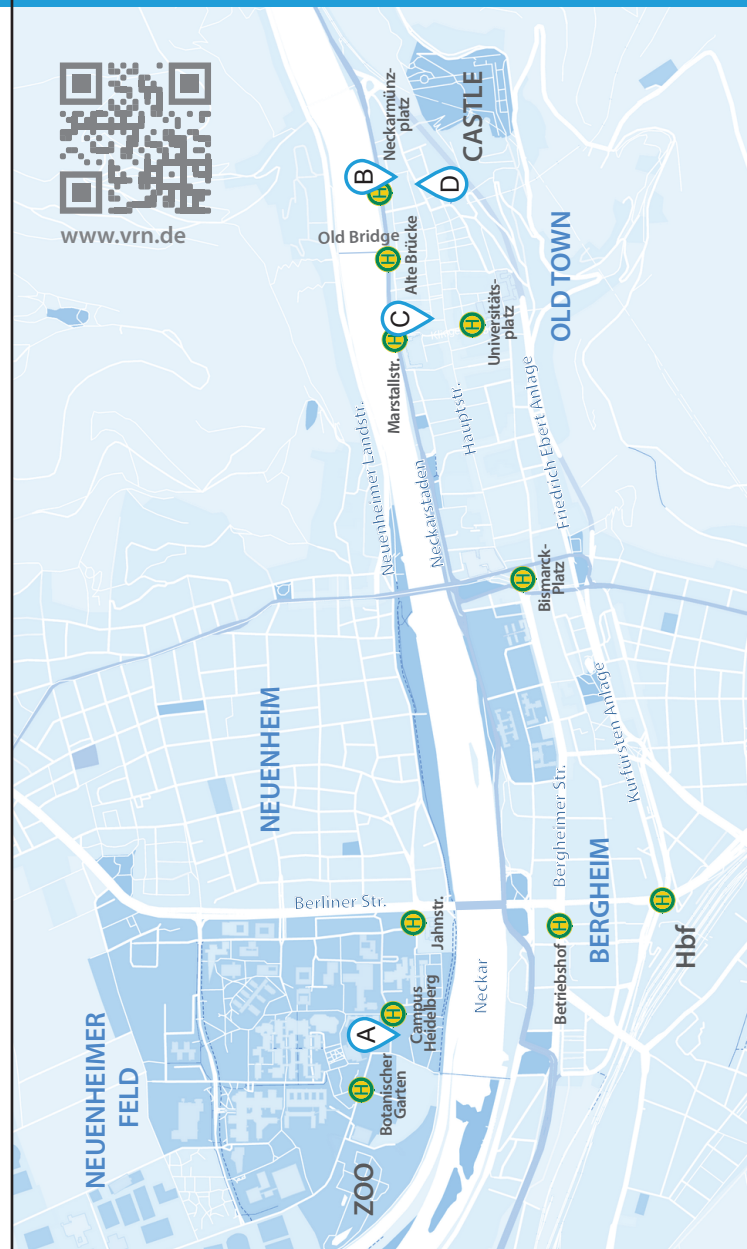
Contact

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For public transport please see: <https://www.vrn.de/>

Map & Traffic



SFB/TRR 186 International Symposium

Molecular Switches in the Spatio-Temporal Control of Cellular Signal Transmission



DFG Deutsche
Forschungsgemeinschaft

December 5-7, 2018
Marsilius Arkaden

Im Neuenheimer Feld 130, Heidelberg



Freie Universität



Berlin



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Schedule

Wednesday, 5th December 2018

11:30 – 13:00 Get together with a light lunch

13:00 – 13:15 Walter Nickel
Speaker of SFB/TRR 186
"Welcome & Introduction into SFB/TRR 186"

Session 1 Chair: Walter Nickel

13:15 – 13:45 Walter Nickel
Heidelberg University, Heidelberg, DE
"Unconventional secretion of fibroblast growth factor 2 – a direct gateway into the extracellular space"

13:45 – 14:15 David Ron
University of Cambridge, Cambridge, GB
"Early events in the Unfolded Protein Response"

14:15 – 14:45 Florian Heydt
Freie Universität Berlin, Berlin, DE
"Body temperature controlled kinase activity: mechanism and functional implications of a molecular thermometer"

14:45 – 16:45 Poster Session I

Session 2 Chair: Michael Boutros

16:45 – 17:15 Philippe Bastiaens
Max Planck Institute of Molecular Physiology, Dortmund, DE
"A synthetic morphogenic cell with sensory capabilities"

17:15 – 17:45 Peter Hegemann
Humboldt-Universität Berlin, Berlin, DE
"Ion selectivity of channelrhodopsins for cell biology applications"

17:45 – 18:15 Arnaud Echard
Institut Pasteur, Paris, FR
"Oxidation and reduction of F-actin during cytokinesis"

19:00 Reception with drinks and fingerfood



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Thursday, 6th December 2018

Session 3 Chair: Markus Wahl

9:00 – 9:30 Ilpo Vattulainen
Tampere University of Technology, Helsinki, FI
"Membrane proteins modulated by lipids and glycosylation: Insight revealed by sweetened simulation models"

9:30 – 10:00 Christian Freund
Freie Universität Berlin, Berlin, DE
"Protein autoinhibition in the presynapse"

10:00 – 10:30 Johannes Buchner
Technische Universität München, Munich, DE
"Controlled conformational switches in molecular chaperones"

10:30 – 11:00 Coffee Break

Session 4 Chair: Helge Ewers

11:00 – 11:30 Stephan Grill
Technische Universität Dresden, Dresden, DE
"Mechanochemical Pattern Formation"

11:30 – 12:00 Francesca Bottanelli
Freie Universität Berlin, Berlin, DE
"Zooming into Golgi biology with super-resolution imaging"

12:00 – 12:30 Kai Johnsson
Max Planck Institute for Medical Research, Heidelberg, DE
"Fluorescent and Bioluminescent Sensor Proteins"

12:30 – 13:30 Lunch
13:30 – 15:00 Poster Session II

Session 5 Chair: Frauke Melchior

15:00 – 15:30 Tobias Meyer
Stanford University, Stanford, US
"Sequential molecular switches drive cells out of quiescence into the cell cycle"

15:30 – 16:00 Doris Höglinger
Heidelberg University, Heidelberg, DE
"A lipid switch at organelle contact sites"

16:00 – 16:30 Howard Riezman
University of Geneva, Geneva, CH
"Sphingolipid metabolism and function"

16:30 – 17:00 Coffee Break

Session 6 Chair: Britta Eickholt

17:00 – 17:30 Sharon Tooze
The Francis Crick Institute, London, GB
"A role for ATG9A in autophagosome formation"

17:30 – 18:00 Hanspeter Herzel
Charité, Berlin, DE
"Molecular switches enable circadian rhythms"

18:00 – 18:30 Harald Stenmark
Oslo University Hospital, Oslo, NO
"Control of macropinocytosis and cancer cell invasion by phosphatidylinositol 3-phosphate binding proteins"

20:00 Conference Dinner
Speakers and SFB/TRR 186 Members

Friday, 7th December 2018

Session 7 Chair: Achim Kramer

9:00 – 9:30 Carrie Partch
University of California Santa Cruz, Santa Cruz, US
"Building circadian clocks from inherently slow switches"

9:30 – 10:00 Michael Brunner
Heidelberg University, Heidelberg, DE
"Molecular time switch: Progressive hyperphosphorylation of the intrinsically disordered clock protein FREQUENCY"

10:00 – 10:30 Alessia Ruggieri
Heidelberg University Hospital, Heidelberg, DE
"Molecular switches regulating stress granule oscillation"

10:30 – 11:00 Coffee Break

Session 8 Chair: Andrew Plested

11:00 – 11:30 Alexander Walter
Leibniz-Forschungsinstitut für Mol. Pharmakologie, Berlin, DE
"Tracing differences in lipid dynamics by diacylglycerol uncaging and mathematical modeling"

11:30 – 12:00 Margaret Stratton
University of Massachusetts, Amherst, US
"Unraveling the complexity of CaMKII activation"

12:00 – 12:30 Volker Haucke
Leibniz-Forschungsinstitut für Mol. Pharmakologie, Berlin, DE
"Phosphoinositide switches in endocytosis and endolysosomal nutrient signaling"

12:30 – 14:00 Light lunch / Departure