

**EINSTEIN
CENTER**
Neurosciences

Einstein Center
for Neurosciences Berlin



Opening Symposium Einstein Center for Neurosciences Berlin | December 8 - 10, 2016







Dear Friends and Colleagues,

We are very pleased to welcome you to the opening symposium of the new Einstein Center for Neurosciences in Berlin!

For us this Center means another crucial and exciting step towards developing Berlin as a hub of neuroscientific research with international visibility.

Our mission is to bring together the subdisciplines in the field of neurosciences to create a scientific landscape for integrative and interactive research. In doing so, our main aim is to attract excellent young researchers from around the world, encourage their ideas and train them in an interdisciplinary PhD program. We are convinced that investing in the interdisciplinary education of excellent young students will create a new generation of scientists with a comprehensive understanding of the complexity of neuroscientific research.

We are extremely delighted to welcome as speakers at our opening symposium so many highly renowned and influential neuroscientists who have already shaped our understanding of how the brain works – and we are excited to celebrate this important event together.

We are looking forward to many interesting and inspiring talks, and to sharing new perspectives and visions for the neurosciences for the future.

A handwritten signature in blue ink, consisting of two distinct, stylized parts.

Dietmar Schmitz

Coordinator, Einstein Center for Neurosciences Berlin

Thursday, December 8 | Veterinary Anatomical Theatre Tieranatomisches Theater

- 16.30 Registration
- 17.00 – 18.00 Opening | Dietmar Schmitz, Günter Stock, Michael Brecht
- 18.00 Reception

Friday, December 9 | Kopsch Lecture Hall

- 09.30 – 17.30 Scientific Talks
- Morning Session – Chair: Dietmar Schmitz
- 09.30 – 10.00 **Andreas Lüthi** | Neuronal circuit mechanisms for fear conditioning
- 10.00 – 10.30 **Hans-Christian Pape** | The extended amygdala – what it is and how it regulates responses to unpredictable threat
- 10.30 – 11.00 **Wolfram Schultz** | Neuronal signals for reward risk and formal economic utility
- 11.00 – 11.30 Coffee Break
- 11.30 – 12.00 **Jan Born** | The memory function of sleep
- 12.00 – 12.30 **David Papineau** | The skillful mind
- 12.30 – 13.00 **Eckart Gundelfinger** | Synapto-nuclear communication: potential implications for information storage in the brain
- 13.00 – 14.30 Lunch Break
- Afternoon Session – Chair: Constance Scharff
- 14.30 – 15.00 **Peter Jonas** | From synapses to networks
- 15.00 – 15.30 **Yosef Yarom** | The generation of temporal patterns in the cerebellar system

- 15.30 – 16.00 **Hannah Monyer** | GABAergic neurons:
from individual cells to networks
- 16.00 – 16.30 **Coffee Break**
- 16.30 – 17.00 **Edvard Moser** | Development of the entorhinal-hippocampal
space circuit
- 17.00 – 17.30 **Andreas Herz** | Decoding the population activity of grid cells
for spatial localization and goal-directed navigation
- 20.00 **Dinner and Party** | **Venue: Lecture Hall Ruin**

Saturday, December 10 | Kopsch Lecture Hall

- 09.30 – 13.00 **Scientific Talks**
- Morning Session – Chair: Michael Brecht**
- 09.30 – 10.00 **Avihu Klar** | Characterization of neuronal circuits for
coordinated limb movements in avian
- 10.00 – 10.30 **Michael Frotscher** | Mossy fiber synapses tell their history
- 10.30 – 11.00 **Bert Sakmann** | From single cells and single columns to
cortical networks
- 11.00 – 11.30 **Coffee Break**
- 11.30 – 12.00 **Brigitte Kieffer** | Opiates and the brain
- 12.00 – 12.30 **Magdalena Götz** | New neurons after brain injury – from
mechanisms to functional integration
- 12.30 – 13.00 **Arthur Konnerth** | Slow brain oscillations: from dendritic
spines to large-scale circuits
- 13.00 **Closing Remarks** | **End of Symposium**

Speakers



Jan Born
Universität Tübingen,
Germany



Peter Jonas
Institute of Science and
Technology Austria (IST),
Klosterneuburg, Austria



Michael Frotscher
Zentrum für Molekulare
Neurobiologie Hamburg
(ZMNH), Germany



Brigitte Kieffer
McGill University,
Montréal, Canada



Magdalena Götz
Helmholtz Zentrum
München and Ludwig-
Maximilians-Universität
München, Germany



Avihu Klar
The Hebrew University
of Jerusalem, Israel



Eckart Gundelfinger
Leibniz-Institut
für Neurobiologie
Magdeburg, Germany



Arthur Konnerth
Technische Universität
München, Germany



Andreas Herz
Ludwig-Maximilians-
Universität München,
Germany



Andreas Lüthi
Friedrich Miescher
Institute for Biomedical
Research (FMI), Basel,
Switzerland



David Papineau
King's College London,
UK



Hannah Monyer
Deutsches
Krebsforschungszentrum
and Universitätsklinikum
Heidelberg, Germany



Bert Sakmann
Max-Planck-Institut für
Neurobiologie (MPIN),
Martinsried, Germany



Edvard Moser
Norwegian University of
Science and Technology
(NTNU), Trondheim,
Norway



Wolfram Schultz
University of Cambridge,
UK



Hans-Christian Pape
Westfälische Wilhelms-
Universität Münster,
Germany



Yosef Yarom
The Hebrew University of
Jerusalem, Israel

Venue



- Veterinary Anatomical Theatre
- Kopsch Lecture Hall
- Lecture Hall Ruin

Thursday, December 8, 2016

Veterinary Anatomical Theatre

(Tieranatomisches Theater)

Philippstraße 12/13 | 10115 Berlin

Friday, December 9, 2016

Kopsch Lecture Hall

Campus Charité Mitte

Charitéplatz 1 | 10117 Berlin

Campus Address

Philippstr. 12 | 10115 Berlin

Friday, December 9, 2016

Party/Live Band (places are limited)

**Lecture Hall Ruin in the Berlin Museum
of Medical History**

Campus Charité Mitte

Charitéplatz 1 | 10117 Berlin

Campus Address

Virchowweg 16

Saturday, December 10, 2016

Kopsch Lecture Hall

Campus Charité Mitte

Charitéplatz 1 | 10117 Berlin

Campus Address

Philippstr. 12 | 10115 Berlin

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