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**UNIVERSITÄT  
BERN**

## Clinical Neuroscience Bern

Friday, 8<sup>th</sup> of September 2017, 9.00 – 17.45  
Inselspital, Auditorium Ettore Rossi, Kinderklinik  
Entrance 31b

12<sup>th</sup>

# Annual Meeting Neuroplasticity

The lower half of the poster features a vibrant red background. Overlaid on this are several 3D rendered structures that resemble biological cells or neural networks. These structures are primarily white and light grey, with some red elements. They have multiple, thin, branching protrusions extending outwards, giving them a star-like or dendritic appearance. The lighting is dramatic, with a bright light source creating a lens flare effect on the left side, highlighting the intricate details of the structures.

# Dear Scientists

We are very pleased to invite you to the 12<sup>th</sup> annual meeting of the university network Clinical Neuroscience Bern (CNB). This year's meeting with the overall topic «Neuroplasticity» will take place on the 8<sup>th</sup> of September 2017 in the Auditorium Ettore Rossi (Inselsspital).

CNB was founded by research groups of the Faculty of Human Sciences and the Faculty of Medicine in 2004 with the goal to foster neuroscientific research in Bern. In 2016 the Vetsuisse Faculty joined the network. Currently, 58 research groups of the three faculties are represented in the network. The research topics of the individual groups include basic research aiming to understand the function of individual neurons, analysis of functional systems but also clinical studies and the development of new technologies.

With the CNB annual meeting we aim to improve information exchanges and promote cooperation with internal and external partners. The congress provides young researchers with the opportunity to present their ideas and research achievements by talks (selected from submitted abstracts), during the poster session, or with a contribution in one of the different symposia. We kindly invite members and non-members to register and to submit abstracts. Scientists from other faculties and universities are also very welcome to attend.

We are pleased that the event will start with a welcome address by Prof. Hans-Uwe Simon, Dean of the Faculty of Medicine. The program will also include keynote lectures of Prof. Lutz Jäncke (University of Zurich) and Prof. Grégoire Courtine (EPFL).

We hope that the program piques your interest and are very much looking forward to welcoming you at the CNB annual meeting 2017.



Prof. Dr. med. Claudio Bassetti, for the CNB Strategic Board



PD Dr. med. Sebastian Walther, CNB Executive Committee



Prof. Dr. Tobias Nef, CNB Executive Committee

# Program 12<sup>th</sup> Annual Meeting Clinical Neuroscience Bern

«Neuroplasticity»

Friday, 8<sup>th</sup> of September 2017, 9.00 – 17.45

Inselspital, Auditorium Ettore Rossi, Kinderklinik, Entrance 31b

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08.00 – 09.00 Registration and Poster Setup

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09.00 – 09.15 **Welcome addresses**

Hans-Uwe Simon, Dean Faculty of Medicine

Claudio Bassetti, for the CNB Strategic Board

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09.15 – 10.00 **Key-note 1**

*Journey through the development of neuroprosthetic technologies to restore leg motor control after spinal cord injury*

Grégoire Courtine, Center for Neuroprosthetics and Brain Mind Institute, EPFL

Chair: Tobias Nef

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10.00 – 10.30 Coffee break

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10.30 – 11.30 **Short talks, 4 selected abstracts à 10 minutes**

Chair: Sebastian Walther

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11.30 – 12.15 **Key-note 2**

*The plastic human brain: specialisation of the specialists*

Lutz Jäncke, Department of Psychology, University of Zurich

Chair: Sebastian Walther

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12.15 – 13.45 **Poster Session + Lunch**

13.45 – 14.45	<b>Parallel symposium I</b> <i>Gestural and fine motor deficits across neuropsychiatric disorders</i>  Chair: Stephan Bohlhalter & Sebastian Walther  Auditorium Ettore Rossi	<b>Parallel symposium II</b> <i>Regenerative neuroscience</i>  Chair: Volker Enzmann  Dermatologie Hörsaal B113
14.45 – 15.15	<b>Coffee break</b>	
15.15 – 16.15	<b>Parallel symposium III</b> <i>Promoting neuronal plasticity in neuropsychiatric disorder</i>  Chair: Stefan Klöppel & Christoph Nissen  Auditorium Ettore Rossi	<b>Parallel symposium IV</b> <i>Neuroinflammatory diseases</i>  Chair: Anna Oevermann  Dermatologie Hörsaal B113
16.30 – 16.45	<b>Poster awards + closing remarks</b> – Clinical research – Basic research animal – Basic research human  Chair: Sebastian Walther	
16.45 – 17.45	<b>CNB Group leader's meeting</b> on special invitation only  Chair: Tobias Nef	
17.45	<b>End of Meeting</b>	

# General information

## CNB Executive Committee

Tobias Nef, Sebastian Walther, Benoît Zuber, Antoine Adamantidis,  
Urs Fischer, Thomas König, Roland Wiest

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## CNB Strategic Board

Claudio Bassetti, Hans-Uwe Simon, Fred Mast, Andreas Zurbriggen,  
Britta Engelhardt, Jan Gralla, Stephen Leib, Thomas Nevian, Walter Perrig,  
Andreas Raabe, Werner Strik, Daniel Surbek, Stefan Weber

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## Poster Award Committee

Sebastian Walther, Daniela Hubl, Thomas König, Roland Wiest,  
Benoît Zuber

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## Organization/Contact

Romina Theiler  
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E-mail: romina.theiler@insel.ch

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## Registration

Please register on [www.neuroscience.unibe.ch](http://www.neuroscience.unibe.ch) **by August 6, 2017**.  
The participation is free of costs.

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## Abstracts, posters and talks

Language for abstracts, short talks, posters and symposia is English.  
The executive committee will decide about acceptance.

Please submit your abstract on [www.neuroscience.unibe.ch](http://www.neuroscience.unibe.ch). Deadline  
for abstract submission is **August 6, 2017**. Abstract submission will be  
closed after that date.

If submitting an abstract please indicate your preferred presentation type:  
Poster only, talk only or talk AND poster. Further, please choose one of the  
three research categories which fits best your research topic: Clinical  
research, basic research animal or basic research human.

Four abstracts submitted in the categories talk only and talk and poster  
will be selected for the short talks. Authors will be notified by the end of  
August 2017.

Duration of talks: 10 min, and 5 min discussion.

The poster format is max A0 portrait (w84cm x h120cm).

Poster prizes will be presented by Sebastian Walther. All participants  
presenting a poster are eligible.

Poster prizes

- Clinical research CHF 500.–
- Basic research animal CHF 500.–
- Basic research human CHF 500.–

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## Credits/Education

Graduate School for Health Sciences / ECTS: Full day participation as first author of poster presentation or talk will be credited with 1 ECTS-Point for PhD students.

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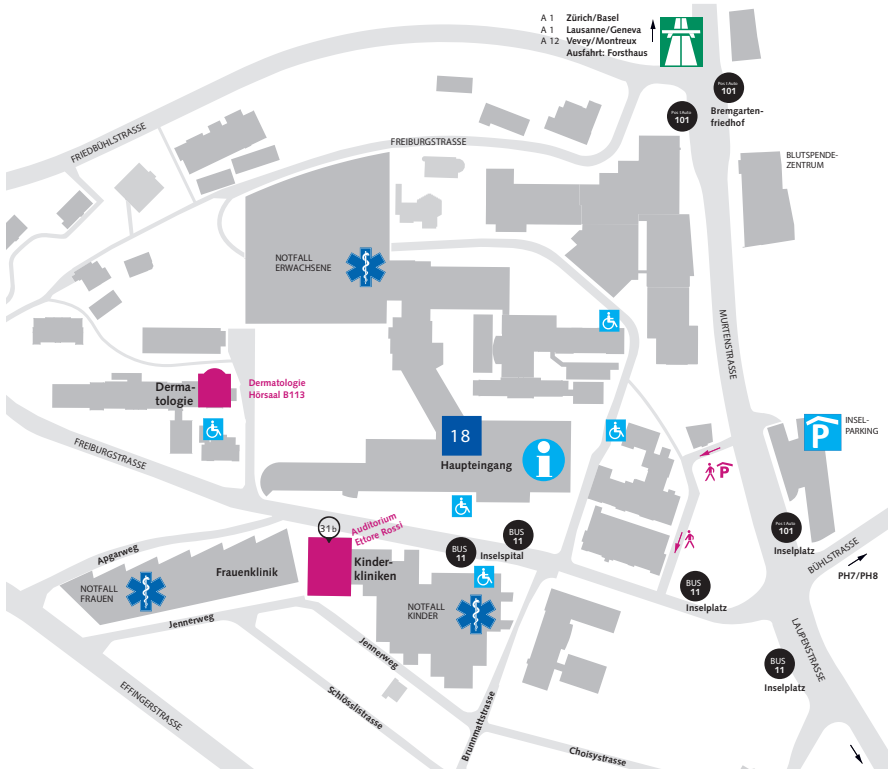
## Venue

Inselspital, Auditorium Ettore Rossi, Kinderklinik, Entrance 31b

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## Directions

By public transportation from Bern main station:  
Bus No. 11, direction Inselspital-Holligen, bus stop «Inselspital»



## Sponsors

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We kindly thank our

Main-sponsors:



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