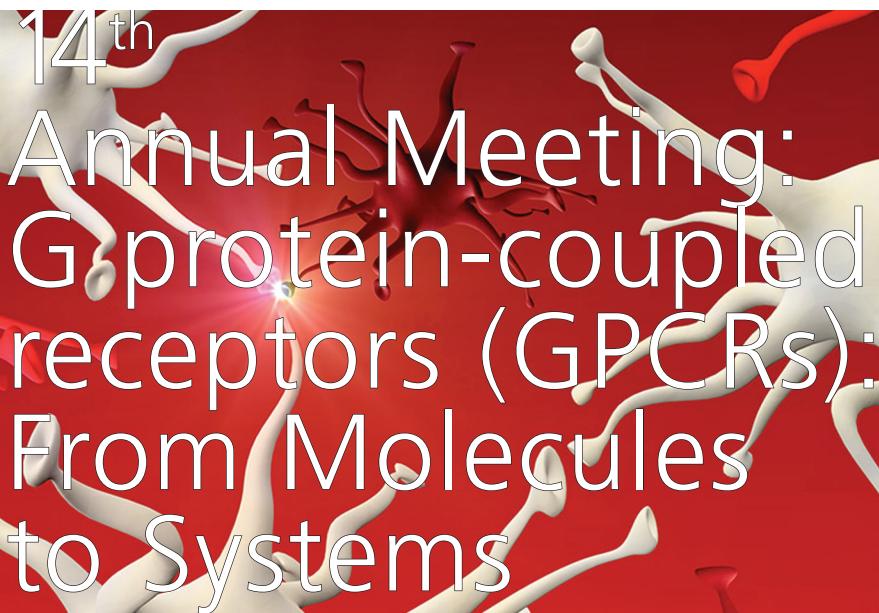


## Clinical Neuroscience Bern

Friday, 14<sup>th</sup> of June 2019, 9.00 – 17.45  
University of Bern, UniS Room A003  
Schanzeneckstrasse 1



14<sup>th</sup>  
Annual Meeting:  
G-protein-coupled  
receptors (GPCRs):  
From Molecules  
to Systems

## Dear Scientists


We are very pleased to invite you to the 14<sup>th</sup> annual meeting of the university network Clinical Neuroscience Bern (CNB). This year's meeting with the overall topic «G protein-coupled receptors (GPCRs): From Molecules to Systems» will take place on the 14<sup>th</sup> of June 2019 at UniS, University of Bern.

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, 68 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. This year's program includes keynote lectures of Prof. Chris Tate (MRC Laboratory of Molecular Biology, UK) and Prof. Ron Stoop (University of Lausanne, CH).

Further, 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 to 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 hope that the program piques your interest and are very much looking forward to welcoming you at the CNB annual meeting 2019.



Prof. Dr. med. Claudio Bassetti  
CNB Strategic Board



Prof. Dr. Benoît Zuber  
CNB Executive Committee



Prof. Dr. Antoine Adamantidis  
CNB Executive Committee

# Program 14<sup>th</sup> Annual Meeting

## GPCRs: From Molecules to Systems

### Clinical Neuroscience Bern

Friday, 14 June 2019, 9h00 – 17h45  
University of Bern, UniS Room A003, Schanzeneckstrasse 1

08.00 – 09.00 **Registration and Poster Setup**

---

09.00 – 09.15 **Welcome address**  
Claudio Bassetti, CNB Strategic Board

---

09.15 – 10.15 **Key-note 1**  
G protein-coupled receptors: the structural basis for their pharmacology  
Chris Tate, MRC Laboratory of Molecular Biology, UK  
Chair: Benoît Zuber

---

10.15 – 10.45 **Coffee break**

---

10.45 – 11.45 **Short talks, 4 selected abstracts à 10 minutes**  
Chair: Benoît Zuber

---

11.45 – 12.45 **Key-note 2**  
How oxytocin can transform the processing of fear  
Ron Stoop, University of Lausanne, CH  
Chair: Antoine Adamantidis

---

12.45 – 14.15 **Lunch**

---

13.15 – 14.15 **Poster session**

---

14.15 – 15.15 **Parallel symposium I**  
Opsins, the prototypical GPCRs: evo-devo, visual cycle, optogenetics and machine learning  
Chairs:  
Pascal Escher, Achim Stocker  
Room A003

---

**Parallel symposium II**  
Translational research approaches in neuroimmunology  
Chairs:  
Robert Hoepner, Lisa Schrewe  
Room A022

---

15.15 – 15.45 **Coffee break**

---

15.45 – 16.45 **Parallel symposium III**  
Stroke  
Chairs:  
Britta Engelhardt, Urs Fischer  
Room A003

---

**Parallel symposium IV**  
Emotional processing in amygdalar and hippocampal neural circuits  
Chair:  
Stéphane Ciocchi  
Room A022

---

17.00 – 17.15 **Poster awards + closing remarks**  
– Clinical research  
– Basic research animal  
– Basic research human  
Chair: Antoine Adamantidis

---

17.15 – 17.45 **CNB Group leader's meeting**  
on special invitation only  
Chair: Tobias Nef

---

17.45 **End of Meeting**

# General information

## CNB Executive Committee

Tobias Nef, Sebastian Walther, Antoine Adamantidis, Urs Fischer, Thomas König, Beat Meier, Daniela Schweizer, Roland Wiest, Benoît Zuber

## CNB Strategic Board

Claudio Bassetti, Hans-Uwe Simon, Tina Hascher, David Spreng, Britta Engelhardt, Jan Gralla, Stephen Leib, Fred Mast, Thomas Nevian, Andreas Raabe, Werner Strik, Daniel Surbek, Stefan Weber

## Poster Award Committee

Maxime Baud, Carolina Gutierrez Herrera, Sonja Kleinlogel, Thomas König, Shankar Sachidhanandam, Smita Saxena, Leila Tarokh, Sebastian Walther, Roland Wiest

## Contact

Romina Theiler  
Phone: +41 (0)31 632 55 94  
E-mail: romina.theiler@insel.ch

## Registration

Please register on [www.conftool.com/cnbam2019](http://www.conftool.com/cnbam2019) by **May 12, 2019**. The participation is free of costs.

## 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 (free contribution) on [www.conftool.com/cnbam2019](http://www.conftool.com/cnbam2019). Deadline for abstract submission is **May 12, 2019**. Editing of submitted abstracts is possible until June 5, 2019.

When submitting an abstract please choose one of the three research categories which fits best your research topic: Clinical research, basic research animal or basic research human.

All free contributions will automatically be considered for poster presentation. Among all submissions, four outstanding abstracts will further be selected as short talks.

Authors will be notified by the end of May 2019.

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 Antoine Adamantidis. All participants presenting a poster are eligible for it.

## Poster prizes

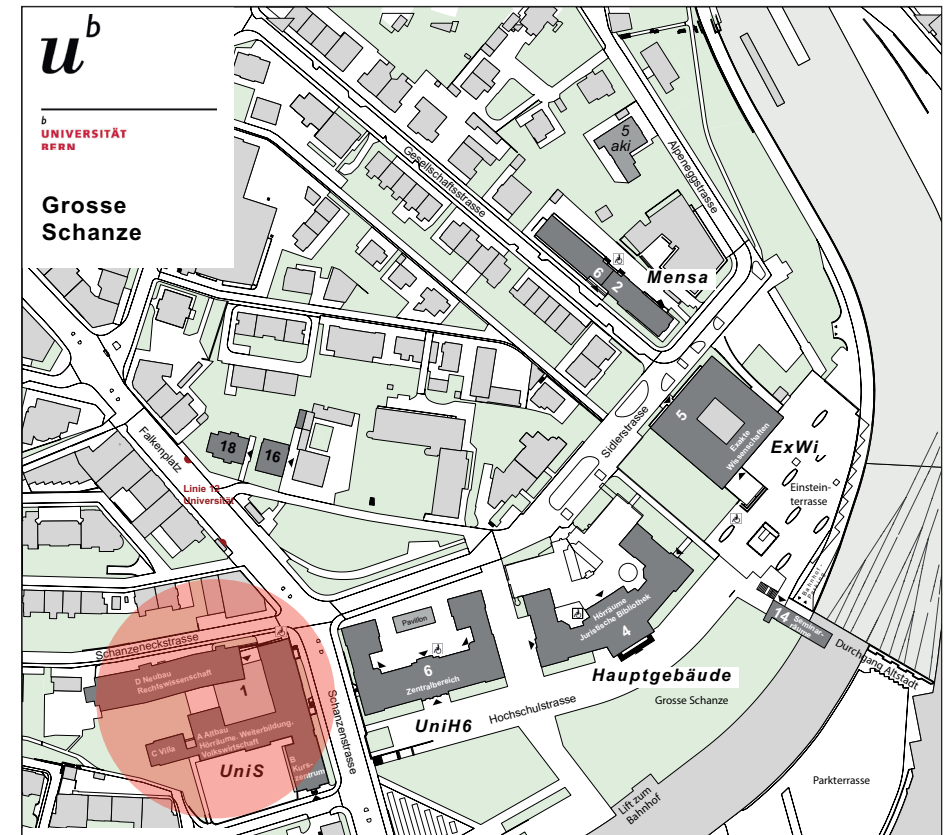
- Clinical research CHF 500.–
- Basic research animal CHF 500.–
- Basic research human CHF 500.–

## 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.

## Venue

University of Bern, UniS, Room A003, Schanzeneckstrasse 1, 3012 Bern



## Sponsors

---

We kindly thank our

Main-sponsors:



**u<sup>b</sup>**

UNIVERSITÄT  
BERN

Faculty of Medicine

Co-sponsors:

**u<sup>b</sup>**

UNIVERSITÄT  
BERN

Faculty of Human Sciences



**NEUROLITE**

Advanced Medical Solutions

University of Bern  
Clinical Neuroscience Bern  
c/o INSELSPITAL  
Department of Neurology  
Romina Theiler  
3010 Bern  
Phone: +41 (0)31 632 55 94  
E-mail: [romina.theiler@insel.ch](mailto:romina.theiler@insel.ch)  
[www.neuroscience.unibe.ch](http://www.neuroscience.unibe.ch)  
[www.conftool.com/cnbam2019](http://www.conftool.com/cnbam2019)