

Venue of the meeting

University of Bonn Main Building

Hörsaal 1 and Aula

Am Hof 1
53113 Bonn, Germany

Registration desk is in the Aula

How to find us

From the Cologne/Bonn Airport

Taxi to Bonn centre, approx. 25 km/45 Euros, or Airport Express Bus (SB 60) to Bonn Central Station (30 minutes).

From the Frankfurt Airport

When landing at Frankfurt Airport (160 km from Bonn), you need to take the Rapid Train (ICE) to Siegburg/Bonn. Be careful: Not all ICE trains travelling in the Cologne direction stop in Siegburg/Bonn.

From the Düsseldorf Airport

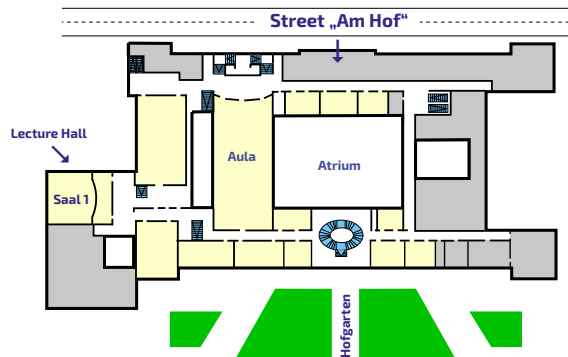
When landing in Düsseldorf Airport (85 km from Bonn) take a train (ICE, IC or EC) to Bonn Central Station (50 minutes).

Siegburg Central Station

The taxi from Siegburg to University of Bonn Main building (16 km/20 minutes) costs about 30 Euros. You can also take public transportation (tram 66 to Bonn Central Station).

Bonn Central Station

The University of Bonn Main building is located in walking distance to the central station. Coming from the central bus station you can follow **Wesselstraße** which leads to the street **Am Hof**. The University Main Building is on the right side.



Organizers

Prof. Dr. Sandra Blaess, Prof. Dr. Christian Henneberger and Dr. Martin K. Schwarz

For further information, please contact

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E: info@bonnbrain.de

Party location

N8Lounge

Franzstr. 41, 53111 Bonn

Art Competition

12 original neuroscience artworks will be shown in the Aula and are awaiting your votes.

Prize: Nikon Camera

sponsored by

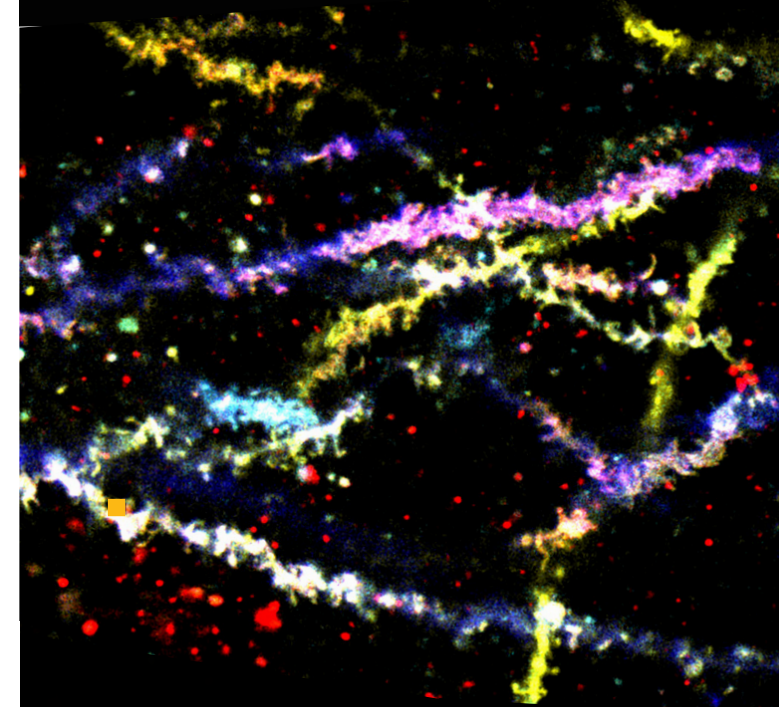


Partners



5th Neuroscience Meeting in Bonn

March 25-27, 2019



Featuring

Talks & Poster Sessions
Short Talks & Lightning Talks by Junior Scientists
Poster Prizes for Postdocs and PhD Students
Young Investigator Research Session
Neuroscience Art Competition

PROGRAM

**ZEISS and BIGS Neuroscience
Poster Prizes for
PhD students and Postdocs**

Monday, March 25, 2019

09:00 - 13:00 Young Investigator Research Session - Hörsaal 1

09:00 Session I - 4 talks by Young Investigators

10:00 COFFEE BREAK - Aula

10:30 Session II - 4 talks by Young Investigators

11:30 COFFEE BREAK - Aula

12:00 Session III - 4 talks by Young Investigators

13:00 LUNCH BREAK - Aula

13:50 Opening Bonn Brain³ 2019 - Hörsaal 1

14:00 Session I - Stem Cells and Development

Chair: Susanne Schoch

14:00 **Benedikt Berninger:** Engineering neurogenesis for the postnatal brain

14:30 **Oliver Brüstle:** Programming stem cells for neurological disease modeling and therapy development

15:00 **Simon Hippenmeyer:** Mechanisms generating cell-type diversity in the cerebral cortex

15:30 COFFEE BREAK - Aula

16:00 **Presentation of Core Facilities**
Medical Faculty, University of Bonn

Tuesday, March 26, 2019

09:00 Session II - Unraveling Brain Structure

Chair: Martin Fuhrmann

09:00 **Valentin Nägerl:** Mind the gap: super-resolution shadow imaging of brain extracellular space

09:30 **Rainer Friedrich:** Connectivity and computations of the olfactory bulb

10:00 **Pavel Osten:** Mapping the brain at cellular resolution: region and gender-specific differences

10:30 Young Investigator Talk

10:45 Lightning Talk Session 1

11:00 COFFEE BREAK - Aula

11:30 Session III - From Neuronal Circuits and Glia to Behaviour

Chair: Dirk Dietrich

11:30 **Ofer Yizhar:** Cortical representations of social information in mice

12:00 **Valery Grinevich:** Oxytocin signaling in the social brain

12:30 **Maarten Kole:** Shining light on the myelin sheath physiology

13:00 **Lightning Talk Session 2**

13:15 LUNCH BREAK - Aula

14:30 - 16:00 **Poster Session I (presentation of posters with even numbers)**

16:00 COFFEE BREAK - Aula

16:30 Session IV - Circuits and Behavior

Chair: Laura Ewell

16:30 **Ilona Grunwald Kadow:** Internal state-dependent decision making

17:00 **Ingrid Ehrlich:** Role of Amygdala intercalated cells in fear circuits

17:30 **Anton Sirota:** Behavioral state code in hippocampus

18:00 COFFEE BREAK - Aula

18:30 Keynote Lecture

Chair: Christian Henneberger

Andrea Volterra: Decoding the language of astrocytes via 1D-to-3D Ca²⁺ imaging

20:00 **SPEAKER'S DINNER (Speakers and invited guests only)**

Wednesday, March 27, 2019

09:00 Session V - Glutamatergic Synapses and Astroglia

Chair: Gabor Petzold

09:00 **Thomas Papouin:** Is the answer in the stars?

09:30 **Laurent Groc:** Nanoscale organization and dynamics of glutamate receptors

10:00 Young Investigator Talk

10:15 Lightning Talk Session 3

10:30 COFFEE BREAK - Aula

11:00 Session VI - Hippocampal Information Processing

Chair: Stefan Remy

11:00 **Jill Leutgeb:** Dentate network computations for memories and decisions

11:30 **Liset de la Prida:** The hippocampus unfolded: a sublayer-specific perspective of hippocampal function

12:00 **Josef Bischofberger:** Dendritic inhibition via nonlinear alpha5-GABAA receptors

12:30 **Lightning Talk Session 4**

12:45 LUNCH BREAK - Aula

14:00 - 15:30 **Poster Session II (presentation of posters with odd numbers)**

15:30 COFFEE BREAK - Aula

16:00 Session VII - Circuit Development

Chair: Gaia Tavosanis

16:00 **Julia Kaltschmidt:** Understanding neuronal circuitry underlying locomotion and gut motility

16:30 **Natalia de Marco Garcia:** Role of network activity in the development of inhibitory circuits

17:00 **Beatriz Rico:** Molecular programs orchestrating the wiring of different inhibitory circuits

17:30 COFFEE BREAK - Aula

18:00 Keynote Lecture

Chair: Heinz Beck

Troy Margrie: A cortical circuit for integrating internal and external motion cues

19:00 **Art Competition & Poster Prizes**

From 21:00 Bonn Brain³ Party at N8Lounge

Poster Prizes

3 prizes for PhD students and Postdocs sponsored by



Art Competition Prize

Nikon camera

