New Max-Planck Center with the Hebrew University Jerusalem.

### Science

### Partners

The Max Planck Institute of Neurobiology in Martinsried, Germany and The Edmond and Lily Safra Center for Brain Sciences at the Hebrew University of Jerusalem, Israel.

### Principal Investigators

Profs. Alex Borst, Idan Segev (Directors), Tobias Bonhoeffer, Moritz Helmstaedter, Adi Mizrahi, Bert Sakmann, Haim Sompolinsky

### Mission

The new Center will embark on new and innovative collaborative research projects on the organization and function of brain sensory processing, focusing on unraveling the causal relationships between neuronal mechanisms and perception, cognition and behavior, at the neuronal circuit level. A central goal of the Center is to understand at what stage and how sensory processing changes and is changed by the behavioral state of the animal. This will be achieved by studying sensory processing in behaving animals, utilizing state of the art experimental, computational and theoretical approaches across different model systems (fly and mouse) and different sensory systems (vision, somatosensation, audition). Research at
the Center will shed light on the dynamic nature of sensory processing of the brain in action.

**Max Planck Junior Fellows**
The Max Planck Junior Fellowship is a non-tenure track position. Recipients of this fellowship will be exceptionally talented researchers at the postdoctoral level. Each fellow will join one of the labs of the center, but will work largely independently with his/her own research budget and possibly research assistants / PhD students. The term of the appointment is for 3-5 years. Fellows will spend part of their time at the HU and part at the Max Planck Institute, which will guarantee the creation of concrete and visible joint research programs. A joint selection committee will select the fellows.

**Other Collaborative Activities**
The Center will fund Members? students and postdocs that work on joint research between the two partners, as well as visits of junior and senior researchers to their partner?s labs. The Center will hold joint seminars and journal clubs using modern video conferencing facilities, and an annual retreat. In addition, it will sponsor workshops and conferences in line with its research goals and interests.

**Applications**
Applications for Max Planck Junior Fellows should be sent to both Prof. Alex Borst (aborst@neuro.mpg.de) and Prof. Idan Segev (idan@lobster.ls.huji.ac.il).

Links:

Max Planck Institute of Neurobiology

?The 2017 ELSC Annual Retreat ? Competitive Travel Grants for Advanced PhD Students
Competitive Travel Grants For Advanced PhD Students to present their work on the 2017 ELSC Annual Retreat January 29-31, Kibbutz Ein Gedi, Israel.
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Fellowships for graduate and post-doctoral research in theoretical neuroscience
Fellowships for graduate and post-doctoral research in theoretical neuroscience at the Hebrew University
Fellowships for graduate and post-doctoral research in theoretical neuroscience

UPCOMING EVENTS

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Studying at ELSC

Our Int'l Ph.D. program provides outstanding students with top-notch courses in computational neuroscience.

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The Building

The Jerusalem Brain Sciences Building will provide a state-of-the-art research and teaching facility for the Edmond and Lily Safra Center for Brain Sciences.

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