In vivo intracellular recordings of neuronal activity and optogentic control of this activity are leading methods in modern neuroscience research. The goal of the course is to acquaint young experimental neuroscientists (PhD & PostDoc) with these techniques. The twelve-day workshop will be held at the Hebrew University of Jerusalem at the Edmond J. Safra Campus in Jerusalem, Israel. It will include lectures and an extensive experimental lab, in which the participants will perform intracellular recordings from cortical neurons and applied optogenetics tools to activate these neurons in the anaesthetized and awake preparations. Lectures by internationally acclaimed scientists will demonstrate the power of these approaches in solving major questions in brain research.

**Organizers:**

- Yosi Yarom - Hebrew University
- Ilan Lampl - Weizmann Institute
- Mickey London - Hebrew University
- Arthur Konnerth - Technical University of Munich

**Invited Faculty:**

- Michael Brecht
- IanDuguid
- Ofer Izhari
- Jackie Schiller
- Israel Nelken
- Nicholas Priebe
- Michal Rivlin
- Mavi Sanchez-Vives
- Jan Schnupp
- Gilad Silberberg
- Helmuth Adelsberger
Sponsors:

- ELSC
- NeuroCure
- SyNerg

The course will take place at Edmond J Safra campus in Jerusalem, Israel. Registration fees include room and board (as well as social events)

Registration Fees: 1200 USD (after acceptance)

Applications should include: Cover letter, CV, list of publications and a recommendation letter

Register here

Email for further information: emanuel.sestieri@mail.huji.ac.il

APPLICATION DEADLINE: 30-05-2017
Learn more about our exciting upcoming events!

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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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