



School on Neurotechniques 2015

The toolbox for investigating the function of neural circuits

March 23 - 27, Padova- Italy

Speakers:

Luca Berdondini Italian Institute of Technology, Genova

Paolo Del Giudice National Institute of Health, Italy

Stefano Ferraina University of Rome 'La Sapienza'

Marta Giacomello University of Padua

Michele Giugliano University of Antwerp

Bernd Kuhn OIST, Okinawa, Japan

Gabriele Losi CNR Institute of Neuroscience, Padova

Sergio Martinoia University of Genova

Marcello Massimini University of Milan

Silvestro Micera EPFL Lousanne & SSSUP

Ofer Yizhar Weizmann Institute of Science, Tel Aviv

Stefano Panzeri Italian Institute of Technology, Rovereto

Patrick Ruther University of Freiburg

Roland Thewes University of Berlin

Paul Verschure Pompeu Fabra University, Barcelona

Guenther Zeck NMI at the University of Tuebingen,

Ralf Zeitler MPI for Intelligent Systems, Stuttgart

Topics:

- Multi-electrode and multi-transistor arrays
- Implantable brain probes for acute and chronic recording
- Calcium imaging
- Voltage sensitive dye imaging
- Optogenetics
- Transcranial magnetic stimulation and EEG
- Mixed electrophysiology, genetics and behavior approaches
- Information theory and the analysis of neuronal population signals
- Closed-loop electrophysiology and hybrid neuromorphic-neural systems

Target Audience

PhD students
postdoctoral researchers
scientists working in related fields

Registration at www.vassanellilab.eu/school-neurotechniques/

on or before February 20, 2015 - No registration fee.

The number of seats is limited. (Sponsored by the European Commission, Project CSNII cnetwork.eu & University of Padova)

