The Cajal Advanced Neuroscience Training Programme

a FENS and IBRO initiative in partnership with Bordeaux Neurocampus and the Champalimaud Foundation

Advanced Techniques for Synapse Biology
10 October 2015 - 31 October 2015
Bordeaux, France

About the Cajal Advanced Neuroscience Training Programme

This new training initiative in Neuroscience, held in two major European neuroscience facilities, combines lectures by renowned scientists with methodological training sessions, by guiding the students through hands-on experiments within the frame of short scientific projects.

Visit the CAJAL section on the FENS website to apply. Applications deadline: 15 June 2015.

An initiative by

Champalimaud Foundation
FINS (Federation of European Neuroscience Societies)
IBRO (International Brain Research Organization)

About the course: Advanced Techniques for Synapse Biology

Topics
- Cellular and molecular biology of synaptic proteins
- In vitro and in vivo gene transfer
- Synaptogenesis studies in living neurons
- Synapse physiology (patch clamp)
- Live imaging techniques
- Photomanipulation in living tissue and optophysiology
- Superresolution imaging
- Morphology, electron microscopy
- Single-particle tracking methodologies

Model systems
Rodent & human neurons in culture, brain slices, invertebrate synapses (D. melanogaster, C.elegans) and chromaffin cells.

Keynote speakers
Daniel Choquet, Yuki Goda, Eric Jorgensen, Hannah Monyer, Christophe Mulle, Maria Passafaro, Erwin Neher, Jakob B. Sorensen, Matthijs Verhage.

Instructors
Mario Carta, Niels Cornelisse, Camin Dean, Paulo Cesar da Silva Pinheiro, Joris de Wit, Stefan Eimer, Laurent Groc, Yann Humeau, Christoph Koerber, Thomas Kuner, Ira Milosevic, Rafael Miras, Valentin Nagler, Janet Richmond, Nathalie Sans, Jean-Baptiste Sibarita, Ody Sibon, Ruud Toonen, Patrik Verstreken, Noam Ziv.

Course director: Matthijs Verhage
On-site chairs: Laurent Groc and Nathalie Sans.

Local contact: Antonella Caminiti
antonella.caminiti@u-bordeaux.fr

Sponsored by

www.fens.org