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: 29 May 2015.

An initiative by

Bio-Neuroinformatics for the Neuroscientist
21 September 2015 - 2 October 2015
Bordeaux, France

About the course:
Bio-Neuroinformatics for the Neuroscientist

Topics
- Foundational knowledge: Usage of R, manipulation of large amount of NGS data
- Genomics: genome databases, Ensembl, genome-wide association studies
- Epigenetics: DNA methylation, histone marks, bisulfite sequencing and ChIP-seq
- Functional genomics: Analysis of RNA-seq data, Expression atlas, Gene Ontology and pathway enrichment
- Proteomics, Metabolomics: Basic principles of mass-spectrometry and NMR, relevant databases, synaptic proteome
- Network biology: Network inference, Interactomes and pathways databases, Cytoscape, network enrichment

Faculty:
- Julio Banga (Instituto Investigaciones Marinas, Spain)
- Sven Bergmann (University of Lausanne, Switzerland)
- Laura Furlong (Pompeu Fabra University, Spain)
- Padraig Gleeson (UCL, UK)
- Pierre de la Grange (Genosplice, France)
- Christophe Junot (CEA, France)
- Olivier Kirsh (Université Paris Diderot, France)
- Reiner Veitia (Institut Jacques Monod, France)
- Alejandro Villaverde (Instituto Investigaciones Marinas, Spain)

Course directors: Nicolas La Novère, Marie-Claude Potier. On-site chair: Macha Nikolski.

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