

Workshop

Introduction to experimental neuroscience

July 19 to 31 (2021)

> This workshop offers a unique opportunity to discover methods and concepts in neuroscience research through hands-on training within the premises of the Bordeaux School of Neuroscience

> Participants from various fields of science follow case-based training by taking part in mini-projects supervised by experienced doctoral students and international experts in neuroscience.

> They will also take part in a series of miniprojects under the supervision of experienced doctoral students and international experts in neuroscience.



Program

This workshop focuses on basic neuroscience concepts and methods. It includes short lectures and hands-on experiments through mini-projects covering questions and techniques used in modern neuroscience research laboratories. Topics covered include:

- Cell biology and imaging
- Molecular and cellular biology, transcriptomics
- In vivo surgery, gene transfer
- Anatomy, brain clearing, connectomics and electron microscopy
- In vitro electrophysiology and optogenetics
- In vivo electrophysiology and imaging
- Behavior
- Human neuroscience
- Neurocomputation

This project-based training will allow participants to better understand and practice basic experimental approaches in neuroscience research.

A panel of experts

International experts from different areas of neuroscience will supervise the program organization:

Muriel Darnaudery : Rodent behavior

Xavier Fioramonti : Electrophysiology

Jean-Louis Guillou : Rodent behavior

Marc Landry : Microscopy

Arthur Leblois : Networks and neurocomputation

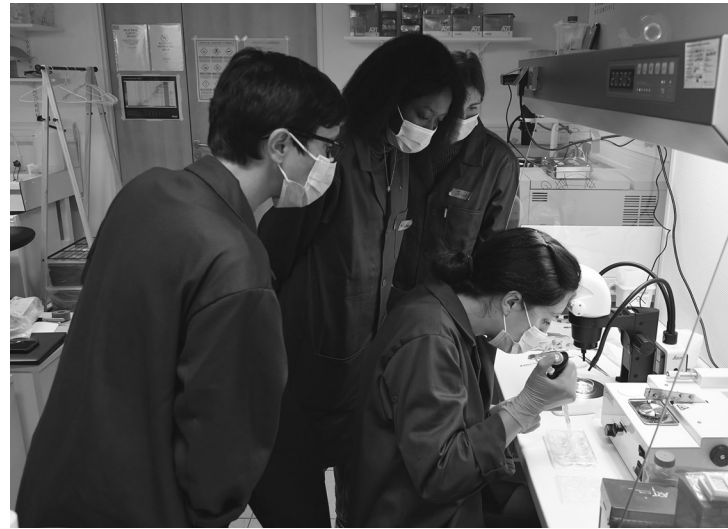
Christophe Mulle : Electrophysiology

David Perrais : Cellular neurobiology

Each mini-project will be supervised by experienced doctoral students.

Interested to be an instructor ?

More info below.



Practical information

Participants: 25

Languages: English or French (depending on the public)

Location: Bordeaux School of Neuroscience

Student profile: Master and doctoral students from various disciplines (biology, physics, chemistry, mathematics, computer science, psychology, medicine, pharmacy...)

To apply as a student: <https://bit.ly/30UP3Wm>

To apply as an instructor: <https://bit.ly/38WwJAt>

Participation fee:

Free of charge for University of Bordeaux participants

1700 € per external participant, all included (1000 € without lodging)

Travelling fees remain at the participant's charge.

Grants: A limited number of grants will be awarded to participants upon request.

For more information, please contact :

neurocampus.graduateprogram@u-bordeaux.fr