

Ph.D course in Neurobiology

Head of the Ph.D course: Prof. Paul Heppenstall

Web site: [Neurobiology](#)

Research lines:

- Peripheral Nervous System
- Pain, touch and itch
- Synaptic Neurophysiology and Neuronal Networks
- Cell excitability and cortical information processing
- Optogenetic and electrophysiological approaches to Neuronal Networks
- Computational Neuroscience and Modelling
- Neurotoxicity and calcium signaling
- New Materials and Neurons
- Neurophysiology of Motor control
- Spinal networks patho-physiology and locomotion
- Respiratory physiology
- Neurophysiology and neuropharmacology of spinal motoneurons
- Visual systems and feature detection
- Simultaneous acquisition of neural activity and behavior
- Innate behaviors and their underlying circuits
- Functional imaging approaches to neural circuits
- Neuroecology

Fellowships available: 4

Admission: Academic and scientific qualifications + oral exam (remotely/presence)

Beginning of the Courses: 4 November, 2024

Evaluation of academic and scientific qualifications: 10 points

Access to Written Exam: minimum mark of 7/10 on academic and scientific qualifications

Evaluation of Written Exam: 40 points

Access to Oral Exam: minimum mark of 28/40 on written exam

Evaluation of Oral Exam: 50 points

To be considered eligible, candidates must pass all the phases (academic qualifications, written test, and interview) with a minimum mark of 7/10 or equivalent

First Session

Deadline for online submission of applications: 12th April, 2024

Written Exam: 14th May, 2024

Oral Exam: 15th May, 2024

Second Session (only if there should still be places available after the first one)

Deadline for online submission of applications: 20th August, 2024

Written Exam: 25th September, 2024

Oral Exam: 26th September, 2024

Admission to the oral exam and results of all evaluations will be notified by email.