

Ph.D course in Neurobiology

Head of the Ph.D course: Prof. Anna Menini

Web site: [Neurobiology](#)

Research lines:

- Somatosensation
- Peripheral Nervous System
- Olfactory Systems and Ion Channels
- Synaptic Neurophysiology and Neuronal Networks
- Cell excitability and cortical information processing
- Optogenetic and electrophysiological approaches to Neuronal Networks
- Computational Neuroscience and Modelling
- Bionanotechnology
- Neurotoxicity and calcium signaling
- New Materials and Neurons
- Neurophysiology of Motor control
- Spinal networks patho-physiology and locomotion
- Interfaces to simultaneously stimulate and record signals from the spinal cord

Fellowships available: 5

Admission: Academic and scientific qualifications + oral exam (also by videoconference)

Beginning of the Courses: 4 November, 2020

Evaluation of academic and scientific qualifications: 30 points

Besides the documents mentioned in the general part of the announcement, all applicants must provide a written essay in English, describing their previous academic background and scientific motivations to pursue a SISSA PhD and including a short list of these projects among those listed above).

The essay (about 3 pages long – 800 words) will be used for an initial screening of suitable candidates to be invited to the oral exam.

Access to Oral Exam: minimum mark of 21/30 on academic and scientific qualifications

Evaluation of Oral Exam: 70 points

Total Evaluation: 100 points

Eligibility: 70 points

First Session

Deadline for online submission of applications: 3 April, 2020

Interviews: 25 – 26 May, 2020

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

Deadline for online submission of applications: 15 July, 2020

Interviews: 7 - 8 September, 2020

The results of the academic and scientific qualifications evaluation will be notified by email. Selected candidates will be informed about day and time of the oral exam that, on demand, could be taken by videoconference, preferably through “Skype” (see general announcement).