

[All details about this school can be found online at [The NEURON School Initiative](#)]

The Department of Biomedical Sciences at the University of Sassari is excited to announce the first edition of The NEURON School on Computational Neuroscience.

This **one-week** school will introduce to the use of the simulation environment NEURON and related software to build brain models from experiments to their applications.

- The school will provide basic notions on experimental methods to extract and process morphological and electrophysiological data targeting their use to build computational models of single neurons and neuronal networks.
- The school will cover how these models can be constructed based on the principles of biological tissue growth in simulations.
- The students will also be introduced to recent *in silico* applications of neuronal networks and neuromorphic hardware.

We welcome applications from all interested full graduate, PhD students, and PostDocs in a variety of fields from biology, neurobiology and psychology, to physics, engineering, and mathematics, and industry professionals with a relevant background.

Applicants are expected to have a good background in their discipline, interest in neuroscience, and some knowledge (even basic) of computer programming.

For a quick look at the summer school description, check out this [flyer](#).

**Format:** Morning tutorials will be complemented with Afternoon coding sessions and Evening discussions promoted by presentations of Senior Scientists.

**Date and Location:** April 16th to April 21st, 2018 at the [PortoConte Research Center](#) within the Science and Technology Park of Sardinia and at the [Hotel Catalunya](#), Alghero - Sardinia (ITALY).

**Application Deadline: April 1st 2018**

**Applications:** Please visit <http://neuronschool.unis>, where you can find more information regarding costs, travel, and lodging.

If you have any questions about the school or the application process, please contact [enrico@uniss.it](mailto:enrico@uniss.it)

We look forward to your registration and to welcoming you in Alghero!