

**A fully funded PhD (4 years) in Neuroscience is available at Instituto de Neurociencias Alicante**

**Plasticity of Brain Networks Group**

We are looking for a highly motivated PhD student to join our group. The student will be part of a project called BODIES, which aims at understanding the neuronal mechanisms underlying the integration of action and perception during decision making.

To achieve the goal of BODIES, experiments will be performed in mice. Neuronal activity will be recorded from a prefrontal network while animals perform a navigational task in virtual reality. Further, the activity of neurons of specific populations within this network will be manipulated through optogenetics, to investigate their causal contribution to behavior. During the project, a computational model will be developed to understand and describe the observed dynamics and to make further predictions for future experiments.

Technical support is provided throughout the duration of the project.

The selected candidate will be enrolled in the PhD program in Neuroscience of the Universidad Miguel Hernández de Elche, under the supervision of Dr. Encarni Marcos.

If you are interested in this position, please, write to [emarcos@umh.es](mailto:emarcos@umh.es)

Candidates must

- Have a master's degree in neuroscience, biology, physics, computer science, mathematics, psychology or related areas.
- Be able to work independently.
- Have programming skills.
- Have excellent communication skills in English.
- Work well in team.

The Instituto de Neurociencias Alicante is a center of excellence that regularly organizes training courses for PhD students, weekly scientific lectures with well-known international speakers and internal seminars to promote collaboration within the Institute and offers financial support to attend national and international conferences for PhD students.

The Institute is located in Sant Joan d'Alacant, a nice town near the beach and close to Alicante.

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