

# Funded PhD position in Neuroscience

Institute of Neuroscience, Alicante (Spain)

**We are searching for highly motivated, hard-working and enthusiastic individuals with an interest in Neuroscience. Our group investigates the molecular and cell biological mechanisms that mediate the rewiring of neural circuits to shape high-order cognitive processing and emotional behaviour. We have a strong interest on tackling how dysfunction of these processes drives brain diseases ranging from Huntington disease to schizophrenia or depression and ways to harness them for therapeutics.**

The specific project will use conventional/Crispr genetics, viral manipulations and transcriptomics or proximity-labelling proteomics to unravel the roles of non-conventional glutamate-type NMDA receptors in specific neuronal populations (Neuron 2022, Cerebral Cortex 2021, eLife 2021, Nature Rev Neuroscience 2016, Nature Medicine 2013]. Candidates with an interest in molecular/cell biology or mouse genetics are encouraged to apply.

Our laboratory provides an alive bilingual scientific environment at the Instituto de Neurociencias (IN) de Alicante by the Mediterranean Sea. The Institute hosts research groups exploring the development, structure and function of the nervous system using a large repertoire of state-of-the-art approaches. We are part of an extended program engaged in discovering links between synapses, circuits and behaviour (<https://in.umh-csic.es/en/programas/synaptic-modulation-of-neural-circuits-and-behavior/>). In addition, our team is engaged in national and international collaborations that allow us to expand knowledge and resources.

A strong academic record, a Master in Neuroscience or a related discipline (Biology, Biomedicine) and knowledge of English is required. Previous experience in cell biology, morphological studies or modern fluorescent imaging methods will be valued.

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Candidates should submit CV and contact information for 3 references to:

**Dr. Isabel Pérez-Otaño**  
[otano@umh.es]

The project will be funded by the Spanish Ministry of Education and Science (4-year term).

