

4-year Predoctoral Position in Pain and Sensory Neuroscience

Sensory Transduction and Nociception Group

We are looking for a highly motivated PhD candidate with a strong interest in pain neurobiology to join our research group at the **Instituto de Neurociencias (UMH-CSIC) in Alicante, Spain**. The position is funded through the “Ayudas a la Formación de personal de investigación predoctoral asociadas a los proyectos de la convocatoria PID2025” and offers a four-year PhD contract. The successful candidate will join our research group while pursuing a PhD in Neuroscience at Miguel Hernández University. The expected start date is March 2027.

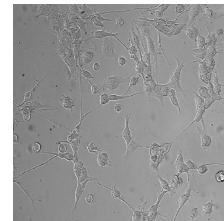
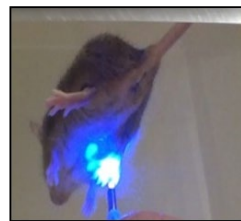
<https://in.umh-csic.es/en/formation/programa-de-doctorado-en-neurociencias-2/>

Project:

Chemotherapy-induced peripheral neuropathy (CIPN) is a common side effect of anticancer treatments that can negatively affect patients' quality of life and compromise treatment. Current therapeutic options remain limited and have modest efficacy.

This project aims to identify molecular and cellular mechanisms involved in the transition from acute to chronic painful CIPN. Studies will be performed in animal models of CIPN and human-derived nociceptive neurons. Using *in vitro* and *in vivo* mice models, we will characterize alterations in the excitability of nociceptors during the acute and chronic phase of CIPN, focusing on nociceptive channels. We use a broad range of techniques that include immunohistochemistry, *in vivo* and *in vitro* calcium imaging, electrophysiology, optogenetics, and behavioural assays.

Channel-ChR2-GFP mice hiPSC



Further details can be found at:

<https://in.umh-csic.es/es/grupos/transduccion-sensorial-y-nocicepcion/#info-general>

<http://painchannels.com/index.php/index>

Requirements: Candidates must hold a Master degree in **neuroscience, biology**, or a related field, a proven academic interest in **neuroscience/sensory systems**, fluency in English and good quantitative and analytical skills. Candidates will be invited to an online interview. The CV and previous relevant experience will also be taken into account.

What we offer:

- A fully funded opportunity to pursue a PhD in a dynamic neuroscience research environment.
- Access to state-of-the-art facilities, cutting-edge technologies, and specialized training.
- A collaborative, friendly and supportive research environment to pursue a PhD in neuroscience.
- Opportunities to establish an international scientific network through collaborations with leading global institutions and researchers.

Contact: interested applicants should send their Curriculum Vitae, **academic records**, a **motivation and career goal letter**, a **description of previous training and expertise** in the field and the **contact details of at least one reference person** to Félix Viana (felix.viana@umh.es) and Ana Gomis (agomis@umh.es). Please write to us for any further details.

Application Deadline: October 1st, 2026