

Postdoctoral position available Sensory Transduction and Nociception Group

A postdoctoral position is available in our research team at the [Instituto de Neurociencias](#) (UMH-CSIC) in San Juan de [Alicante](#), Spain.

Description: Our research aims at understanding how peripheral sensory neurons detect different environmental signals and produce a coded message that eventually leads to a sensation.

More specifically, our focus is on the structure and function of TRP channels, and other ion channels, that act as molecular transducers of thermal and mechanical signals in peripheral nerve terminals. A major goal of the current project is to study changes in the expression and function of ion channels in different animal models of chronic pain. This knowledge is fundamental to eventually use these molecular receptors as analgesic targets.

We use a broad range of techniques that include *in vivo* electrophysiology, patch-clamp recordings, calcium imaging, optogenetics, cell culture, molecular biology and behavioral assays. Some recent publications of the group include the following: Morenilla-Palao et al, (*Cell Reports*, 2014), Meseguer et al. (*Nature Communications*, 2014), Jemal et al, (*Pflügers Archiv*, 2014), Caires et al, (*Nature Communications*, 2015), Florez-Paz et al, (*Scientific Reports*, 2016).

More details can be found at <http://in.umh.es/grupos-detalle.aspx?grupo=20>

Our team is part of a leading Neuroscience Institute in Spain, with more than 200 scientists in over 20 research teams, recently distinguished by an international jury in the framework of the Severo Ochoa Excellence Program. The candidate will benefit from working in a highly dynamic, well funded centre. Core facilities at the institute are staffed by personnel with expertise in microscopy, functional imaging, cell sorting, behavior, transgenic and molecular biology techniques. <http://in.umh.es>

Funding is available for an initial period of 1 year, extensive for two more years with salary according to experience.

Requirements: we seek a highly motivated person interested in sensory research and with experience in one or more of the following techniques: electrophysiology, molecular genetics, molecular biology, behavioural assays.

Contact: applicants for this position should send an e-mail to Dr. Félix Viana (felix.viana@umh.es) or Dr. Ana Gomis (agomis@umh.es) with a CV including a list of publications and technical expertise, a description of research interests, two names of references and contact information.

Application review will begin immediately and will continue until a suitable candidate is selected.