

2-year Postdoctoral position available in Alicante Sensory Transduction and Nociception Group

A 2-year (extendable to 3) postdoctoral position is available in our research group at the Instituto de Neurociencias (UMH-CSIC) in Alicante in the project “Molecular and cellular diversity of thermo- and mechanoreceptors: role in peripheral and central mechanisms of chronic pain”.

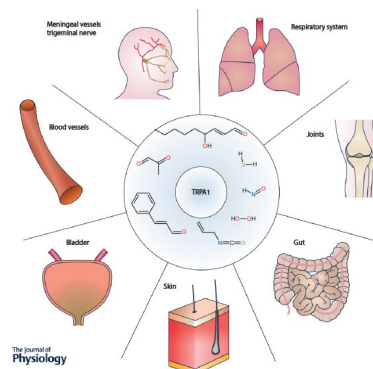
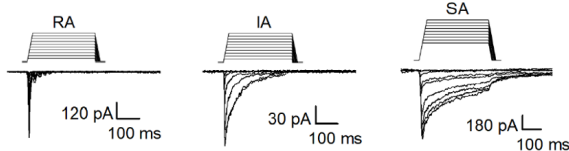
Description: Our research aims at understanding how sensory neurons detect different environmental signals and produce a coded message that eventually leads to a sensation. Our current focus is on the structure and function of TRP and Piezo2 channels that act as molecular transducers of thermal and mechanical signals in peripheral nerve terminals.

A major goal of the current project is to characterize subpopulations of primary sensory neurons in different models of chronic pain guided by transcriptional profiling at the single cell level, and the optogenetic interrogation of thermosensory and mechanosensory circuits.

We use a broad range of techniques that include calcium imaging, RNAseq, *in vivo* and *in vitro* electrophysiology and behavioral assays.

Some recent publications of our group:

Fernández-Trillo et al, (*J Neuroscience*, 2020)
Arcas et al., (*J Neuroscience*, 2019)
Caires et al., (*Nature Communications* 2015)
Morenilla-Palao et al, (*Cell Reports*, 2014)
Meseguer et al. (*Nature Communications*, 2014)



Further details can be found at:

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

We are part of a leading Neuroscience Institute in Spain, with more than 200 scientists in over 34 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, microarray, next generation sequencing, transgenic and molecular biology techniques. <http://in.umh.es>
Funding is available for an initial period of 2 years.

Requirements: Candidates should hold PhD in Physical or Life Sciences. We seek a curious, highly motivated person interested in sensory transduction and pain research and with experience in one or more of the following techniques: electrophysiology, mechanobiology, optopharmacology, behavioural assays, cellular transcriptomics or *in vivo* cellular imaging. Candidates for the position are expected to have a strong publication record and the potential to seek independent funding during the course of the project.

Contact: applicants can 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 and two names of individuals willing to act as references for the candidate. Application review will begin immediately and will continue until a suitable candidate is selected.