

POSTDOCTORAL POSITION IN NEUROPHYSIOLOGY OF CHRONIC PAIN

Team: Fundamental and clinical pharmacology of Pain ([http://www. https://neurodol.uca.fr](http://www.https://neurodol.uca.fr))

Location: Laboratoire de Pharmacologie Fondamentale et Clinique de la Douleur, Neuro-Dol (UMR Inserm 1107), Clermont-Ferrand, France

Start date: September 2021

We seek to hire a highly motivated postdoctoral researcher to 1/ characterize HCN activity in brain areas involved in pain processing and to 2/ investigate the efficacy of a new pharmacological strategy of HCN modulation to reduce chronic pain and comorbidities (anxiety and depression) in a mice model of chemotherapy-induced peripheral neuropathy, using a combination of approaches including brain slice electrophysiology, cell imaging, stereotactic brain injections and genetically-modified mice.

The candidate should hold a PhD in Neurobiology or Neuropharmacology and have a solid background in cellular electrophysiology (patch-clamp in brain slices). The candidate should also show strong interest in pain research and molecular/cellular neuroscience with special focus on ion channels pharmacology. A background in molecular biology and pain behavior assessment would be a plus.

The project is part of a recently awarded collaborative research project-ANR Grant developed and coordinated by Dr. Jérôme Busserolles, in a team recognized internationally for its work in the pain field, and in collaboration with teams with long-standing expertise in pain (IGF-UMR 5203 in Montpellier) as well as in drug design field (ICCF-UMR 6296 in Clermont-Ferrand). The position has 2 years of funding.

The candidate will benefit of a stimulating, interactive and collaborative research environment. The team is part of the Neuro-dol UMR Inserm 1107 lab, dedicated to pain research, and has an overall focus on studying cellular and molecular mechanisms underlying chronic pain and affective/cognitive comorbidities and on developing new pharmacological therapeutic strategies.

Candidates should email a CV, a cover letter detailing research experience and interest and the contact of two referees to Jérôme Busserolles: Jerome.busserolles@uca.fr