UNIVERSITAT DE BARCELONA

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POSTDOCTORAL CANDIDATE INTERESTED IN APPLYING FOR A MSCA-IF IN NEUROSCIENCES

Cellular and Molecular Basis of Sensory Disorders

Are you a postdoctoral researcher thinking about your next career move? The Marie Sklodowska-Curie Individual Fellowships (MSCA-IF) are a great option if you are an experienced researcher looking to give your career a boost by working abroad.

Institut of Neurosciences of the University of Barcelona allows you to work in a first class research environment while benefitting from an attractive salary to cover living, travel and family costs.

Group and project information

Applicants will be integrated into the research group "Cellular and Molecular Basis of Sensory Disorders"; (P.I. Jordi Llorens).

The vestibular system in the inner ear detects head accelerations, including gravity and those resulting from movements of the head. Vestibular dysfunction causes disequilibrium, vertigo, and loss of gaze control. The main research subject of our group is the identification of the cellular and molecular basis of the vestibular dysfunction that develops progressively during chronic exposure to vestibulotoxic chemicals. This is a way of identifying how reversible and irreversible events take place in this system, likely relevant to the major health concern of age-related sensory loss. It will also contribute to our understanding of the biology of this fundamental and neglected sensory system.

With a long record of activity in the field of experimental neurotoxicology, our laboratory has profited from its strong background in animal models of neurotoxicity to identify unique animal models of vestibular toxicity. Studying these original models, we have discovered new mechanisms of damage and repair of the vestibular synapses. These plasticity phenomena implicate many molecular players, including adhesion and extracellular matrix proteins, synaptic neurotransmission machinery components, and ion channels. The identification of players with dynamic roles in the damage and repair processes provides clues to identify mechanisms governing the reversibility or irreversibility of the damages, as well as therapeutic targets for preventing damage or promoting repair. Present options for treating vestibular disorders are practically inexistent. In addition to rodent models, we are now developing zebrafish models.

Functions and tasks

The candidate will be a post-doctoral researcher, expected to plan, execute and analyze research.

Requirements for candidates:

Skills/Qualifications:
- PhD or equivalent (Recognised Researcher R2)
- Able to work in rodent or zebrafish models.

Languages:
English: Excellent

Specific Requirements:
- Candidates must fulfilled eligibility MSCA criteria described in the Guide for Applicants

Working conditions:
- Full time temporary contract
- Gross salary of about € 50,000
- Duration: ranging from 12 to 36 months depending on the typology of the fellow
- Starting date: flexible from beginning of May 2020

Support for candidates

The Institute of Neurosciences and the International Research Projects Office at the University of Barcelona could offer you:
- A travel grant to work on your proposal with your future supervisor
- One day course on "How to work a successful MSCA IF"
- Personalized support on the application
- Support on other national calls such as Beatriu de Pinós and Junior Leader
- Mentoring

How to apply

Please submit your CV (if you are interested in further documents mention them here) to: Jordi Llorens (jllorens@ub.edu; Reference: MSCA IF Candidate)

Deadline: 24/06/2019