



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

Kinases and Phosphatases in neuronal function and dysfunction

Are you a postdoctoral researcher thinking about your next career move? The Marie Skłodowska-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 "[Kinases and Phosphatases in neuronal function and dysfunction](#)"; (P.I.: [Esther Pérez-Navarro](#)).

Our group is interested in the study of molecular mechanisms participating in the control of the voluntary movement and cognitive processes in physiological state, and how they are altered in Huntington's disease (HD) in order to identify new therapeutic targets. In addition, we are interested in identifying, at the peripheral level, biomarkers of the neuronal dysfunction that occurs in the brain of HD patients. To perform our studies we use HD mouse models, in which we analyze behavior by using motor and cognitive tests, and blood, fibroblasts and post-mortem brain samples of control individuals and HD patients.

Functions and tasks

The project will involve both *in vivo* (with HD mouse models) and *in vitro* studies (using cell lines and/or primary neuronal cultures) using some or all of the following techniques: Cell transfection/infection; Western blot; Intra-cerebral (by stereotaxic) and intra peritoneal administration of different drugs; Behavioral analyses (motor and cognitive); Histology

Requirements for candidates:

Skills/Qualifications:

- PhD or equivalent (Recognised Researcher R2)
- Preferentially with background in behavioral studies with mice

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:
Esther Pérez-Navarro (estherperezl@ub.edu); Reference: MSCA IF Candidate)

Deadline: 24/06/2019

