



POSTDOCTORAL CANDIDATE INTERESTED IN APPLYING FOR A BEATRIU DE PINOS IN NEUROSCIENCES

Pathophysiology of Nervous System Disease

Are you a postdoctoral researcher thinking about your next career move? Beatriu de Pinós grants ([BP](#)) are a great option if you are an experienced researcher looking to give your career a boost by working abroad.

[Institute 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.

Recent publications:

Creus-Muncunill, Guisado-Corcoll et al., 2021, Acta Neuropathol, in press. doi: 10.1007/s00401-021-02272-9

Alcalá-Vida, Garcia-Forn et al., 2021, Embo Mol Med 13:e12105

Creus-Muncunill et al., 2019, Brain 142:3158.

Functions and tasks

The project will involve both *in vivo* (with HD mouse models) and *in vitro* (using cell lines and/or primary neuronal cultures) studies 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:

- A minimum of two (2) years' post-doctoral experience outside Spain
- Preferentially with background in behavioral studies with mice

Languages:

English: Excellent

Specific Requirements:

- Not having resided or worked in Spain for more than 12 months over the last three (3) years prior to the deadline for submitting applications (11 March).
- Candidates must fulfilled eligibility Beatriu de Pinós [criteria](#).

Working conditions

- Full time temporary contract
- Duration: 3 years
- The amount of the grant for the hiring of research staff is €132,300. This sum finances the cost of each contract over the course of the 3 years of the grant, and includes the remuneration to be received by the research staff and employer's social security contributions.
- Additionally, the grant also has a supplementary amount of €12,000

How to apply

Please submit your CV to Esther Pérez (estherperez@ub.edu); Reference: Beatriu de Pinos Candidate)

Deadline: 1 March 2021

