



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 “Physiology and pathology of the functional relations neuron-glia

”; (P.I. Raúl Estévez).

Chloride is the most abundant anion in organisms. Plasma membrane chloride channels from the CLC and LRRC8 family are important for several physiological functions such as regulation of excitability in nerve cells and muscle, for cell volume regulation as well as for transepithelial transport. The physiological roles of several chloride channels are illustrated by human inherited diseases caused by mutations in their genes or in auxiliary subunits that regulate their functions. Thus, defects in CLC and LRRC8 proteins have been related with hyperexcitability of skeletal muscle (myotonia, dystrophic myotonia, Hungtinton’s disease), salt loss in the kidney and deafness (Bartter’s syndrome), leukodystrophy (myelin alteration) with edema in the white matter or agammaglobulinaemia. Our aim is try to understand chloride channel regulation in order to provide therapeutical solutions to affected patients. We use a multidisciplinary approach by applying imaging, electrophysiology and biochemistry methods in rat, mice and zebrafish models. The applicant will be performing studies of electrophysiology with a new protein that we have identified that regulates chloride channels.

Functions and tasks

Requirements for candidates

Skills/Qualifications:





- A minimum of two (2) years' post-doctoral experience outside Spain
- Experience in electrophysiology will be positive
- Experience in molecular biology and/or cell biology

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 Raúl Estévez (restevéz@ub.edu); Reference: Beatriu de Pinos Candidate)

Deadline: 1 March 2021

