



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

### Non-coding RNAs in neurological conditions

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 “Functional Genomics of Neurodegenerative diseases; (P.I.Eulàlia Martí).

Non-coding RNAs (ncRNAs) generally act as gene expression regulators; and are particularly abundant and diverse in the brain, showing highly dynamic and specific expression patterns. The accurate expression pattern of ncRNAs is fundamental for the correct function of the nervous system and deregulation of ncRNA pathways underlies human disease. Our **hypothesis is that the ncRNA profiles reflect in a very precise manner fine-tuned changes in neuronal states.**

Our lab has been working for more than 10 years in the **understanding of disease-driven deregulation of ncRNAs and their role in neuronal dysfunction.** Major challenges in translational biomedicine that are the core research of the lab are (i) to evaluate the potential of ncRNAs as disease-specific, peripheral non-invasive **biomarkers** and (ii) to understand the functional and pathogenic relevance of these species, which may help to unravel **disease mechanisms** and identify **therapeutic targets.**

We perform these activities using state-of-the art functional genomics approaches, in mouse models and cell cultures. We have also strong expertise in RNA-seq data mining algorithms to detect candidate ncRNA species. We develop these activities in a network of national and international collaborations to address multidisciplinary aspects of RNA biology in Neurosciences.

The applicant will work in the Department of Biomedicine, with multidisciplinary research teams tackling different aspects of Neurosciences. This very friendly environment provides a number of different theoretical skills and experimental expertise as well as it gathers many young and successful research leaders.





## Functions and tasks

The applicant is expected to lead a project focused on the identification of ncRNA species early deregulated in neurodegeneration paradigms and understand their involvement in disease evolution. The applicant will participate in activities such as staff meetings and seminar

## Requirements for candidates

### *Skills/Qualifications:*

- PhD or equivalent (Recognised Researcher R2)
- Strong expertise in molecular and 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 Eulàlia Martí ([eulalia.marti@ub.edu](mailto:eulalia.marti@ub.edu)); Reference: Beatriu de Pinós Candidate)

**Deadline: 1 March 2021**

