

Note: Call is subject to the award and conditions of the grant

## ANNOUNCEMENT REF.: Beatriu de Pinós (BP) Grants

GIRONA BIOMEDICAL RESEARCH INSTITUTE DR. JOSEP TRUETA (IDIBGI) calls for the collection of candidates and to apply, with the selected person, for the Beatriu de Pinós (BP) Programme with a project related to the **microbiome-gut-brain axis**. Some examples of the group main research topic are the following:

*Arnoriaga-Rodríguez, M., Mayneris-Perxachs, J., et al. (2020). Obesity Impairs Short-Term and Working Memory through Gut Microbial Metabolism of Aromatic Amino Acids. **Cell Metab.** 32, 548–560.e7.*

*Arnoriaga-Rodríguez, M., Mayneris-Perxachs, J. et al. (2021). Obesity-associated deficits in inhibitory control are phenocopied to mice through gut microbiota changes in one-carbon and aromatic amino acids metabolic pathways. **Gut** gutjnl-2020-323371.*

*Mayneris-Perxachs, J., Castells-Nobau, A., et al. (2022). Caudovirales bacteriophages are associated with improved executive function and memory in flies, mice, and humans. **Cell Host & Microbe**, Online now (February 16).*

The purpose of the BP Programme is to award a maximum of 60 individual grants to recruit and incorporate postdoctoral research staff into the Catalan science and technology system.

These grants are designed to facilitate both the return and the new incorporation of researchers who have been working abroad in research undertakings located in Catalonia.

The contracts object of this funding must have a term of 3 years.

### Requirements of the candidates:

BP grants are directed exclusively to researchers of any nationality who must:

- 1) Be in possession of a PhD degree obtained between 1st January 2013 and 31st December 2018. In specific situations such as maternity/paternity leave, sick leave that lasts for more than 6 months, caring for persons in a situation of dependency, or being recognized as having refugee status under the 1951 Refugee Convention a PhD obtained between 1st January 2011 and 31st December 2018.
- 2) Have, at the time of joining the host organisation, a minimum of two years of postdoctoral experience outside Spain. The two-year postdoctoral experience, regardless of the type of relationship may have been developed in different institutions provided that the overall period of the postdoctoral fellowship is two years or longer.
- 3) Meet the following transnational mobility condition: must not have resided or carried out their main activity in Spain for more than twelve (12) months in the three (3) years immediately prior to the deadline for submitting applications.

### **Desired skills of the candidates:**

The candidate should be able to perform team-oriented as well as independent work. Desirable methodological skills include: excellent background in systems biology and metabolism, as well as experience in analysing large omics datasets. This will include the use of a variety of R, Python, MATLAB, SPM, and FSL statistical packages (machine learning algorithms, microbiome compositional data analysis, pattern recognition methods, etc.) to extract relevant biological information from individual omics datasets (metabolomics, transcriptomics, and metagenomics) and their integration.

### **It is offered:**

The financial support for the BP Grant comprises two components:

- a) A monthly living allowance of 44,100.00 € per year, which covers the fellow's gross salary costs composed by net salary and adequate and equitable social security provisions (including sickness, parental benefits, pension rights and unemployment benefits), income tax and the employer's charges. The gross annual remuneration to be received by the researcher, including tax withholdings, is around € 32,000.00.
- b) A research and training allowance of 12,000.00 € per year the 3 years of the grant. This contribution is managed by the host organisation for expenses related exclusively to the participation of the researcher in research and training activities

### **Submission of Applications:**

Send a Motivation Letter, specifying the Announcement Reference and the personal motivation of the application, enclosing the Curriculum Vitae and the documentation that certifies the two-year postdoctoral experience, merits outlined and the compliance of the transnational mobility condition.

Applications must be sent by e-mail to [borsadetreball@idibgi.org](mailto:borsadetreball@idibgi.org) (indicate the announcement reference on the subject).

### **Terms:**

The recruitment will be carried out in accordance with the provisions of article 15 of Royal Legislative Decree 1/1995, of March 24, which approves the revised text of the Workers' Statute Law, in accordance with which has the art 2 of Royal Decree 2720/98, of December 18 (O. of January 8, 1999), Law 12/2001, of July 9 (O. of July 10) and concordant provisions.

The principle of equal treatment for men and women, in accordance with article 14 of the Spanish Constitution, is taken into account, Directive 2006/54/EC of the European Parliament and the Council and the provisions of Organic Law 3/2007, of March 22, and Law 17/2015, of July 21, for the effective equality of men and women.

The universal accessibility of people with disabilities is considered in accordance with Legislative RD 1/2013, of November 29, which approves the Revised Text of the General Law on the rights of people with disabilities and their inclusion social, making special reference to articles 35 and following where the guarantees of the right to work are regulated.