



PREDOCTORAL RESEARCHER POSITION GRANT

The Hospital del Mar Research Institute is the research center of the Barcelona Mar Health Park Consortium and a member of the Barcelona Biomedical Research Park (PRBB). It provides an exceptional framework for translational research and offers state-of-the-art technological platforms (flow cytometry, animal facility, microscopy, etc.) as well as close collaboration with the Hospital del Mar.

POSITION

Predocctoral researcher position as a part of the research group **Comparative and Functional Genomics** with a predocctoral contract supported by the grant reference **PID2022-137615OB-I00**, funded by MCIN/AEI/10.13039/501100011033 and the European Social Fund (FSE).

OFFER

- Predocctoral researcher position.
- Predocctoral researcher employment contract governed by Article 21 of Law 14/2021, of June 1, on Science, Technology, and Innovation, and Royal Decree 103/2019, of March 1, on the Statute of Research Personnel in Training.
- Full-time contract.
- Salary according to the provisions of Royal Decree 103/2019, of March 1, on the Statute of Research Personnel in Training, paid in 12 instalments.
- Incorporation within 3 months from the definitive resolution.



CANDIDATE REQUIREMENTS

- ✓ Degree in **Genetics, Bioinformatics, Human Biology or similar**.
- ✓ Training in **Bioinformatics**.
- ✓ Positive evaluation of experience in **human genetics and functional analyses (gene expression, QTL analysis, GWAS, etc.)**.
- ✓ At the time of hiring, the candidate must provide proof of admission to a doctoral program.

Once the candidate has enrolled in the doctoral program, they will need to submit a copy of the formalized enrollment to the contracting institution.

SELECTION CRITERIA

- 1) Academic and/or scientific-technical trajectory of the candidate. (Up to 50 points).
 - 1.a) Scientific-technical contributions: The academic record and other curricular merits of the candidate will be evaluated, as well as their suitability for the tasks to be carried out based on their training and professional experience. (Up to 45 points).
 - 1.b) Mobility and internationalization: The relevance and impact of the candidate's stays in national and international research centers and/or the industrial sector will be assessed, considering the prestige of the hosting entity and the activities carried out there. (Up to 5 points).
- 2) Suitability of the candidate for the research activities to be carried out. The candidate's suitability for the project or research activities will be evaluated based on their previous training and experience. This will include the added value that the completion of the project will bring to their research career, as well as the contribution to the institution and research group. (Up to 50 points).

THE PROJECT



Title: **Complete characterization of human polymorphic inversions with long-read sequence data (CompleTION).**

Regarding the mentioned project, the person who joins will carry out the following tasks:

- o Development and optimization of **imputation methods of human inversions in large datasets and population cohorts.**
- o Integrative analysis of the **functional effects of human polymorphic inversions.**
- o **Association of inversions with phenotypes and diseases** in large cohorts and GWAS data.

APPLICATION OF CANDIDATES

You can submit your application to: mcaceres1@imim.es

For more information:

https://www.imim.es/programesrecerca/informaticabiomedica/en_genomica-comparada-funcional.html