



HR EXCELLENCE IN RESEARCH

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BRAIN RESEARCH CENTER

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Senior Lab Technician position at the Barcelonaβeta Brain Research Center

About the employer

The Barcelonaβeta Brain Research Center (BBRC) is a research center dedicated to the prevention of Alzheimer's disease and the study of cognitive functions affected in healthy and pathological aging. It was created in 2012 by the Pasqual Maragall Foundation, with the support of the Pompeu Fabra University.

The mission of the BBRC is to provide innovative solutions to decipher and prevent biological changes and cognitive dysfunction associated with neurodegenerative diseases. Due to the aging of the world population, these diseases constitute a global challenge, since for example, dementia can reach epidemic levels in 2050, with a forecast of more than 150 million people affected, if is not found a way to prevent its appearance and development.

The BBRC received the HR Excellence in Research award (HRS4R) granted by the European Commission; a recognition that shows its adherence to the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Research Staff. The center offers a **stimulating and favorable working environment** in accordance with the Charter and Code, which describe the rights and responsibilities of researchers and their employers, and contributes to the **creation of a transparent, attractive and open ecosystem** at international level.

Pasqual Maragall Foundation, Pompeu Fabra University and "la Caixa" Foundation are permanent members of the BBRC Board. The center is affiliated and located in the Ciutadella Campus of the Pompeu Fabra University of Barcelona, in a building inaugurated in 2016. The BBRC headquarters has excellent technical facilities, including a 3TMR scanner dedicated to research, and spaces for conducting Clinical Trials and EEG. State-of-the-art scientific facilities, effective management and continuous high-standard peer-review evaluation are the BBRC core proceedings to ensure achieving world-class research results.

BBRC is also part of the Barcelona Biomedical Research Park (PRBB), a large research facility that hosts other seven different research institutions related to biomedical research, including the Center for Genomic Regulation (CRG), the Hospital del Mar Medical Research Institute (IMIM), the Department of Experimental and Health Sciences of the Pompeu Fabra University (CEXS-UPF), the Institute of Evolutionary Biology (IBE CSIC-UPF), the Barcelona Institute of Global Health (ISGlobal) and the Barcelona site of the European Molecular Biology Laboratory (EMBL), among others, in a multidisciplinary, collaborative and stimulating international environment in close contact with a clinical setting, thus conducive to translational research.

For more information see: www.fpmaragall.org and www.barcelonabeta.org



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About the project

The BBRC has recently opened a Genomics lab, led by Professor Arcadi Navarro. The group focuses on the genomic architecture of age-related disease –including neurodegenerative disease– and on the analysis of full genomes, epigenomes and transcriptomes to ascertain the processes, variants and molecular features that underlie human ageing patterns.

Prof. Navarro is Professor of Genetics at the UPF, ICREA Research Professor, the Director of the European Genome-phenome Archive at the CRG and the Director of the BBRC and the FPM. He regularly participates in projects funded by the European Commission such as the H2020 projects Elixir-Accelerate, Eucanimage, Healthycloud, etc. In addition, his group at the CRG participates in major Spanish initiatives in Personalized Medicine such as ones within the Impact initiative.

About the job

The BBRC welcomes applications for a **Senior Lab Technician**. In this role, the candidate will play a crucial part in a prestigious European Project aimed at assessing the genetic contribution of the Epstein-Barr virus (EBV) to the risk of multiple sclerosis (MS). This cutting-edge project entails the collection of saliva samples from both MS patients and control subjects, followed by the comprehensive sequencing of the EBV genome for each participant.

Additional responsibilities involving career development activities, mainly contributing to general managing of the lab.

Main Responsibilities

The responsibilities for this position include:

- Execute the essential tasks involved in extracting Epstein-Barr virus DNA through genome capturing techniques and library construction for next-generation sequencing.
- Lead and coordinate the process of sample acquisition in collaboration with the project team.

Required qualifications, competences and technical skills

Must have

- Degree or Master's degree in biology, biochemistry, biotechnology or similar. Laboratory Technician Diploma (FP II - Advanced Vocational Qualification).
- A minimum of 5 years of recent, hands-on laboratory experience, particularly in tasks related to molecular biology and genomics, including DNA/RNA extraction and PCR.
- Sample handling and basic laboratory skills with precision and attention to detail.
- Capable to work with computers and common software packages
- Ability to work collaboratively and with a high degree of autonomy.
- High organisation skills.
- Excellent knowledge and follow Good Laboratory Practices (GLPs).

Highly desirable

- Previous experience in library construction and genomic capturing.



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We offer

- Starting date: ASSAP 2023
- Full- time position, 38 hours weekly.
- The position is initially scheduled for 3 years. Research Project subject to Horizon Europe (European Commission)
- Salary will depend on experience and will be in accordance to BBRC's salary scales
- The Foundation offers an extended vacation period and the possibility of benefit from flexible working hours.
- We offer a unique research opportunity in a highly innovative project in a multidisciplinary institution.

We offer and promote a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, ethnicity, religion, sexual orientation or gender identity.

In the foundation we also care about developing your professional career so you will participate in internal and specific training for your job, promotion opportunities and development of your professional career.

Application process

To apply, please submit a single PDF file containing the following:

- 1) Cover letter addressed describing research interests and relevant background
- 2) CV
- 3) The names of up to three individuals who could provide reference letters. All files or inquiries should be submitted electronically to: talent@barcelonabeta.org

Subject: Senior Lab Technician

We inform you that your personal data will be part of a file which Pasqual Maragall Foundation and Barcelonaβeta Brain Research Center is responsible for, in order to manage the job offer you have requested. Once the process is complete, the data processed will be erased.

You have the right to exercise the rights of access, rectification, cancellation and opposition recognized in Regulation (EU) 2016/679 (General Data Protection Regulation), to be addressed to the Pasqual Maragall Foundation and Barcelonaβeta Brain Research Center: Wellington Street 30, 08005 Barcelona.