

INTERNAL / EXTERNAL CALL

The Institute

The **Santa Creu i Sant Pau Hospital Research Institute Foundation** is a scientific foundation which mission is to improve health and quality of life of the population, through the production and dissemination of scientific knowledge, training of researchers to an international standard, and promoting health innovation and the incorporation of medical advances in clinical practice and healthcare policies. Created in 1992, the institute was attached to the Autonomous University of Barcelona (UAB) in 2003, and since 2011 it is part of the Government of Catalonia's CERCA Programme.

For the Foundation, it is a priority to ensure that the most suitable candidate is hired to fill a job through an open, transparent and merit-based selection process (OTM-R). Following these guidelines, staff mobility, knowledge exchange and, ultimately, the increase in the quality of teaching and research will be enhanced. Faithful to our commitment to the European Union's human resources strategy, our institution's personnel selection and recruitment procedures are governed by a set of basic principles that guarantee equal access to employability for all. Therefore, the constitutional principles of equality, merit and ability are followed, respecting in all cases the national and international regulations in force in this area, specifically the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (C&C). The principles of C&C are applicable to the recruitment of any personnel of the institution, regardless of their professional category. For this reason, our Foundation has obtained the recognition of "Excellence in R+D in Research" granted to the IIB Sant Pau, since 2015.



The **Santa Creu i Sant Pau Hospital Research Institute Foundation** needs to incorporate at the **Epilepsy/Neurological Diseases, Neurosciences and Mental Health**:

T4B- Senior Research Technician

About the Unit / Group:

This is a multidisciplinary group including the fields of epileptology, pediatric neurology, neuropsychology and clinical genetics. We study several aspects of Epilepsy, mainly genotype-phenotype correlation of genetic epilepsy, electroclinical phenotyping, status epilepticus and neuropsychological comorbidities.

Our research includes patients of all ages, children and adults, in order to increase knowledge about natural history of epilepsy. We offer also new treatments for refractory patients with no other therapeutic options, providing them access to clinical trials.

Essential requirements

- Minimum qualification required: Doctorate Degree or speciality (MIR, QUIR, FIR, BIR or MSc Medical Genetics)
- More than 4 years of demonstrable experience in the specific area of work
- Oral and written knowledge of the two official languages of Catalonia or, failing that, the successful candidate will have to demonstrate, or promise to obtain, within a period not exceeding one year, a correct knowledge of the two official languages of Catalonia.
- Advanced level of English
- Advanced knowledge of office tools (excel, word, power point, etc).

Skills will be valued

- Demonstrated experience in the analysis of NGS data and using bioinformatics tools.
- Solid knowledge in the use of Linux operating systems and programming in languages such as Python or R.
- Experience in the clinical and functional interpretation of the variants detected using the complete genome.
- Ability to work independently and in a team, demonstrating effective communication skills.
- Advanced knowledge of genetic counselling.

Functions

- Develop and optimize bioinformatics pipelines for the processing and analysis of whole genome sequencing data.
- Perform genomic data analysis and variant calling to identify genetic variants associated with infectious diseases in paediatric populations.
- Interpret the variants detected using the complete genome, evaluating their clinical and functional relevance.
- Collaborate with other researchers and scientists to interpret results and generate relevant scientific reports.
- Stay current on advances in bioinformatics and genomics, and apply best practices in the field.
- Participate in the design of genetic counselling guidelines.

Offered

- Indefinite contract linked to the project “Study of genomic disease burden to complement Cause of Death investigation in Sub-Saharan African: a pilot study from Child Health and Mortality Prevention Surveillance (CHAMPS) Network”
- Annual workday of 1.627,50 hours (37,5 hours/week)
- Remuneration according collective agreement
- Research Group: Epilepsy/Neurological Diseases, Neurosciences and Mental Health:

Documentation and deadline for submission

Interested parties should preferably deliver the documentation (1) in PDF, by e-mail to the Management of the Santa Creu i Sant Pau Hospital Research Institute Foundation, address ir_seleccio@santpau.cat , indicating the reference **2023/246**:

(1) Application letter and updated Curriculum Vitae

At the request of the Santa Creu i Sant Pau Hospital Research Institute Foundation, the candidates must present the documentation accrediting the merits mentioned in the curriculum vitae.



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Applications will be resolved within a maximum period of one month from the end of the deadline for submission of documentation. At the end of this period, without having been notified of an express resolution, the interested parties will be entitled to understand that their applications have been rejected.

Santa Creu i Sant Pau Hospital Research Institute Foundation may declare this call for applications closed if, according to its criteria, the candidates does not meet the conditions that the Institution considers necessary to fill the position.

The interpretation of the requirements and their enforceability to the candidates will be exclusive to the Santa Creu i Sant Pau Hospital Research Institute Foundation.

**The deadline for submitting applications
will end on January 11th 2024, at 3:00 p.m.**

Fundació Institut de Recerca de l'Hospital de la Santa Creu i Sant Pau, sited at C. Sant Quintí, 77-79, 08041, Barcelona, Tel: 93 291 90 50, NIF: G-60136934, as Data Controller and in compliance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation) and the Organic Law 3/2018 of 5th of December, on the protection of personal data and the guarantee of digital rights, will treat your data with the sole purpose of developing this call. The legal basis for this treatment is the article 6.1 a, c and f from the GDPR, giving that we will ask for your consent, the treatment is necessary for the application of precontractual measures and its necessary to satisfy the legitimate interests pursued by the Data Controller.

The data will be kept during the necessary time to develop the call. Data will be treated solely by that areas and services that are allowed to in accordance with their assigned competences and functions. There will be no data cessions made unless there is a legal obligation to do so. You are entitled to exercise the rights of access, rectification, deletion, opposition, limitation and portability. In case you have any doubts, you can contact the data protection delegate at dpo_ir@santpau.cat. You also have the right to file a complaint to the relevant control authority.

PERMANENCE COMMITMENT: *Selected persons who will hold the summoned or vacant position, will not be able to apply for a new call until 1-year period has expired. In case of part-time job positions, this period will be of 6 months. In both cases, the period will compute from the date of publication of the resolution. The vacant summoned, and the ones that derive from it (intern movements), will be successively covered on the same proceeding among the submitted candidates to each particular call, regardless of whether this entails coverage of places in turns other than the call.*



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Sant Pau**

Barcelona, 28/12/2023



Human Resources Department

Santa Creu i Sant Pau Hospital Research Institute Foundation



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Departament de RRHH