

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



HR EXCELLENCE IN RESEARCH

The **Santa Creu i Sant Pau Hospital Research Institute Foundation** needs to incorporate at the **Dementia Neurobiology Unit** :

T4A- Research Technician PMP22 ISCIII

About the Unit / Group:

The main lines of research of the group are:

- Biomarkers in the cerebrospinal fluid and blood in Alzheimer's disease, dementia with Lewy bodies, frontotemporal dementia and amyotrophic lateral sclerosis.
- Biomarkers of Alzheimer's disease in Down syndrome.
- Molecular bases of neurodegenerative diseases.

Essential requirements

- Graduates; Engineers; Architects; Graduates with Grade ≥ 300 ECTS assigned to Level 3 (Master); Graduates with a Master's degree (≥ 300 ECTS); Diploma holders, technical engineers and architects with a Master's Degree level 3.
- 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

- Master's degree related to bioinformatics/neurosciences/biomedical research.
- Experience in molecular biology techniques (PCR, western blot, immunohistochemistry, cell cultures, etc.)
- Knowledge and experience in bash, R and python programming languages.

Functions

- Assessing the role of immune cells in neurodegenerative diseases.
- Immune cells from blood and cerebrospinal fluid from patients with neurodegenerative diseases will be isolated and bioinformatic studies of data derived from single-cell RNA sequencing of these cells will be performed.
- The most relevant alterations will be characterized in human immune cell samples using cell culture, PCR and flow cytometry, among other techniques.
- Using human brain postmortem tissue, the role of immune cells in neuroinflammation and neurodegeneration and their transcriptomic alterations will be investigated through immunohistochemistry and spatial transcriptomics.

Offered

- Temporary contract linked to the project “Pmp-degesco: validation of a precision medicine tool based on online cognitive evaluation, genetic risk stratification and bloodbased biomarkers for the identification of preclinical Alzheimer’s disease” amb l’expedient PMP22/00022.

Resolució de la Direcció de l'Institut de Salut Carles III, O.A., M.P., per la qual es concedeixen subvencions per a Projectes d'Investigació de Medicina Personalitzada de Precisió de l'Acció Estratègica en Salut 2021-2023, sota el PERTE per a la Salut de Vanguardia i amb càrrec als fons Europeus del Pla de Recuperació, Transformació i Resiliència.

- Annual workday of 1.627,50 hours (37,5 hours/week)
- Remuneration according to ISCIII salary tables
- Research Group: Neurobiology of dementia

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 **2023/167**:

(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.

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 July 20th, 2023, 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.*

Barcelona, 06/07/2023



Human Resources Departament
Santa Creu i Sant Pau Hospital Research Institute Foundation