

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 **Neuromuscular Diseases Research Group**:

T4B- Senior Research Technician

About the Neuromuscular Diseases Research Group:

The Neuromuscular Diseases Unit at the Hospital de la Santa Creu i Sant Pau is a multidisciplinary unit with extensive experience in the diagnosis, treatment and research of neuromuscular diseases of all types. It is a team in which the clinical and research activities, both clinical and basic, are perfectly overlapping and interrelated and in which the solving of clinical problems involves the laboratory workers and in which the basic research approach it is done from clinical utility.

The Unit is therefore made up of neurologists who are experts in neuromuscular diseases and have extensive experience in electromyography, as well as training and an interest in basic research; by basic researchers with interest and experience in translational research projects; by nurses who are experts in the coordination of projects, clinical studies and databases; and by laboratory technicians who are experts in basic and translational research and in the organization and management of sample banks.

Principal lines of research:

IMMUNE-MEDIATED NEUROMUSCULAR DISEASES:

- Characterization of new target antigens in Myasthenia Gravis and immune-mediated neuropathies (CIDP, GBS, NMM). Use as diagnostic and therapeutic biomarkers.
- Pathogenesis of new paranodal antigens in CIDP.
- Analysis of innate immunity in inflammatory myopathies.
- Analysis of the impact of new modulating therapies in neuromuscular diseases mediated by IgG4.
- Functional aspects of cells of the immune system (response to ligands, production of antibodies, etc.).
- IGOS database for Guillain Barre Syndrome.
- Spanish registry NMD-ES of neuromuscular diseases.

MUSCULAR DYSTROPHY, DYSERLINOPATHY AND MYOPATHIES:

- Analysis of muscle magnetic resonance as a biomarker of various muscular dystrophies.
- Study of miRNA profiles and the muscle secretome in muscular dystrophies.
- Study of the role of PDGF in the fibrosis of muscular dystrophies.
- Natural history of dysferlinopathies Jain Foundation Clinical Outcomes Study.
- Assess the frequency of carriers of mutations in the diferlin gene in the normal population.

AMYOTROPHIC LATERAL SCLEROSIS:

- Epidemiology of ALS in Catalonia.
- Genetic profile of patients with ALS in Spain.
- Profile of biomarkers in different ALS phenotypes.

CHALLENGES:

- Increase knowledge of the immunological mechanisms involved in the pathogenesis of autoimmune neuromuscular diseases (MG, CIDP, NMM).
- Increase knowledge of pathogenic mechanisms in inflammatory myopathies (DM, PM, IBM).
- Search for new antigens and develop diagnostic tests with new biomarkers in neuropathies mediated by the immune system and Myasthenia Gravis.
- Implement new methods of diagnosing and monitoring the disease of muscular dystrophies derived from dysferlinopathy and other myopathies (biomarkers – miRNA, secretome, magnetic resonance, etc.).
- Increase knowledge of the pathogenic mechanisms involved in muscular dystrophy derived from dysferlin deficiency and other muscular dystrophies.
- Access to a clean room to handle cells for use in humans.
- Use of the NMD.ES registry to develop research on various neuromuscular diseases.

Essential requirements

- Minimum qualification required: Doctorate or specialty (MIR, QUIR, FIR, BIR) or more than 4 years of demonstrable experience in your specific area of work
- Advanced level of English.
- Advanced level of office tools (Excel, Word, Power Point, etc.).
- Knowledge of RedCap.
- High degree of specialization in the area.
- Ability to work independently.

Skills will be valued

- Demonstrable experience in coordinating patient records included in the study.
- Experience in data analysis of records.
- Experience in quality analysis of data obtained in registers.
- Experience in presentations at national or international conferences.
- Experience in writing reports for public or private organizations summarizing data from records.
- Experience in participation in international patient data registry projects.
- Experience in project management.

Functions

- Management of the national registry of Pompe disease.
- Analysis of the data obtained in the registration and presentation of the results at national and international conferences.
- Elaboration of reports by public and private bodies with the data obtained from the register.
- Participation in meetings with the person in charge of minority disease registries both nationally and internationally.
- Analysis of the quality of the data obtained.

Offered

- Indefinite contract, assigned to the “Spanish Pompe Disease Registry” project.
- Annual workday of 651 hours (equivalent to 15 hours/week – 40% workday).
- Remuneration according collective agreement.
- Research Group: Neuromuscular Diseases Research Group.

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 **2023/191**:

(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 September 14th 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, 31/08/2023



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