



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.



HR EXCELLENCE IN RESEARCH

The **Santa Creu i Sant Pau Hospital Research Institute Foundation** needs to incorporate at the **Endocrinology, Diabetes and Nutrition Group**:

T1A- Junior Laboratory Technician MCIN CNS2022

About the Unit / Group:

The research group called Endocrinology, Diabetes and Nutrition of the Sant Pau Research Institute is directed by Dr. Dídac Mauricio. Currently, it is made up of professionals from different disciplines and areas, including endocrinologists, statisticians, biologists, pharmacists, and pharmacists, together with support staff, which gives it a multidisciplinary character. Recently, the research group has incorporated a new line of research, under the direction of Dr. Josep Julve aimed at studying the metabolic basis of tissue damage and dysfunction, and the impact of experimental dietary manipulations in experimental models of diabetes and obesity-related disorders.

In the last 5 years the therapeutic effect of a form of vitamin B3 on different complications of obesity/diabetes has been evaluated in experimental models (PMID: 33870623, PMID: 33233455). The favourable influence of this and other NAD⁺ precursors on liver physiology and in the intestinal microbiota has led to explore the effect of this vitamin in people with obesity and diabetes and liver fibrosis (protocol code: IIBSP-NIC-2021-157; EudraCT no.: 2022-002608-19). In this context, Josep Julve has been recently funded by the State Research Agency (Ministry of Science and Innovation) thereby allowing the hiring of support staff for the proposed research.

Essential requirements

- Minimum qualification required Higher Level Professional Studies (Higher Level Training Cycle / FPII) or equivalent
- 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.
- Intermediate level of English (B2 minimum).
- Intermediate knowledge of office tools (excel, word, power point, etc).
- Use of graphical tools and analysis statistics, e.g. Prism - GraphPad, and image analysis, J-Image.
- To have completed the course in Training for research personnel, users of animals, experimentation and other scientific purposes accredited by FELASA, be in possession of the animal experimenter license (or prove that it is in process).

Skills will be valued

- Degree or bachelor's degree, specialising in Microbiology
- Experience in biochemical techniques, molecular biology techniques, cell biology techniques and previous experience in the use of analysis and interpretation

results of flow cytometry analysis.

- Previous experience in research teams.
- Have demonstrable experience in animal experimentation management platforms (ANIBIO).
- Previous authorships in scientific publications related to the field of Endocrinology, Diabetes and Nutrition
- Experience in microbiological techniques.
- Organized and decisive person.

Functions

- Analysis of gene expression by real time qPCR and relative protein abundance by western blot.
- Quantification of circulating protein concentrations in biofluids by specific ELISA.
- Genotyping of genetically -modified mice using PCR techniques.
- Management of experimental animals at the Animal Experimentation Unit of the center.
- To analyze by flow cytometry the distribution of inflammatory cells in different biofluids.
- Maintenance and study of the impact of different treatments on different cell culture conditions, especially in an in vitro setting of gastrointestinal barrier.

Offered

- Temporal contract attached to the project CNS2022-135559 "Effect of Nicotinamide in Liver Fibrosis – relationship with Intestinal Microbiota". This contract is financed by MCIN/AEI/10.13039/501100011033 and by the European Union "Next Generation EU"/PRTR"Annual workday of 1.627,50 hours (37,5 hours/week)
- Remuneration according to agreement
- Research Group: Endocrinology, Diabetes and Nutrition

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 **2023/190**:

(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 22th, 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, 08/09/2023



Human Resources Departament

Santa Creu i Sant Pau Hospital Research Institute Foundation

