



Germans Trias o Pujol Research Institute (IGTP) endorses the Requirements and Principles of the European Charter for Researchers, the Code of Conduct for the Recruitment of Researchers, and Open, Transparent, Merit-based recruitment promoted by the European Commission and follows Equal Opportunities policies. On 22 August, 2019, IGTP was awarded the "HR Excellence in Research" logo. This recognition reflects the commitment of the Institute to the continuous improvement of its human resources policies in line with the Charter & Code. The Institute works to ensure fair and transparent recruitment and appraisal procedure

POSTDOCTORAL RESEARCHER (REF.: 2023/41)

1. JOB DESCRIPTION:

We are looking for a highly motivated and skilled researcher to work on a project entitled: "Advanced Antigen-Specific Dendritic cells based therapy to re-establish tolerance in immune-mediated diseases" (IMMUTOL), funded by the HORIZON-HLTH-2022-DISEASE-06-02 Program.

The Immunopathology research group is within the Immunology Service of the Germans Trias Hospital. It is made up of an experienced interdisciplinary team that is highly motivated to carry out translational research and give support to clinical teams who are developing their own research projects to examine the mechanisms of the immune response. The team is made up of researchers, pre-doctoral researchers and technicians who carry out prestigious research projects in the national and international arenas. The laboratory is one of 14 centres of European excellence recognized by the Federation of Clinical Immunological Societies (FOCIS). Since 2009 it is a Consolidated Group as recognized by the Agency for Management of University and Research Grants of the Generalitat of Catalonia.

The current project will be ascribed to the Neuroimmunology team. Since 2008 the Neuroimmunology team has been developing new immune tolerance-inducing therapies, and recently finished a Phase I clinical trial with tolerogenic dendritic cells (VitD3toIDC) in multiple sclerosis patients that showed safety and feasibility of the approach. It coordinated a European network consisting of the most important groups in the field of tolerogenic cellular therapies for autoimmunity, and transplants in the field (European Action COST BM1305-AFACTT) (www.cost.eu).

2. QUALIFICATIONS AND EXPERIENCIE:

- a) PhD in cellular or Molecular biology or immunology.
- b) Passion for research in human cellular immunology.
- c) Proven strong laboratory skills (cellular and molecular biology).

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- d) Research Planning and Organization skills.
- e) Good command of written and spoken English.
- f) Team player with good communication skills.
- g) To contribute, with the principal investigator to the mentoring and supervision of master and/or PhD students.
- h) It is expected that the person contributes to writing of scientific manuscripts with the outcomes of her/his research.

Additional skills will be also considered such as:

- i) Experience in working (certified) on experimental (mouse) models.
- j) Bioinformatic skills.
- k) Motivation for learning and continuous improvement of skills and scientific growth.
- l) Interest in project management.
- m) Good knowledge on the field of immune tolerance.

3. MAIN RESPONSIBILITIES:

This project aims to generate a more powerful second generation engineered VitD3tolDC product for its translation to the clinic. The post-doc will investigate epitope selection for the generation of antigen-specific engineered VitD3-tolerogenic dendritic cells, as well as the migratory potential of these cells, in an innovative in vitro system of human blood-brain-barrier that the candidate will help setting-up in collaboration with the partners of the Institut Químic de Sarrià (IQS). Moreover, the researcher will participate in the analysis of the therapeutic effect of engineered tolerogenic dendritic cells in an experimental model of multiple sclerosis (experimental autoimmune encephalomyelitis -EAE-).

4. WHAT WE OFFER:

- a) Position for the duration of 3 years; full time contract-work.
- b) Date of incorporation: May/June 2023
- c) Flexible payment (childminding vouchers).
- d) 23 days holiday and 5 days for personal matters.
- e) Training capsules by the company.
- f) Be part of an excellent multidisciplinary research center with the HRS4R badge.



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- g) We are located at the Can Ruti Campus, a top translational research environment in the Barcelona area, in a highly stimulating scientific environment. The IGTP offers a supportive, friendly and favorably collaborative ecosystem to promote career development and to help you achieve your research goals, all surrounded by nature at the National Park "Parc de la Serralada de Marina".

5. FOR MORE INFORMATION:

<https://www.germanstrias.org/en/research/>

6. APPLICATIONS:

Those interested must send a letter of motivation explaining their interest in the post, a CV and the contacts of 2-3 referees to the address seleccio@igtp.cat

APPLICATIONS THAT DO NOT INCLUDE THE REFERENCE CODE IN THE SUBJECT LINE WILL NOT BE CONSIDERED

After pre-selection the short list of candidates will be invited for interview.

7. DEADLINE FOR APPLICATIONS:

The call for applications will close on 15 April 2023.

The IGTP, in its commitment to equal opportunities, guarantees equal treatment between candidates and persons with a degree of disability equal to or greater than 33 per 100, as accredited by the Spanish Autonomous Regions or the State Administration, or who have been declared to have a total permanent disability in a different profession through a resolution of the National Institute of Social Security, while retaining functional capacity for the completion of the tasks of the post will be positively considered.