



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

BIOINFORMATICIAN CLINICAL GENOMICS RESEARCH GROUP (REF.: 2023/118)

1. JOB DESCRIPTION:

The Clinical Genomics Research group focuses on developing new tools for genetic diagnostics and also building the basis of a personalized strategy for the Neurofibromatoses and Schwannomatosis. We are a multidisciplinary team performing both research and clinical tests since we are members of the Genetic Service at Hospital Germans Trias & Pujol and the Spanish Reference center of Phakomatoses.

Currently we are the coordinators of international Variant Curation Expert Panel (VCEP) for Neurofibromatoses and Schwannomatosis by ClinGen (NIH) and in addition we have several ongoing projects in the lab which are focused in: 1) development of new genetic tests methods; 2) massive genotyping to stablish individual polygenic risk scores for specific diseases 2) to study the contribution of NF2 mutation into the progression of schwannomas and meningiomas; 3) development of personalized therapy for Neurofibromatosis type 2 patients.

We are seeking an organized, motivated and team-oriented bioinformatician with previous experience in high-throughput data managing, software developing and with the desire to work in a multidisciplinary team focused in translational research and to get involved in the different projects of the group.

2. QUALIFICATIONS AND EXPERIENCIE:

The following requirements are mandatory:

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- a) Degree in informatics, computer science, computational biology or similar, if possible with some biology or genetics knowledge. Applicants with degrees in biotechnology, biology or other life sciences will be considered providing they can demonstrate expertise in bioinformatics/computational genomics.
- b) Familiar with front-end web programming skills (html, css, php, javascript, ...) and back-end programming and database management, both SQL and nonSQL(MongoDB) and Agile development
- c) Cloud based Linux design/admin/monitoring.
- d) Scientific computing skills (mostly python and/or R). Machine learning and data integration techniques will be considered.
- e) Knowledge of Next Generation Sequencing and genomic data analysis will be an asset
- f) Fluent English.
- g) Maintaining close communications with supervisor regarding progress.
- h) Candidates must be highly motivated, proactive attitude and quite independent, with the ability to work in a dynamic team environment.
- i) Good organizational skills and excellent attention to detail.
- j) Ability to perform as a team member and good interpersonal skills.

3. MAIN RESPONSIBILITIES:

As member of Clinical Genomics Unit, you will participate in the different projects on going in the laboratory, research activities and publications, but mainly in the analysis of different genomic data generated in the group.

You will actively design and implement new software and databases for genomic data management at the care and research level, participate in research activities within the clinical genomics group and in team research publications

You will work on a daily basis in a multidisciplinary team with clinical staff, bioinformaticians, biologists and molecular geneticists.

You will interact with experts in medicine, genetics and bioinformatics to jointly evaluate the different designs, software, etc. developed, participating in regular group meetings to understand clinical and research needs and improve developments.



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4. WHAT WE OFFER:

- a) Full time contract-work.
- b) Gross annual remuneration will be fixed based on the experience provided and the skills of the candidate, distributed in 12 payments
- c) Date of incorporation: September / October 2023.
- d) Flexible payment (childminding vouchers).
- e) 23 days holiday and 5 days for personal matters.
- f) Training capsules by the company.
- g) Be part of an excellent multidisciplinary research center with the HRS4R badge.
- h) 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/cancer/22/clinical-genomics-research>

6. HOW TO APPLY:

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 September 10, 2023.



HR EXCELLENCE IN RESEARCH



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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.