



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 (REF.: 2021/03)

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) to study the contribution of NF2 mutation into the progression of schwannomas and meningiomas; 3) development of personalized therapy for Neurofibromatosis type 2 patients; and 4) the generation of a NF2 Advance Care Planning.

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 EXPERIENCE: The consultant must have the following qualifications:

The following requirements are mandatory:

- 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.
- 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
- Cloud based Linux design/admin/monitoring.
- Scientific computing skills (mostly python and R), Machine learning and data integration techniques
- Knowledge of Next Generation Sequencing and genomic data analysis will be an asset
- Fluent English.
- Maintaining close communications with supervisor regarding progress.



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- Candidates must be highly motivated, proactive attitude and quite independent, with the ability to work in a dynamic team environment.
- Good organizational skills and excellent attention to detail.
- Ability to perform as a team member and must have good interpersonal skills

This position is intended for specialized technicians in biomedical/computer sciences who can progressively become independent in developing academic research projects in line with the group priorities.

3. TASK AND RESPONSIBILITIES: The specific tasks for the consultant will be:

- As computer scientist you will design, coordinate and implement the development plan for informatics support and genomic analysis for the development of ACMG guidelines for Neurofibromatosis and Schwannomatosis in the context of the international NF VCEP.
- 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.

4. WE OFFER:

This is a long period project, although the current budget is only for one year. Moreover, contract will be renewed based on positive annual appraisals.

Salary to be discussed according to previous experience.

The salary will be fully covered from existing grants, although in the long-term the candidate is expected to pursue grant applications to develop their own academic projects with the support of the group

5. FOR MORE INFORMATION:

Contact with ecastellanos@igtp.cat



HR EXCELLENCE IN RESEARCH



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6. HOW TO APPLY:

Those interested should send a motivational letter and their CV by email to seleccio@igtp.cat, indicating the reference of the offer on the email issue.

CANDIDATES THAT DO NOT INDICATE THE REFERENCE OF THE OFFER IN THE SUBJECT WILL NOT BE CONSIDERED.

After a pre-selection of applicants, an interview will be done with the candidates most suitable.

6. APPLICATIONS CLOSE:

January 30th .