POST-DOCTORAL RESEARCHER (REF.: 2024/72)

1. JOB DESCRIPTION:

The Clinical Genomics Research group focuses on the development of new tools for genetic diagnosis and also on building the foundations of a personalized medicine strategy for Neurofibromatosis and Schwannomatosis. We are a multidisciplinary team that carries out both translational and clinical research as we are members of the Genetics Service of the Germans Trias & Pujol Hospital and the Spanish Reference Center for Phacomatosis.

We are currently the coordinators of the international expert group ClinGen (NIH) to develop clinical guidelines for the proper classification of genetic variants in genes associated with the diseases previously discussed (Neurofibromatoses and Schwannomatosis Variant Curation Expert Panel - ClinGen | Clinical Genome Resource) as well as of the EURONET-NF group. In addition, we are also members of the Spanish reference center for Neurofibromatosis (CSUR of Phakomatosis) and the European network for hereditary diseases with a predisposition to develop tumours (GENTURIS). Our lines of research are: 1) development of new methodologies to improve current genetic testing; 2) massive genotyping to establish the personalized risk for specific diseases (Polygenic Risk Score); 3) to study the contribution of the NF2 gene in the progression of schwannomas and meningiomas; 4) to develop a personalized therapy for patients with NF2-related Schwannomatosis.

We are looking for an organized, motivated junior postdoctoral researcher who can work in a team, with previous experience in cell cultures, ideally stem cells, and molecular biology and genetics. The main project in which he would participate would be in personalized therapy, although it would be ideal for him to participate in the different projects of the group.

2. QUALIFICATIONS AND EXPERIENCIE:

The following requirements are mandatory:
   a) Doctoral degree in biology, genetics or similar. Other doctorates will be valued as long as they are related to the laboratory's projects.
   b) Experience in cell cultures, molecular biology techniques, genetics, genomic data analysis, ...
   c) Knowledge of primary cultures or stem cells (iPSCs) will be positively valued
   d) Fluent English.
   e) Candidates must be highly motivated, proactive and quite independent, with the ability to work in a dynamic team environment.
   f) Good organizational skills and excellent attention to detail.
   g) Ability to act as a team member and good interpersonal skills.

3. MAIN RESPONSIBILITIES:

   a) As a member of the Clinical Genomics Unit, you will mainly participate in the group's projects related to personalized medicine for patients with NF2-associated Schwannomatosis (gene therapy, study of variants causing the disease) under the supervision of the PI, although it is requested to collaborate in the rest of the different projects in progress in the laboratory, research activities and publications.
   b) You will actively assist and implement new protocols to improve the primary schwannoma and stem cell culture techniques available in the laboratory, participate in research activities within the clinical genomics group and in team research publications
   c) You will interact with experts in medicine, genetics and bioinformatics to jointly evaluate the different designs, projects, protocols, results obtained, etc., participating in periodic group meetings to understand clinical and research needs and improve the experiments that are required.

4. WHAT WE OFFER:

   a) Indefinite-term contract (Ley de la ciencia 14/2011).
   b) Date of incorporation: September 2024

c) Gross annual remuneration inherent to the square objected to this call, will be fixed based on the experience provided and the skills of the candidate, distributed in 12 payments.

d) 23 days holiday and 5 days for personal matters.

e) Training capsules by the company.

f) Be part of an excellent multidisciplinary research centre with the HRS4R badge.

g) Location on the Can Ruti Campus, a first-class translational research environment in the Barcelona area, in a very stimulating scientific environment. The IGTP offers a supportive, friendly and collaborative ecosystem to promote professional development and help you achieve your research goals.

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

Applications will be evaluated in accordance with the guiding principles and objectives of the supply systems, following the process described below:

a) **Curricular evaluation**: analysis of the curriculum vitae to assess aspects related to training, professional career and experience in positions related to the job position under selection.

b) **Personal interview**: once the résumé has been evaluated, the selected candidates will be called for a personal interview to verify and expand on the information detailed in the résumé and to evaluate aspects related to experience and professional skill**s.**
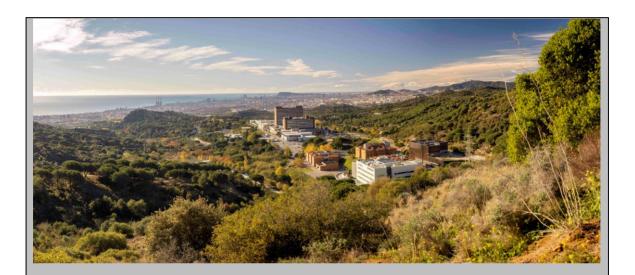
Applications that do not meet the requirements, that are not included in the cases foreseen or that are not processed in accordance with the established procedure will not be considered in the selection process.

7. DEADLINE FOR APPLICATIONS:

The call for applications will close on July 6, 2024.

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.