

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.: 2022/15)

1. RESEARCH DESCRIPTION:

The Childhood Liver Oncology (cLOG) group at IGTP is looking for an outstanding candidate to apply to a postdoctoral Juan de la Cierva Formación grant. The candidate should be well-qualified, highly motivated and independent scientist who wish to enhance his/her scientific career in a friendly and stimulating environment within the cancer field.

The candidate will perform translational research on the main childhood liver cancer in the context of the iPC H2020 project (<https://ipc-project.eu/>). He/she will be involved in studies focused on (i) defining and validating treatment-associated gene signatures by RNA-seq using a unique European biorepository that established along the first international Pediatric Hepatic Tumor Trial (PHITT) and (ii) identifying new therapeutic targets and drugs using innovative pre-clinical models (patient-derived organoids and xenografts). The final goal is to improve the clinical management of childhood liver cancer and move towards precision medicine.

2. REQUIREMENTS:

- a) Candidates must hold a PhD degree obtained between January 1st 2020 and December 31st 2021, preferably in molecular cell biology or cancer related fields.
- b) Experience abroad will be highly valued.
- c) Demonstrated experience in cell culture (transfection, gene silencing, MTT assays), molecular techniques (Western blot, qPCR, etc) is needed.
- d) Background in experimental animal research and analysis of omics data is desirable.
- e) Good verbal and written English level.

It will be valued to have a degree of disability equal to or greater than 33 per cent recognized by the competent bodies of the Autonomous Communities or, as the case may be, of the General State Administration, or to have been declared in a situation of permanent total disability in a profession other than teaching, by Resolution of the National Social Security Institute, provided that they have the functional capacity to perform the usual tasks of the job.

3. MAIN RESPONSIBILITIES:



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- a) RNA-seq data analysis using different computational tools: identification of treatment-response associated gene signatures and therapeutic targets
- b) Drug screening using liver cancer cell lines and organoids; in vitro cell culture experiments (cell transfection, gene silencing, proliferation assays, etc)
- c) Biological sample management and processing including DNA, RNA and protein extraction
- d) Biomarker assessment including gene mutations (RT-PCR-Sanger)
- e) Participation in writing scientific reports and papers, attending and scientific conferences.

4. WHAT WE OFFER:

- a) Temporary full-time contract.
- b) Gross annual remuneration inherent in the position object of this call, will be fixed according to the amount granted by the subsidy granted (Juan de la Cierva), distributed in 12 payments. Flexible payment (childminding vouchers).
- c) 23 days holiday and 5 days for personal matters.
- d) Training capsules by the company.
- e) Be part of an excellent multidisciplinary research center with the HRS4R badge.
- f) 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:

<http://www.germanstrias.org/research/es-cancer/2/oncologia-hepatica-infantil-c-log>

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:



HR EXCELLENCE IN RESEARCH



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The call will be open until February 2th.