



**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

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## POSTDOCTORAL AT cLOG (REF.: 2022/130)

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### 1. RESEARCH DESCRIPTION:

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The Childhood Liver Oncology Group (cLOG) is looking for a postdoctoral researcher to be incorporated at the lab and be able to apply to next post-doc calls like Juan de la Cierva or Sara Borrell, MSCA or similar

cLOG, led by Dra Armengol ORCID ID: 0000-0002-4690-4027, is a referent translational research group of childhood liver cancer in Europe. The cLOG research projects are aligned with two H2020 European projects: the ChiLTERN (<https://more.bham.ac.uk/chiltern/>) and iPC (<https://ipc-project.eu/>). We count with a unique biorepository worldwide of clinically-annotated biological samples from paediatric liver cancer patients which is being established thanks to our participation in the first international clinical trial, PHITT (Paediatric Hepatic International Tumour Trial - Full Text View - ClinicalTrials.gov). Childhood liver cancer is a rare disease from which its molecular knowledge is limited due to the difficulty to access to biological samples from these children. cLOG is conducting a project on identifying and validating diagnostic/prognostic biomarkers as well as new therapeutic targets for aggressive tumors.

We are seeking for an exceptional and motivated researcher to improve the underlying molecular knowledge of these tumors by analyzing RNA-seq data on unique and large cohort of clinically-annotated biopsies of childhood liver tumors to provide new diagnostic and therapeutic tools to translate into the clinical setting. The final aim of the cLOG group is to increase the survival and quality of life of paediatric patients with liver cancer.

### 2. REQUIREMENTS:

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- a) PhD degree in biology or similar obtained 2019-2022 (depending on the postdoc call)
- b) Experience in cell culture, cell transfection, CRISPR-cas9, molecular biology techniques...



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- c) Candidate should demonstrate full independence at laboratory and ability to work as a team
- d) Experience in bioinformatic analysis will be positively valued
- e) In vivo and in vitro experience will be positively valued
- f) Must be fluent in English (both written and spoken)
- g) Good record of Research achievements and publications, minimum 2 publications
- h) Stays abroad
- i) Ability to write scientific manuscripts
- j) High level of collaborative and communicative skills.

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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The main tasks to conduct are:

- a) Analysis of RNA-seq data to identify key signalling pathways deregulated and key therapeutic targets of aggressive tumors.
- b) Define and validate gene signatures of sensitivity and resistance of PHITT treatments by using nanostring technology.
- c) Perform in vitro and in vivo studies of anti-tumor efficacy of new drugs (against identified therapeutic targets using two innovative experimental models: patient-derived xenografts (PDXs) and organoids of childhood liver cancer already established.
- d) Manuscripts preparation

### **4. WHAT WE OFFER:**

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- a) Full time contract
- b) 23 days holiday and 5 days for personal matters.
- c) Training capsules by the company.
- d) Be part of an excellent multidisciplinary research center with the HRS4R badge.



HR EXCELLENCE IN RESEARCH



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- e) 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:

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cLOG website:

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

## 6. HOW TO APPLY:

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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](mailto: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:

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The call will be open until September 15th.