

## ANNOUNCEMENT REF.:

### Postdoctoral Position – Immune Surveillance of Cancer

## EXPRESSIONS OF INTEREST

IDIBGI is looking for highly-motivated and ambitious postdoc researchers of any nationality interested in developing collaborative applications for the **“Sara Borrell” Postdoctoral ISCIII Program** aiming to **decipher how the immune system inhibits cancer initiation**. The position is available at a newly established research group in the **Institut d'Investigació Biomèdica de Girona Dr. Josep Trueta (IdIBGi): “Cancer Biology & Prevention”** lead by Prof. Miquel Angel Pujana.

Fellowship call: [Acción Estratégica en Salud 2024](#)

#### Key Sara Borrell Fellowship features:

- **Scientific career:** The call aims to support and promote the **professional career** of young researchers in health sciences and technologies in Spanish excellent research centers and groups.
- **Duration and Funding:** The scholarship offers a maximum duration of 3 years with a minimum gross salary of 30.000 EUR/year.
- **Training Program:** Alongside research, the fellow will benefit from a multidisciplinary on-site training program, enhancing hard and soft skills, and preparing she/he for a successful scientific career elsewhere.

#### Eligibility Criteria:

- **Research Profile:** Notable research profile as young researcher including peer-review publications.
- **Academic Requirement:** Having obtained the doctorate, understanding as such the date of reading and approval of the doctoral thesis, on a date after January 1st 2020 (exceptions might apply).
- Not having been awarded with a Sara Borrell contract at the time of application or previously.
- In the case of having completed an FSE program abroad, the FSE title approved or recognized by the competent body should be provided.

#### Key Dates:

- Closing data for receiving letters of interest and CV: **15 February 2024**
- Shortlisting and interviews: **22 February 2024**
- Closing submission date: **7 March 2024**

### Application:

- CV of the applicant (including academic record, experience and publications)
- Motivation letter
- **Deadline: 15 February 2024**
- Interested candidates are invited to contact us by email. \*Applications can be sent by e-mail to [borsadetreball@idibgi.org](mailto:borsadetreball@idibgi.org) (indicate the announcement reference on the subject)
- Candidates will receive support from the PI, as well as the project management department, to prepare and submit their application with the IDIBGI as a host institution.  
**Note: Call is subject to the award and conditions of the grant**

### Brief description of the Research Group

The research group combines *in silico* and wet studies to elucidate the biological basis of breast cancer risk, and the molecular networks that determine breast cancer initiation and progression. Based on the acquired data, models, and knowledge, the group evaluates novel preventive and therapeutic approaches. Recent work demonstrates for the first time to our knowledge the biological relevance and preneoplastic impact of a modifier of penetrance of *BRCA1*-associated breast cancer (*Nat Commun* 2022; PMID:35393420). In this setting, the research is also centered on the influence of immune cell traits and immunosurveillance in cancer risk (*iScience* 2020; PMID:32622267) and the mechanism(s) of immune evasion of cancer cells (*Nature* 2021; PMID: 34732895).

The successful candidate will be a central member of a research group contributing to the study of the **mechanisms of breast cancer initiation and how specific genetic perturbations of the immune system allow epithelial transformation and tumor formation**. The project will encompass experimental and computational approaches, and the postdoctoral researcher will have the opportunity to collaborate with a multidisciplinary team of researchers and clinicians.

Candidates with a PhD in biological sciences or related fields are encouraged to submit their CV and a letter of interest demonstrating their skills and research experience. The selected candidate will submit a joint application with their supervisor and the host institution, and successful applicants will conduct their research at the **IdIBGI**, Girona, Spain.

### Brief description of the Host Institution

The [Girona Biomedical Research Institute Dr Josep Trueta](#) (IDIBGI) is a CERCA research center of the Generalitat de Catalunya whose purpose is to promote, develop, transfer, manage and disseminate biomedical research, scientific and technological knowledge, teaching and training in the areas of life and health sciences, mainly in the Girona area.

The IDIBGI facilities at the Parc Hospitalari Martí i Julià in Salt host part of the research laboratories and personnel who, along with the rest of the researchers from the associated

institutions, form multidisciplinary teams with different expertise, focused on finding synergies and solutions to the societal health challenges through translational research.

The IDIBGI gathers 400 researchers, support staff and associate medical doctors from two hospitals (Doctor Josep Trueta University Hospital and Institute for Health Care), the University of Girona, the Institute for Diagnostic Imaging, the Catalan Institute of Oncology and the Primary Care Institute. The research staff are divided into 23 groups framed into 7 different research areas.

On 2015 IDIBGI received the "HR Excellence in Research" award and is continuously improving their HR policies according to the principles of the European Charter & Code for Researchers.

Candidates will receive the support of the supervisors, as well as the project management department, to prepare and submit their application with the IDIBGI as a host institution.

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