

## INTERNATIONAL CALL IC02\_25

### JOB TITLE

Collaboration grant for the project "Stereotactic Ablative Radiotherapy for Oligometastatic Breast Cancer"

### JOB DESCRIPTION

The Pere Virgili Institute for Health Research (IISPV) is an institution that integrates research in the field of biomedicine in the "Camp de Tarragona" and the "Terres de l'Ebre". The IISPV is the instrument that the university hospitals of both health regions have been endowed with (Joan XXIII University Hospital of Tarragona, Verge de la Cinta Hospital of Tortosa, Sant Joan de Reus University Hospital, Institut Pere Mata University Hospital of Reus) and Rovira and Virgili University, in order to bring together and manage biomedical research and innovation in the territory.

We offer a **collaboration grant** for graduate student of the course 2024 - 2025.

The Biomedical Research Unit is part of the IISPV, Rovira i Virgili University and Sant Joan de Reus Hospital. The current lines of research seek to study the connection between metabolism, oxidation and inflammation in non-communicable diseases such as cancer, fatty liver disease and obesity. The candidate will join the team of technicians working in the laboratory on the project 'Stereotactic Ablative Radiotherapy for Oligometastatic Breast Cancer: in radiomics, multi-omics and Machine learning approach in clinical decision-making. The OBC-SABR multicentre international project', with code PRYES222747JOVE, funded by the Fundación Científica de la Asociación Española Contra el Cáncer.



The successful candidate will collaborate in the optimisation of the laboratory techniques already implemented and in the implementation of new techniques, as well as in the development of bioinformatics tools to facilitate the understanding of the results obtained after laboratory analysis and metabolomic results. With the fulfilment of these objectives, the candidate will also be able to acquire knowledge for oral and written communication in the scientific field and for the dissemination of results in society.

The selected candidate will perform the following tasks:

- Database maintenance.
- Analysis of gene expression by western blot technique.

- Immunohistochemistry and staining for histological studies.
- Analysis and interpretation of metabolomic data, as well as the identification of metabolic pathways.

Number of available positions: 1

### **CANDIDATE PROFILE**

- University degree in the field of biotechnology.
- It is essential that you are studying a master's degree related to nutrition and metabolism or that you have completed it and are studying a university course.

### **REQUIREMENTS**

- Competence and experience in laboratory work, preferably in projects related to breast cancer, mitochondrial function, metabolism, oxidative stress and inflammation.
- Office and bioinformatics skills (Microsoft Office, Adobe Illustrator, GraphPad Prism, R, Python, etc.).
- Teamwork skills, ability to work autonomously, organisation, friendliness, dynamism, versatility, rigour, responsibility and confidentiality.

### **IT WILL BE VALUED**

- High level of oral and written expression in English (level B2 or equivalent).
- Motivation, creativity, initiative and proactive attitude.
- Capacity for continuous learning, flexibility and adaptability.
- Commitment to quality, to optimising resources and to achieving results.
- Experience in the processing and handling of human samples and in data analysis using the R language and/or Python.
- Participation in international congresses is positively valued, as well as participation in conferences and courses.

### **LABOUR CONDITIONS**

- Full-time
- Workplace: Biomedical Research Unit, Hospital Sant Joan de Reus.
- Contract: Collaboration Grant for the project "Stereotactic Ablative Radiotherapy for Oligometastatic Breast Cancer", funded by Fundació Científica de la Asociación Española Contra el Cáncer (duration until November 30<sup>th</sup>, 2025)
- Gross Salary: 1200 € - 1300 €

- Starting date: February, 2025

### **SELECTION PROCEDURE**

- Selection of CV's. Suitable and unsuitable CV's will be identified according to the requirements. Applicants who do not meet the requirements indicated in the candidate profile and requirements will not pass to the next phase.
- Evaluation of the CV. Evaluation of the CVs up to a maximum score of **35** points.
- Cover Letter. Attach to the resume a cover letter with a maximum length of 2500 characters with spaces. With a maximum score of **5** points.

To access the interview phase it is necessary to have obtained a minimum score of **30** points in the sum of scores of the evaluation of the curriculum and cover letter

- Personal interview. With a maximum score of **60** points.

<b>Items</b>	<b>60</b>
Attitude	<b>10</b>
Fit in the work place	<b>15</b>
Experience, developed functions/skills	<b>20</b>
Teamwork	<b>15</b>

The selected candidate must obtain a minimum score of **85** points in all phases of the selection process.

### **SELECTION COMMITTEE**

- President: Prof. Jorge Joven (Biomedical Research Unit IISPV, director)
- Chair 1: Andrea Jiménez (pre-doctoral student)
- Chair 2: Alina Luliana (pre-doctoral student)

#### **SUBSTITUTES:**

- President: Dr. Jordi Camps (Biomedical Research Unit IISPV, coordinator)
- Chair 1: Meritxell Arenas (radiation oncology unit, head of service)
- Chair 2: Simona Iftimie (Dr. Internal Medicine)

## **CANDIDATURES**

- The CV must include the number in DNI / NIE or personal identity document.
- Send the CV and the Cover Letter through the IISPV website.

For any questions or queries: [recruitment@iispv.cat](mailto:recruitment@iispv.cat)

**DEADLINE FOR RECEIPT OF CV: 22/01/2025**

## **COMMUNICATIONS**

The IISPV will inform the candidates if they have been admitted or excluded to access the interview through its website.

## **HR EXCELLENCE IN RESEARCH**

The IISPV has the European accreditation The Human Resources Strategy for Researchers (HRS4R), complies with the general principles of the European Charter for Researchers and the Code of Conduct for the recruitment of researchers.

The IISPV has an internal recruitment policy that follows the Open, Transparent and Merit-based Recruitment (OTM-R) policies. More information about the HRS4R policies implemented at the IISPV is available on the following website: <https://www.iispv.cat/hrs4r-hr-excellenceresearch/>

The IISPV will guarantee the right to equal opportunities and treatment, as well as the real and effective exercise of rights by people with disabilities under equal conditions with respect to other citizens, through the promotion of personal autonomy, universal accessibility, access to employment, inclusion in the community and independent living and the eradication of any form of discrimination, in accordance with articles 9.2, 10, 14 and 49 of the Spanish Constitution and the International Convention on the Rights of Persons with Disabilities and international treaties and agreements ratified by Spain.

In the event of a tie, priority will be given to hiring the person with a disability.

In the event of a tie between people of different genders, the person of the least represented gender in the work group/department/service in which he joins will be hired.