

## **Expression of Interest – MSCA Postdoctoral Fellowships in Cancer Immunology, Digital Pathology and Computational Oncology**

The **Research Group in Oncological Pathology and Bioinformatics (PO&B)** is seeking expressions of interest from **postdoctoral researchers** interested in applying for a **Marie Skłodowska-Curie Actions (MSCA) Postdoctoral Fellowship** with our group as the host institution.

PO&B is a multidisciplinary research group based at the **Hospital Universitari de Tortosa Verge de la Cinta (HTVC)** and affiliated with the **Institut d'Investigació Sanitària Pere Virgili (IISPV)**. IISPV is a public biomedical research institute in Catalonia (Spain) focused on **translational research, innovation and advanced training**, closely integrated with the regional healthcare system.

### **About the Research Group**

Our group conducts **clinically driven translational research**, mainly focused on **breast cancer and lymphoid malignancies**, integrating experimental, computational and clinical approaches, including:

- Histopathology and **digital pathology (whole-slide imaging, WSI)**
- Quantitative analysis of the **tumour immune microenvironment**
- **AI-based image analysis**, machine learning and deep learning
- **Bioinformatics and integrative analysis** of clinical, histological and molecular data

### **Current research lines include:**

- Immune response characterization in primary tumours and axillary lymph nodes
- Quantification and spatial analysis of immune biomarkers (e.g. TILs, immune subpopulations)
- Development of AI pipelines for automated analysis of whole-slide images
- Predictive modelling of relapse and metastasis using ML, network-based and agent-based models
- Integration of histological, clinical and transcriptomic data for precision oncology
- Translational and innovation-oriented projects linked to clinical validation and regulatory frameworks

More information about the group is available at:

☞ <https://poibgroup.wixsite.com/research/en>

## MSCA Postdoctoral Fellowship – Candidate Profile

We are specifically looking for **postdoctoral researchers** who meet the **eligibility criteria of the MSCA Postdoctoral Fellowships**, including:

- A **doctoral degree** at the time of the call deadline
- Compliance with **MSCA mobility rules**
- A strong research track record and motivation to develop an independent research project

Relevant backgrounds include one or more of the following areas:

- Cancer immunology
- Digital pathology and AI-based image analysis
- Bioinformatics, computational biology or genomics
- Machine learning applied to biomedical data
- Translational oncology research

Candidates should be interested in **co-developing a competitive MSCA proposal** aligned with the group's research lines and strategic priorities.

## Why Apply with PO&B as Host Group

- Strong **translational orientation** with direct access to clinical data and samples
- **Multidisciplinary and collaborative** research environment
- Active involvement in **national and European research projects**
- Institutional support for **MSCA proposal preparation, mentoring and project management**
- Integration within IISPV's international research and training ecosystem

## Contact

Postdoctoral researchers interested in applying for an **MSCA Postdoctoral Fellowship** with our group are invited to send an **informal expression of interest and CV** to:

✉ [poib.ebre.ics@gencat.cat](mailto:poib.ebre.ics@gencat.cat)  
 ✉ [upi@iispv.cat](mailto:upi@iispv.cat)

  <b>IISPV</b> <small>INSTITUT D'INVESTIGACIÓ SANITÀRIA PERE VIRGILI</small>	<h2 style="text-align: center;">Collaboration Grant</h2>			
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### **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. |

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