

INTERNATIONAL CALL IC25_25

JOB TITLE

Postdoc Researcher in Inflammatory Bowel Diseases

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.

The research group in **inflammatory bowel diseases (IBODI)** focuses on the link between gut microbiota, immunity, and adipose stem cells in Crohn's disease and ulcerative colitis. Current studies suggest that perilesional fat contributes to Crohn's disease, and the translocation of bacteria from the affected intestine to perilesional fat causes metabolic and functional changes in this tissue that may contribute to disease progression. Understanding the role of gut microbiota, perilesional fat, and the interaction between adipose stem cells and immune cells in these patients will help us find useful biomarkers for diagnosing, predicting, or tracking disease progression. The team includes basic researchers, biologists, biotechnologists, as well as clinical researchers, gastroenterologists, surgeons, and nurses.

Number of available positions: 1

The chosen person will have to carry out, mainly, these tasks:

- Isolation and characterization of adipose stem cells from mesenteric and subcutaneous adipose tissue.
- Design and execution of experiments in molecular biology, including techniques such as cell cultures, PCR, qPCR, western blot etc.
- Collaboration with the multidisciplinary team to integrate the data obtained and develop diagnostic and prognostic models.
- Writing scientific manuscripts and presenting results at international and national conferences.

- Participation in scientific and public dissemination of results.

CANDIDATE PROFILE

- Degree in Biology, Biochemistry, Biotechnology or a related field.
- The researcher must have a Doctorate degree (PhD) in Biomedicine.
- Minimum 3-year demonstrable experience in inflammatory bowel diseases, especially cell culture of adipose-stem cells, extracellular vesicles isolation and omics analyses.
- Organizational skills and ability to manage research projects autonomously.

IT WILL BE VALUED

- Experience in bioinformatic analytic tools used in omics technologies.
- Previous experience in publishing in international journals
- Advanced skills in applied statistical analysis for observational and intervention studies
- Experience in cell line cultures, primary cultures, gene expression analysis (RT-PCR).
- Experience in extracellular vesicles isolation and characterization.

LABOUR CONDITIONS

- Type of working day: Full time
- Physical place of work: HJ23 of Tarragona
- Contract: Indefinite, associated with the scientific-technical research project PID2023-146315OB-100.
- Remuneration: 23.000€ – 25.000€ gross per year
- Approximate incorporation: 01 of May of 2025

SELECTION PROCEDURE

- Selection of CVs: Suitable and unsuitable CVs will be identified according to the requirements. Applicants who do not meet the requirements indicated in the point profile of the person and requirements will not move on to the next phase.

- Evaluation of the CV: up to a maximum score of 50 points.
- Cover letter: Attach to the CV a letter of motivation with a maximum length of 2500 characters with spaces. With a maximum score of 10 points.

To access the interview phase, it is necessary to have obtained a minimum score of 40 points in the sum of the scores of the assessment of the CV and motivation letter.

- Personal interview. With a maximum score of 40 points.

Items	40
Attitude	10
Fit in the workplace	10
Experience, functions developed/skills	15
Teamwork	5

The selected person must have obtained a minimum score of 70 points in the sum of the scores of the assessment of all phases of the selection procedure.

SELECTION COMMITTEE

- President: Carolina Serena Perelló (Group Leader)
- Chair 1: Aleidis Caro Tarragó (Clinical Researcher)
- Chair 2: Albert Boronat Toscano (Predoctoral Researcher)

SUBSTITUTES:

- President: Margarita Menacho Viladot (Clinical Researcher)
- Chair 1: Gemma Valldossera (Clinical Researcher)
- Chair 2: Brenno Dominguez Porfirio (Postdoctoral Researcher)

CANDIDATES

- The CV must include the DNI/NIE number or personal identity document
- Send your CV and Cover Letter through the form that can be found inside the offer on the IISPV website <https://www.iispv.cat/treballa-amb-nosaltres/>

For any questions or queries: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF CV 17/04/2025

COMMUNICATIONS

The IISPV will inform candidates through the website if they have been admitted or excluded from accessing the interview.

HR EXCELLENCE IN RESEARCH

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 on equal terms with 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 the 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 they join will be hired.

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.

CHANGE CONTROL		
Date	Review	Modifications
03-07-24	00	Document creation