

INTERNATIONAL CALL IC60_24

JOB TITLE

R2 POSDTDOCTORAL POSITION LINKED TO PROSTATE CANCER RESEARCH PROJECT FROM AECC (PRYES246650RODR)

JOB DESCRIPTION

RESEARCH GROUP:

The DIBIOMECA group (<https://www.iispv.cat/es/grup/dibiomeca/>), dedicated to research into disease biomarkers and molecular mechanisms, focuses on the following strategic area: Investigation of the molecular mechanisms involved in the initiation and progression of urogenital tumours (prostate and bladder), with a special focus on the tumour microenvironment, with the aim of improving the diagnosis and treatment of patients. Our laboratory is dedicated to identifying new molecular biomarkers capable of predicting the aggressiveness of prostate, bladder and kidney cancer.

RESEARCH CENTER:

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.

Number of available positions: 1

The selected candidate will perform the following tasks linked to the PRYES246650RODR cancer research project funded from La Fundación Científica Asociación Española contra el Cáncer:



- Isolation and characterization of extracellular vesicles (exosomes, microvesicles, etc.) in peritumoral adipose tissue samples.
- Design and execution of experiments in molecular biology, including techniques such as cell cultures, PCR, qPCR, western blot etc.

- RNA-seq data analysis and management of large gene expression databases.
- Collaboration with the multidisciplinary team to integrate the data obtained and develop diagnostic and prognostic models.
- Involvements Innovation (data protection to be licensed as patents, algorithm design etc..)
- Writing scientific manuscripts and presenting results at international and national conferences.
- Participation in scientific and public dissemination of results specially those related with AECC.

CANDIDATE PROFILE & REQUIREMENTS

- PhD in Biology, Biochemistry, Biotechnology, or related fields.
- Demonstrable experience in cancer research and molecular biology (cell culture, RNA and protein analysis).
- Advanced knowledge in molecular biology techniques, work with extracellular vesicles (isolation and characterization) will be valued.
- Experience in bioinformatic analysis of transcriptomic data (RNA-seq), and management of genomic databases.
- Organizational skills and ability to manage research projects autonomously.
- Ability to work as a team and communicate results clearly and effectively.

IT WILL BE VALUED

Additional consideration will be given to:

- Previous publications in scientific journals in the field of cancer and/or extracellular vesicles.
- Knowledge in data analysis using software such as R, Python or similar.
- Experience in database management and knowledge of statistical programs (SPSS, R).
- High level of English.
- Experience in integrating transcriptomic data with clinical or pathological data.
- Experience in cell line cultures, primary cultures, gene expression analysis (QRT-PCR), Western blot, ELISAs, and immunohistochemistry, confocal microscopy

LABOUR CONDITIONS

- Full-time position: 40 h/week
- Workplace: Mòduls Recerca-Hospital Universitari Joan XXIII de Tarragona

- Contract: Indefinite - scientific-technician linked to the PRYES246650RODR cancer research project funded from La Fundació Científica Asociación Española contra el Cáncer (duration approximately 2 years).
- Gross annual salary: 26.000 € - 28.000 €
- Starting date: January 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 50 points.
- Cover Letter. Attach to the resume a cover letter 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 60 points in the sum of scores of the evaluation of the curriculum and cover letter

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

Items	40
Attitude	10
Fit in the work place	10
Experience, developed functions/skills	10
Teamwork	10

The selected person must have obtained a minimum score of 80 points in the sum of scores from the assessment of all phases of the selection procedure.

SELECTION COMMITTEE

President : Matilde Rodríguez Chacón (DIBIOMECH Group Leader)
Chair 1: Verónica Arreaza-Gil (Postdoctoral Researcher)
Chair 2: Ana Rull (INIM Group Leader)

Susbtitutes:

President: Xavier Ruiz Plazas (Specialist in Urology, co-IP DIBIOMEC Group)

Chair 1: Silvia Chafino (Postdoctoral Researcher)

Chair 2: Xana Bernal Escoté (Specialist in Pathological Anatomy)

CANDIDATURES

- The CV must include the DNI/NIE number or another personal identity document number.
- Send the CV and the Cover Letter through the IISPV website. <https://www.iispv.cat/treballa-amb-nosaltres/>

For any questions or queries: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF CV 20/11/24

COMMUNICATIONS

The IISPV will notify the candidates of the results of the different phases of the selection process through its website.

HRS4R Research in HR Excellence

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.