

INTERNATIONAL CALL IC43_26

JOB TITLE

POSTDOCTORAL RESEARCHER IN HEPATIC VASCULAR BIOLOGY

Researcher career profile (R2)

JOB DESCRIPTION

The Institut de Recerca Biomèdica Catalunya Sud (IRBCatSud) is an institution that integrates research in the field of biomedicine in the “Camp de Tarragona” and the “Terres de l’Ebre”. IRBCatSud 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 selected postdoctoral researcher will conduct in the Liver Research Unit experimental and translational research in hepatic vascular biology, with a focus on hepatic microcirculation, sinusoidal cell dysfunction and haemodynamic alterations in liver disease. The role combines experimental work, data analysis, scientific communication and student supervision.

Number of available positions: 1

The selected candidate will perform the following tasks:

- Plan and conduct research on hepatic vascular biology and the mechanisms linking sinusoidal cell dysfunction to liver disease and portal hypertension.
- Perform experiments in animal models of liver disease, including hepatic and systemic haemodynamic studies and the collection and processing of biological samples.
- Isolate, maintain and characterise primary liver cells, and conduct cell culture experiments and functional, molecular and cellular studies.
- Analyse and interpret experimental results, apply appropriate statistical methods and maintain clear, reproducible records of experiments and data.
- Prepare figures, abstracts and oral or poster presentations for group meetings, scientific conferences and project reporting.
- Supervise and train undergraduate, Master’s and PhD students in experimental techniques, data analysis and scientific communication, in coordination with the group leader.
- Draft and revise scientific manuscripts, contribute to responses to reviewers and collaborate with the research team and project partners.

CANDIDATE PROFILE & REQUIREMENTS

- Bachelor’s degree or Degree in Biochemistry, Biology, Biomedical Sciences, Biotechnology or a closely related discipline.
- PhD in Life Sciences or a related biomedical discipline, with a research focus on human disease.

- Demonstrable long-term research experience in hepatic vascular biology, particularly hepatic microcirculation and the cellular mechanisms of liver disease.
- Hands-on experience with animal models of liver disease.
- Experience in primary liver cell isolation and culture, and in cellular and molecular studies relevant to hepatic vascular biology.
- Experience in analysing and interpreting research results and preparing scientific figures and presentations.
- Experience in supervising or training PhD students and in drafting scientific manuscripts.
- Languages: Catalan, Spanish, English.

IT WILL BE VALUED

- Knowledge of liver sinusoidal endothelial cells, hepatic stellate cells and their interactions in chronic liver disease and portal hypertension.
- Advanced skills in molecular and cellular techniques, including gene and protein expression analysis, immunostaining and microscopy.
- Proficiency in statistical analysis and scientific graphing tools, such as GraphPad Prism, R or equivalent software.
- Experience in translational liver research and in evaluating interventions targeting hepatic vascular dysfunction.
- Ability to identify and solve experimental problems, work independently, organise research activities and contribute effectively to a multidisciplinary team.
- Additional merits include relevant peer-reviewed publications, experience mentoring students, strong scientific English and the qualifications required to perform animal experimentation.

LABOUR CONDITIONS

- Full-time position 40h/week
- Workplace: Hospital Universitari Joan XXIII de Tarragona and Hospital Universitari Sant Joan de Reus
- Contract: Indefinite scientific-technical activities (linked to the Liver Research Unit PFIS, subject to approval by the CEIm).
- Gross annual salary: Salary according to the candidate's qualifications
- Starting date: November 2026

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 90 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 70 points in the sum of scores of the evaluation of the curriculum and cover letter

- Personal interview. With a maximum score of 100 points.

Items	100
Attitude	15
Fit in the work place	20
Experience, developed functions/skills	50
Teamwork	15

The selected person must have obtained a minimum score of 150 points in the sum of scores from the assessment of all phases of the selection procedure.

SELECTION COMMITTEE

- President: Jordi Gracia-Sancho (Senior Group Leader IRBCatSud)
- Chair 1: Joan Vendrell Ortega (Director IRBCatSud)
- Chair 2: Joan Carles Quer (Senior Researcher, Liver Research Unit IRBCatSud)

SUBSTITUTES:

- President: Sonia Albertos (Researcher, Liver Research Unit IRBCatSud)
- Chair 1: Inés Sáenz de Miera (Researcher, Liver Research Unit IRBCatSud)
- Chair 2: Silvia Montoliu (Researcher, Liver Research Unit IRBCatSud)

CANDIDATURES

- The CV must include the DNI/NIE number or another personal identity document number.
- Send the CV and the Cover Letter through the form that you will find on the bottom of the offer page <https://www.irbcatsud.cat/treballa-amb-nosaltres/>

For any questions or queries: recruitment@irbcatsud.cat

DEADLINE FOR RECEIPT OF CV 29/10/2026

COMMUNICATIONS

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

HRS4R Research in HR Excellence

The IRBCATSUD 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 IRBCATSUD 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 IRBCATSUD is available on the following website: <https://www.IRBCatSud.cat/hrs4r-hr-excellenceresearch/>

The IRBCATSUD 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.

CHANGE CONTROL		
Date	Review	Modifications
07-10-26	00	Document creation