

Lab Technician at the Research Group Molecular Imaging for Precision Medicine in Barcelona

Introduction to the vacant position:

The Molecular Imaging for Precision Medicine (MIPMED) is looking for a laboratory technician to support the daily lab upkeep tasks and to assist the ongoing research projects of the group, particularly in the development of 3D cell models and cell culture protocols. The contract will be within the framework of the ERC Starting Grant project "Lifetime Metabolomics for Paediatric Liver Cancer Detection and Therapy Assessment Using Organ-on-Chip Platforms (LIFETIME)".

The ideal candidate will have a background in biology or a related field, with significant experience in managing laboratory environments. This role requires strong organizational skills, the ability to work collaboratively in multidisciplinary and international teams, and a commitment to supporting scientific research.

Our group develops hyperpolarized NMR/MRSI tools to study cellular metabolism in vitro and in vivo, with particular interest in organ-on-chip platforms and microfluidic devices.

Main tasks and responsibilities:

- General lab upkeep.
- Maintain and calibrate laboratory instruments and equipment.
- Provide technical support and training to researchers on the use of biochemistry equipment.
- Troubleshoot and resolve technical issues related to laboratory instruments and procedures.
- Managing lab inventory, incl. ordering and receiving supplies and reagents.
- Support the other team members with their research.
- Conduct lab tests, record results and assist in the development of experimental protocols.
- Ensure proper waste disposal and adherence to environmental health and safety standards.
- Maintain accurate records of laboratory activities, equipment maintenance, and inventory.
- Prepare and update standard operating procedures (SOPs) and safety manuals.
- Liaise with suppliers and service providers for equipment maintenance and procurement.
- Foster a collaborative and inclusive lab environment.
- Adapt to the changing needs of the team, providing assistance and support as required.
- Contribute to the preparation of scientific publications and grant proposals.

Requirements for candidates:

Essential:

- Completed or last year of BSc in Biology, Biochemistry or a related discipline
- Previous experience working in a laboratory environment
- Excellent organizational and problem-solving skills
- Ability to work effectively in a multidisciplinary and international team environment
- Communication and teamworking skills, proactivity, commitment, critical and analytical thinking
- Adaptability and willingness to support the diverse needs of the research team
- High level of English

Advantageous:

- Laboratory management experience
- MSc in Biology, Biochemistry or a related discipline
- International experience
- Knowledge on spectroscopic techniques (specifically on NMR) will be a plus.
- B2 level of Spanish

We Offer:

- Number of available positions: 1
- Starting date: March/April 2025
- Working conditions:
 - *Full time 1-year contract.*
- Measures to reconcile work and family life (parental leave, flexible schedule working hours, 23 working days of paid holidays, 9 leave days for personal matters, among others).
- IBEC ensures equality of access to professional development opportunities irrespective of employment status, length at IBEC or other factors. The IBEC's yearly training catalogue offers a wide range of training in technical and transferable skills including mobility grants and a Mentoring programme for predoctoral and postdoctoral researchers.
- Stimulating, interdisciplinary research and high-quality international scientific environment.
- Induction programme to facilitate incorporation at IBEC and additional support is provided for foreigners to obtain Visa-working permit and to install in Barcelona.

How to apply:

Until 16/03/2025 an online application form is available through IBEC dedicated site:

<https://careers.ibecbarcelona.eu/>

Only those applications submitted before the deadline will be evaluated.

Reference: LT-IM

If you have any further question regarding your application, please contact us at

jobs@ibecbarcelona.eu

Principles of the selection process:

IBEC is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission and the Open, Transparent and Merit based Recruitment principles (OTM-R) <https://ibecbarcelona.eu/careers-at-ibec/jobs/>

IBEC's Commitment on equal opportunity:

Our strength and excellence as an international transdisciplinary Research Institute are based on diversity. Being an equal opportunity employer, we are committed to diversity and inclusion, so that we support employees irrespective of their gender, nationality, religion, disabilities, age, sexual identity or cultural and socioeconomic background."

IBEC actively looks for female candidates for Senior positions ensuring that at least 40% of shortlisted applicants invited to interview have to be women with comparable level of CVs as the male candidates. At the end of the evaluation process, in case of equal merit, priority will be given to female candidates.

For candidates with children that come from outside Barcelona, we offer babysitting services during the interview, so you don't have to worry about anything else than doing a good interview. Contact us if you are interested in this service.

IBEC, as a signatory of the San Francisco Declaration on Research Assessment (DORA), will consider, especially for early-stage investigators, much more the scientific content of research outputs, than publication metrics or the identity of the journal in which it were published.



HR EXCELLENCE IN RESEARCH

Protection of personal data:

IBEC guarantees that candidates' personal data are processed in accordance with the requirements of the EU General Data Protection Regulation (GDPR) and Law 3/2018 on Data Protection.

Personal data will be processed solely for the purposes of the selection process.

Who we are?

The Institute for Bioengineering of Catalonia, IBEC is an interdisciplinary research center focused on Bioengineering and Nanomedicine based in Barcelona. IBEC is one of the top research institutions named as a Severo Ochoa Research Centre by the Ministry of Science, Universities and Innovation, which recognizes excellence at the highest international level in terms of research, training, human resources, outreach and technology transfer.

IBEC's mission is to develop international high-quality interdisciplinary research that, while creating knowledge, contributes to making a better quality of life, improving health and creating wealth. A close link with key universities, reference hospitals and corporations, are assets that facilitate achieving the mission.

IBEC was established in 2005 by the Generalitat de Catalunya (Autonomous Government of Catalonia), the University of Barcelona (UB) and the Technical University of Catalonia (UPC).

IBEC is located within the Barcelona Science Park and is managing 3.800 square meters facilities, with an annual budget of 22 Mio€; 4.150 square meters of facilities; 21 research groups and a team of researchers and support services of 400 people from 35 different countries.

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