

Postdoctoral Researcher at the Biosensors for Bioengineering Research Group

Introduction to the vacant position:

The Biosensors for Bioengineering Group is looking for an Postdoctoral Researcher to work on the development of 3D skeletal muscle tissue co-cultures. The contract will be within the framework of FAP-DMD project, whose objective to set-up 3D cell co-culture models using human myoblasts and fibro-adipogenic precursor cells to study the interaction between these cells during fibrotic and adipogenic processes in muscular dystrophies.

Main tasks and responsibilities:

- Develop and characterize 3D tissue co-cultures of skeletal muscle tissues from patient-derived cells.
- Characterize fibrotic and adipogenic processes in DMD and Col6-related 3D models.
- Drug testing and validation in 3D co-cultures.

Requirements for candidates:

Essential:

- PhD on any field on Molecular Biology, Biomedicine or similar.
- Experience on muscular dystrophies and/or fibrosis, will be a plus.
- Experience on drug testing.
- Competencies and skills: Communication, Teamwork and collaboration, Commitment, Proactivity, Integrity, Critical and Analytical thinking.
- High level of English.

Advantageous:

- Experience in skeletal muscle cell culture.
- Experience in muscular dystrophy research.
- Experience in fibrosis.

We Offer:

- Number of available positions: 1
- Starting date: January 1st, 2024
- Working conditions:
 - *Full-time 1-year contract.*
Very competitive salary.
 - Measures to reconcile work and family life (parental leave, flexible schedule working hours, teleworking, 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 a high-quality international scientific environment.
- Induction program 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 the 9th of December 2023 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: PR_JR

If you have any further questions 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 (Postdoctoral and GL 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 17 Mio€; 3.800 square meters of facilities; 20 research groups and a team of researchers and support services of 400 people from 35 different countries.
www.ibecbarcelona.eu