

Predocctoral researcher at the Nanomalaria Research Group

Introduction to the vacant position:

The Nanomalaria Group is looking for a candidate to develop his/her PhD thesis project.

The contract will be within the framework of a project from La Marató de TV3 Foundation, whose objective is the development of coated liposome nanocomplexes as drug delivery systems for the treatment of leishmaniasis.

The successful candidate will develop research involving:

- Targeting analysis of nanocarriers to *Leishmania*-infected macrophages using flow cytometry and fluorescence microscopy.
- *In vitro* drug activity assays in cell cultures.
- Subcellular localization studies of nanocarriers by confocal fluorescence microscopy and transmission electron microscopy.

Requirements for candidates:

- Degree and Master on Biomedicine, Biotechnology, Biochemistry or related field.
- Multidisciplinary qualifications and/or hands-on knowledge of cell culture techniques (specifically on the culture of *Leishmania* will be a plus).
- Competencies and skills: Communication, Teamwork, Proactivity, Commitment, Integrity, Critical and Analytical Thinking, Resilience, Openness, Continuous Learning.
- High level of English.
- Laboratory experience in flow cytometry, confocal fluorescence microscopy, and animal experimentation with mice will be highly valued.
- Computer literacy and analytical skills.
- High motivation and ability to be involved in an international multidisciplinary team.

We Offer:

- Number of available positions: 1
- Starting date: From March 1 and September 1, 2019
- Working conditions:
 - Full time 3-year contract. Salary will be commensurate with academic level and experience.
 - Measures to reconcile work and family life (maternity and paternity 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. Mobility grants for first stage researchers, as well as a Mentoring programme for Postdoctoral researchers are offered.
- 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:

Interested applicants should send their CV, cover letter and the contact of two referees to: jobs@ibecbarcelona.eu before **February 28TH, 2019 (Reference: PhD-XFB)**.

Principles of the Selection Process:

Our Recruitment and Selection Policy is based on the OTM Strategy (Open, Transparent and Merit-based recruitment) www.ibecbarcelona.eu/jobs/ and accept applications without distinction on any grounds. Candidates with disabilities are strongly encouraged to apply. Our commitment to OTM-R principles can also be found in our Gender and Diversity plan.



HR EXCELLENCE IN RESEARCH

Protection of personal data:

IBEC ensures that applicants' personal data are processed as required by EU General Data Protection Regulation (GDPR) and Spanish Law 3/2018 on Data Protection. Personal data shall thus be processed solely for the purpose of the selection procedure.

Who are we?

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 Ministry of Economy and Competitiveness (in charge of research and innovation policy in Spain), 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 an annual budget of 12M€ and 3.800 square meters facilities, 21 research groups and a team of researchers and support services of 300 people from 30 different countries. www.ibecbarcelona.eu