

## Laboratory Technician at the Smart Nano-Bio-Devices Research Group

### Introduction to the vacant position:

The Smart Nano-Bio-Devices Group is looking for a Laboratory Technician to develop scientific support to the research activities of the group dealing with the use of nanoparticles, nanosystems, and nanomotors in bioengineering, biotechnological and biomedical applications.

### Main tasks and responsibilities:

- Synthesis of micro- and nanoparticles (inorganic and organic) and support in the synthesis to group members.
- Support on projects related to 3D printing.
- Maintenance of the analytical and characterization tools, being responsible for some equipment based on candidate's skills.
- Support on the sample preparation and characterization by microscopy techniques such as SEM and TEM.
- Lab organization, ordering of reagents and equipment in coordination with other technicians and the Group Leader.
- Introduction to the new members of the lab facilities and the lab rules. Managing the group's equipment reservation calendars. Train new users in the use of equipment and lab procedures.
- Responsible for the on-boarding and check-out of group members.
- Management of the group's lab spaces and computers.
- Contact person between the researchers and distributors, maintenance, security, secretary and other IBEC departments such as: IT, Core Facilities, Health & Safety, Finances and Communications.
- Responsible for lab safety.

### Requirements for candidates:

#### Essential:

- Degree in chemistry, nanoscience and nanotechnology, nanomaterials, chemistry biomedical engineering, or similar.
- Knowledge in synthesis of nanoparticles inorganic or organic (e.g.: polymeric-based nanoparticles, silica-based, metallic-based, etc) and characterization techniques (e.g: DLS, Z-potential, spectroscopy techniques, etc).
- Competencies and skills: Communication, Teamwork and collaboration, Commitment, Proactivity, Integrity, Critical and Analytical thinking. Problem solving skills and organizational skills in multidisciplinary and multicultural teams.
- High level of English

#### Advantageous:

- Experience as a Lab Technician supporting group members in international labs.
- Experience in electronic microscopy (such as SEM, TEM).



### We Offer:

- Number of available positions: 1
- Starting date: January
- Working conditions:
  - *Full time 12 months* contract. Measures to reconcile work and family life (maternity and paternity 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 10<sup>th</sup> December** 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\_SS

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

[jobs@ibecbarcelona.eu](mailto: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.

### **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.  
[www.ibecbarcelona.eu](http://www.ibecbarcelona.eu)