

IBEC (Institute for Bioengineering of Catalonia) is an interdisciplinary research center focused on Bioengineering and Nanomedicine based in Barcelona. IBEC's **mission** is to develop 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 founded in 2005 by the Generalitat de Catalunya, the University of Barcelona (UB) and the Polytechnic University of Catalonia (UPC).

IBEC is located within the **Barcelona Science Park**, with premises of 2.500 square meters, 20 research groups and a team of researchers and support services of 250 people from 20 different countries. www.ibeccatalonia.eu



Laboratory Assistant (Ref. LA2-RJ)

The [Biomedical signal processing and interpretation](#) group at the **Institute for Bioengineering of Catalonia (IBEC)** is looking for a **Laboratory Assistant** to work in the framework of the project “Multimodal physiological biomarkers for non-invasive monitoring and home healthcare of COPD patients with comorbidities”

Tasks and responsibilities:

- Signal processing and interpretation of EMG signals for characterization of the respiratory muscle activity.
- Comparison of classical non-invasive electromyographic signals with information offered by new concentric ring electrodes and wireless devices.
- Research in multimodal physiological biomarkers for non-invasive monitoring of COPD patients and healthy subjects.

Requirements for candidates:

- Expertise in Signal Processing and Matlab
- Expertise in Biomedical Engineering tools and devices for Respiratory Medicine
- Excellent level of English
- Ability to work effectively in a multidisciplinary team
- Communication and organization skills

We Offer:

- Stimulating, interdisciplinary research and high quality international scientific environment
- 3,5 months employment contract
- Salary will be commensurate with academic level and experience



HR EXCELLENCE IN RESEARCH

IBEC is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission. Thus, there are no restrictions of citizenship or gender and candidates with disabilities are strongly encouraged to apply.

Interested applicants should send their CV, cover letter and references to: jobs@ibeccatalonia.eu, before 08/09/2017 (Reference: LA-RJ).