

Searching for a project manager/entrepreneur on Medical Technologies

BIOART research group

The BIOsignal Analysis for Rehabilitation and Therapy Research Group ([BIOART](#)) is an officially recognized research group by the Generalitat de Catalunya at the Centre de Recerca en Enginyeria Biomèdica ([CREB](#)) (Universitat Politècnica de Catalunya, [UPC](#)) in Barcelona. The group applies engineering techniques to the medical field to improve rehabilitation processes, clinical therapies, and human-machine interfaces. Its experience is verified by many publications, collaborations with hospitals and research & innovation projects.

Project Manager

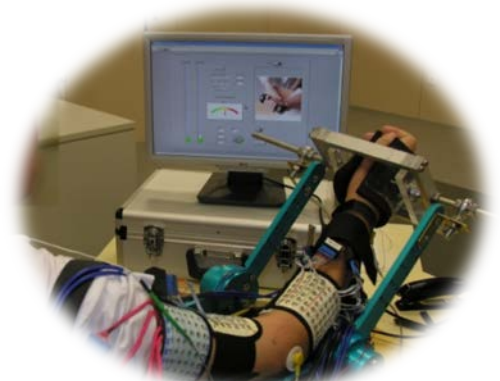
The BIOART group searches for a **Project Manager and/or entrepreneur** as a candidate of the application for “[Innovators grants](#)” from Generalitat de Catalunya. This offers an 18-months contract with a gross salary between 30 and 40K€/year, with the possibility to extend the collaboration with the new start-up and with flexibility on his/her dedication and compatible with other activities. It will be valued positively:

- Knowledge in economics/finance, in using business management tools, and in the legal/regulatory framework.
- Experience in innovation management and in technology and/or knowledge transfer to the private sector.
- Experience in programs for incubation or start-up companies acceleration and previous experience in companies or business units management, particularly in the **sector of medical technologies**.
- Creative, innovation and team leadership skills, as well as being an enthusiastic and committed person.

The candidate will be responsible to promote devices and technologies developed by the BIOART group to be transferred to the market by incorporating a start-up and licensing to third parties. Another responsibility will be fundraising by public and private grant calls for the research group and the start-up when this is created: preparing business models including market strategy and access, business plan and road map to market, among others.

Myosleeve and Myoshirt

They are wearable devices composed of a smart sleeve and a T-shirt including electromyographic (EMG) electrodes, inertial sensors and specialized software for the motor rehabilitation of the forearm and upper-arm. This is based on high-density EMG recording which the group is a pioneer in Spain. This becomes a breakthrough on rehabilitation thanks to get precise and reliable information from the muscles during rehabilitation exercises. These technologies have been selected for funding and are supported by LaCaixa Foundation and CaixaCapital Risc via [CaixaImpulse Program](#) and by ACC1Ó via [INNOTEC grant](#).



WOMEN-UP system

The group has led the [WOMEN-UP Project](#) in the framework of H2020. The European consortium has designed, developed and validated clinically a completely new system for home pelvic floor muscle training of women with urinary incontinence. This is the first solution with medical remote supervision, serious games in the smartphone and monitoring abdominal muscle. The system has been validated successfully with a Randomized Controlled Trial of more than 250 patients from three European Hospitals at Barcelona, Amsterdam and Kuopio.

MV-Optimizer

This computational system assists the clinician in the correct mechanical ventilator setting, which is especially important with the latest generation ventilators. Through the MV-Optimizer and in connection with intensive or semi critical care unit medical devices, the doctor will be able, in a friendly and intuitive way, to test different ventilator settings and to simulate the cardiorespiratory patient's response to help him taking decisions for a more efficient and cost-effectiveness treatment. This technology is being supported by AGAUR via a [LLAVOR grant](#).

Candidates interested in the position or in asking for more information, please, send urgently a complete CV to the [Head of the BIOART group \(miquel.angel.mananas@upc.edu\)](mailto:miquel.angel.mananas@upc.edu) as soon as possible and by 16th of September.