



**Date of publication of the job offer: 13<sup>th</sup> of January 2020**

**Job title**

**Young researcher positions in INNOValora project for developing fast detection biosensors**

**Job description**

The Department of Experimental and Health Sciences - Faculty of Health and Life Sciences (DCEXS - FCSV; <https://www.upf.edu/cexs/>) at Pompeu Fabra University (Barcelona) is specialized in Biomedical Research (Cell and Molecular Biology, Molecular Medicine, Evolutionary Biology and Complex Systems, Biomedical Informatics, Genetics and Neurosciences, Biomedical Engineering, and Public Health and Education in Health Sciences), Teaching Degrees (Human Biology, Medicine and Biomedical Engineering) and Teaching Master's degrees (Biomedical Research, Bioinformatics for Health Sciences, Pharmaceutical and Biotechnology Industry, Clinical Analysis Laboratory, and Public Health).

This project aims to create improved and universal biological sensor architectures for a broad range of detectable molecules. These biosensors will be composed of a small chamber containing different types of engineered cells able to detect specific molecules of interest and produce an easily readable output that allows quantifying the signal concentration. In this project we address two different types of detection, heavy metals and pathogens such as cholera. These devices will be optimal for rapid in situ detection without the need of lab facilities or complementary equipment.

**Project and Institution that finance the contract**

DCEXS Unidad de excelencia María de Maeztu, Pompeu Fabra University, funded by the Ministerio de Ciencia, Innovación y Universidades.

**Official number reference**

CEX2018-000792-M

**Information on the requirements**

- *Experience in lab management*
- *Experience in bacterial cellular cultures*
- *Experience in DNA cloning*



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### **Benefits of the opening**

The two candidates will receive a part-time contract and an annual salary according to the UPF salary guidelines. They will be able to receive training in complementary through courses of Pompeu Fabra University and the PRBB Intervals Programme.

### **Information on the application process**

Please send the following documents:

- CV
- Cover letter

to the email address [javier.macia@upf.edu](mailto:javier.macia@upf.edu) with “*INNOValora application*” in the email title.

Confidentiality in document handling and equality of opportunities policy are guaranteed by Pompeu Fabra University.

### **Deadline to submit applications**

15/02/20

### **Contact**

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