



**Date of publication of the job offer: 15/10/2021**

**Job title: PDC2021 – Research Assistant**

**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). One research assistant opportunity is available in to work at the Translational Synthetic Biology lab, in close collaboration with its Spin-off company Integra Therapeutics (<https://integra-tx.com/>).

Our lab is located at the PRBB in Barcelona (<http://www.prbb.org/>), one of the largest hubs of biomedical research of southern Europe.

We are seeking a motivated research assistant to contribute in engineering novel genome editing tools and their application for developing more efficient and safer gene therapy technologies.

The **tasks and responsibilities** of the post will be the following:

1. Development of gene editing technologies and its application in preclinical trials: cell culture, in vivo experiments in mice, analysis of samples by qPCR, RT-qPCR, flow cytometry, next generation sequencing.
2. Production of lipid nanoparticles and characterization in vivo and in vitro.

**Project and Institution that finance the contract** This contract will be funded by European Union “NextGenerationEU/PRTR; the Spanish Ministry of Science and Innovation - MICIN, and the Research State Agency – AEI, through “Plan de Recuperación, Transformación y Resiliencia” funding program

**Official number reference:** MICIN/AEI-PDC2021-121730-I00/ AEI / 10.13039/501100011033

**Information on the minimum requirements**

- MSc in biology, biotechnology, genetics, experimental or health sciences.
- Relevant laboratory experience.
- Previous experience in mammalian cell culture and transfection, FACS analysis, viral vector production, advance gene editing, qPCR, and/or DNA based molecular biology in general will be highly valued.
- Interest in applied genetic engineering and synthetic biology. Curiosity and motivation to develop new biotechnologies to treat diseases

**Benefits of the opening:**

Contract as research assistant according to regulations in force. PSR according UPF category.

Estimated annual gross salary: 22.800€.

Timetable: 35 hours week (full time).

Place of work: PRBB – UPF.

Laboratory *Translational Synthetic Biology Laboratory*

Department of Experimental & Health Sciences Universitat Pompeu Fabra

Barcelona Biomedical Research Park (PRBB)

c/ Dr. Aiguader, 88, 08003 Barcelona.

**Start date: 01/12/2021****Information on the application process:**

The interested candidates must send their CV to the address: [marc.guell@upf.edu](mailto:marc.guell@upf.edu)

**Deadline to submit applications: 15/11/2021****Contact: PhD Marc Guell Cargol**