



Date of publication of the job offer: 11/06/2024

Job title: Molecular biology scientist

Job description

CRISPR development has significantly advanced genetic engineering procedures, enabling small modifications like base and prime editing. However, large genomic changes still present safety and efficacy challenges. Our goal is to develop new molecular principles for gene writing using RNA-based tools to encode and transfer genes of interest.

We are seeking a highly motivated scientist and problem solver who wishes to participate in a dynamic research environment. The candidate will participate in developing and testing new methods for mammalian gene writing, by giving support to the different branches of the project.

The project will take place in a vibrant ecosystem of translational projects and spin-off companies in the Translational Synthetic Biology Lab at the MELIS department.

The mission of the Translational Synthetic Biology lab is to develop transformative technologies for human health. The Translational Synthetic Biology lab is part of the Medical and Life Sciences (MELIS) department at Pompeu Fabra University (Barcelona). Our lab is located at the [PRBB](#) in Barcelona, the largest hubs of biomedical research in southern Europe.

Expected starting date: September of 2024.

Project and Institution that finance the contract

This contract will be funded by ERC Consolidator grant – SCRIBE project

Official number reference: HE-ERC-2023-CoG-10123888-SCRIBE M.Güell

Information on the requirements

Required skills

- BSc in Biomedical sciences or related subject
- Prior experience in molecular cloning techniques (Golden Gate, Gibson and similar DNA assembly methods).
- Prior experience in flow cytometry-based screenings

- Confidence and prior experience in cell culture (cell line maintenance and transfection, transgenic cell line generation)
- Excellent English communication skills
- Ability to work independently and lead research projects
- Ability to think out of the box

Other aspects

- PhD in Biomedical sciences or related is highly valued but not required
- Previous experience with CRISPR genome engineering tools will be highly valued
- Prior experience with *in-vivo* mice experiments will be valued
- Curiosity and motivation about genetic engineering and synthetic biology

Benefits of the opening:

The candidate will receive a full-time contract and an annual salary according to the UPF salary guidelines. She/he will be able to receive training in complementary areas through courses of Pompeu Fabra University and the PRBB Intervals Program.

The candidate will participate in highly translational projects with interactions with industry and spin-off environments.

Information on the application process

Please send the following documents:

- CV
- Cover letter

To the email address marc.guell@upf.edu with "Molecular biology scientist" and your name in the email title.

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

Deadline to submit applications

10th of July 2024

Contact

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