

Job title:: Research technician ref. MELIS-PSR-INDF-2022-37

Date of publication of the job offer: 23/12/2022

Project and Institution that finances the contract:

INTEGRA THERAPEUTICS, SL-Marc Güell

Job description:

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 Department of Experimental and Health Sciences - Faculty of Health and Life Sciences ([DCEXS - FCSV](#)) at Pompeu Fabra University (Barcelona) is specialized in Biomedical Research. Our lab is located at the [PRBB](#) in Barcelona one of the largest hubs of biomedical research of southern Europe.

The vast expansion of gene editing technologies and therapeutic enzymes holds big promise in treating many diseases. However, the challenge of how to efficiently deliver those tools to specific cell types and tissues remains to be solved. In our lab, we have developed a synthetic evolution platform that uses molecular biology and machine learning frameworks to drive evolution of delivery vehicles with the potential to target any desired cell type with unprecedented precision.

We are seeking a passionate, impact-motivated data scientist/bioinformatician and problem solver who wishes to participate in a fast-paced, dynamic research environment. The developed work will involve development of machine learning algorithms for protein design, phenotypic characterization of single cells and tissues, and creating frameworks for in silico directed evolution.

The project will involve Interactions with industry and Key opinion leaders in the field, in a vibrant ecosystem translation projects and spin-off companies.

Expected starting date: February of 2023

Information on the minimum requirements:

- In possession of a Bachelor in Biology, ideally in molecular biology.
- Confidence in sequencing data manipulation and implementation of bioinformatic pipelines.
- Curiosity and motivation to applied novel biotechnological solutions.
- Excellent team player who enjoys working in a fast-evolving research environment.
- Interest in applied genetic engineering and synthetic biology.

- Previous experience in artificial intelligence, machine learning and/or computational protein engineering, and single cell analysis will be valued.
- Previous experience in biological systems will be valued.

Other aspects to be assessed:

- *MSc in biology, biotechnology, genetics, experimental or health sciences; or equivalent relevant experience.*

Retribució prevista: 39.960€ bruts anuals

Grup i complement: PSR 1 nivell k

Dedicació i jornada: 35 hores setmanals.

Tipus de contractació: Indefinida segons el previst al RD 32/2021 de 28 de desembre de 2021.

Criteris de selecció:

1. *Formació Acadèmica: 0-20 punts.*
2. *Experiència professional/Adequació al perfil proposat: 0-60 punts.*
3. *Altres mèrits: 0-20 punts.*

Puntuació mínim per passar el procés de selecció: 80 punts.

Comissió de selecció:

President: Marc Güell Cargol

Vocal 1: Avenia Sánchez-Mejías

Vocal 2: Berta Alsina Español

Informació en el procés de participació:

Please send the following documents including the reference **MELIS-PSR-INDF-2022-37**

- CV
- Cover letter



To the email address **dimitrie.ivancic@upf.edu** with “T Cell Scientist Application” and your name in the email title.

DEADLINE: *15 of January 2023*