

Date of publication of the job offer: 06/05/2022

Job title: PLEC2021 – Research assistant

Job description

The project involves the use of the human gastruloid system (a human embryonic stem cell model of early human development; see PMID: 32528178) developed in the host lab, to create an in vitro mimic of the hematopoietic stem cell niche. The project is a collaboration with three other groups in Barcelona.

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

1. Culture and growth of human Embryonic and induced Pluripotent stem cell lines.
2. Maintenance of a stem cell line bank
3. The development of the current gastruloid system towards the hematopoietic fate
4. Characterization of the gastruloids in terms of their gene expression and protein patterns.
5. Generation of new cell lines through genetic engineering.
6. Collaborate with and assist postdoctoral research associates in the work related to the project.

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-PLEC2021-007518/10.13039/501100011033

Project Title: “RECREATING THE EMBRYONIC NICHE FOR HEMATOPOIETIC STEM CELL PRODUCTION AND DERIVATIVES IN HUMAN GASTRULOIDS”

Information on the minimum requirements

1. Experience and knowledge of human Embryonic stem cells culture
2. Experience with basic confocal microscopy
3. Basic molecular and cell biology, including RNA biology and immunocytochemistry
4. Experience with CRISPR-Cas (desirable).
5. Some basic knowledge of data bases and bioinformatics (desirable)
6. Good level of english (essential)



**Universitat
Pompeu Fabra**
Barcelona

Benefits of the opening:

Full time contract as Research Assistant according to regulations in force for all the project duration (trial period of 2 months).

Estimated annual gross salary: 21.775 – 30.500 according to experience.

Place of work:

Systems Bioengineering Laboratory

Department of Medicine and Life Sciences

Barcelona Biomedical Research Park (PRBB)

c/ Dr. Aiguader, 88, 08003 Barcelona.

Envisaged Job Starting Date: 01/07/2022

Information on the application process:

The interested candidates must send their CV and the name and address of 3 referees to the address: stembryolab@upf.edu

Deadline to submit applications: 05/06/2022

Contact: stembryolab@upf.edu