

Job vacancy related to European Project

Host institution: CIC bioGUNE, Bizkaia Science and Technology Park, Derio, Bizkaia.

Host department: Laboratory of Exosomes. Metabolism and Cell Signaling in Disease program

Supervisor: Prof. Dr. Juan M. Falcón-Perez

The project

The project will study the impact that EVs have over cellular metabolism. EVs carry active metabolic enzymes with the potential to have a huge impact in the metabolism of the organism. Several groups including ours, have shown that EVs may enzymatically modify the extracellular environment, and also the metabolism of the cells that internalize the vesicles. The effects of these activities and the underlying mechanisms are greatly unknown, and constitute the main research line of the CIC bioGUNE's Exosomes laboratory. In particular, the project will be focused on the role that EVs has on prostate cancer metabolism, in both, the establishment and progression of the disease. In addition, EVs are very attractive as biological source to identify low invasive disease biomarkers. Thus, in the project urinary EVs will also be studied by using different isolation and characterization methods in order to find sensitive and specific low invasive markers for diagnosis and classification of prostate cancer. During the course of the project, the ESR will acquire expertise in different cell biology and biochemistry techniques, as well as, proteomics and metabolomics technologies in combination with bioinformatics analysis.

Required expertise and skills in addition to the general eligibility criteria

Candidates should have a Master's degree in one of the following disciplines (or related): Biological Sciences, Chemistry, Biochemistry, Pharmacy or Medicine. Besides academic record, it will be well considered to have knowledge in metabolomic, bioinformatic, as well as statistical and language skills, along with strong motivation to pursue a scientific career.

Criteria

You are invited to apply if you meet the following eligibility criteria:

- You are in the first 4 years (full-time equivalent research experience) of your research career and have not been awarded a doctoral degree. This is measured from the date when you obtained a degree that formally entitles you to embark on a doctorate until the start date of employment.
- You are willing to move to the country of the host institution of your interest.
- You have not resided or carried out your main activity (work, studies, etc.) in the country of the host institution of your interest for more than 12 months in the 3 years immediately before the start date of employment. Short stays, such as holidays, are not taken into account.
- You are proficient in written and spoken English.
- You have the requested skills and experience for the ESR project(s) of interest (see Vacancies).

Type of contract

Fixed-term position for 36 months

Full-time, 40 hrs per week

Website

Prof. Dr. Juan M. Falcón-Perez: <https://www.cicbiogune.es/people/jfalcon>

Contact details

For more information about this position: Prof. Dr. Juan M. Falcón-Perez: jfalcon@cicbiogune.es

How to apply

proevlifecycle.eu/apply-now