

JOB OFFER

Job description: PhD Training position in a Gene Therapy Start-up (Doctorado Industrial grant)

Spin-off from the Universitat Pompeu Fabra is looking to incorporate a pre-doctoral profile with knowledge in gene or cell therapy under the Doctorat Industrial program (<https://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnextoid=20a252d2d8306710VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD>). The recently incorporated company plans to develop and commercialize a next generation genome editing technology for clinical use.

The student will be co-mentored by Dr. Avencia Sánchez-Mejías (Scientific Director of the company) and Dr. Marc Güell director of The Translational Synthetic Biology group at UPF. The facility is located at the PRBB in Barcelona, one of the largest hubs of biomedical research of southern Europe. We are seeking for a motivated scientist to work on engineering genome editing tools applied to developing more efficient and safer gene therapy technology. Our lab is focused on developing a new family of gene editing technologies that join efficacy from viral vectors and precision of modern systems such as CRISPR/cas9. The candidate will participate in an entrepreneurial project with interactions with industry and clinicians.

Starting in February 2021, fellows will be awarded a PhD position for 4 years.

Responsibilities

- Develop new technologies for precise gene editing
- Apply new concepts of synthetic biology and genetic engineering to gene therapy
- Deploy technology to clinically relevant models
- Interface with collaborators and stakeholders: experimental/medical partners, biotech and pharma companies, patient associations
- Integration in a multidisciplinary and international research team

Skills required

- Degree in engineering, experimental sciences or medicine
- Knowledge on molecular biology; experience in gene editing will be appreciated.
- Interest in Synthetic Biology and applied and translational genetic engineering
- Curiosity and motivation to develop new therapeutic biotechnologies
- Multidisciplinary mind to engage with multiple players of translational science
- Strong academic record will be appreciated.

Benefits of the opening:

The candidate will receive a 4-year employment contract as a PhD.

Information on the application process:

Please send your CV and Cover letter to the email address:

avencia.sanchez-mejias@upf.edu with the email title “Doctorado Industrial application”.

Deadline to submit applications: 10th January 2020