

Postdoctoral opportunity in applied synthetic biology

SUMMARY

One postdoctoral opportunity available in the Translational Synthetic Biology group led by Marc Güell at Pompeu Fabra University.

DESCRIPTION

Synthetic Biology is an emerging field of research where scientists construct new biological systems and redesign existing ones. Our ability to modify genomes has profoundly affected how we perform scientific research, and future therapies. Emergent consequences of reinventing biology have already started to reach society. For example, engineered human immune T cells (CAR-T) cure cancers with outstanding performance, or 'ex vivo' gene therapy has successfully cured severe genetic diseases such as 'bubble boys' or sickle cell disease. Biological technology will have a growing influence in our lives. One position will be made available to develop novel methodologies to engineer biological systems:

Synthetic biology of metagenomics systems: Candidates interested in using applied genetic engineering to re-engineer microbial communities, or new natural products

Find more information on the group at <https://www.upf.edu/en/web/synbio>

Qualifications

- PhD in engineering, experimental sciences or MD
- Interest in applied genetic engineering and synthetic biology
- Curiosity and motivation to develop new biotechnologies
- Strong academic track record will be appreciated

Applicants please send CV and motivation letter to marc.guell@upf.edu