Universitat Pompeu Fabra Barcelona
Departament de Ciències Experimentals i de la Salut

AGENCIA ESTATAL DE INVESTIGACIÓN

Date of publication November 8, 2018

Job title Research assistant in systems biology

Job description

We are seeking a research assistant to work on monitoring gene expression in single-cell bacteria using time-lapse fluorescence microscopy and microfluidics, with the goal of identifying how transcriptional networks process complex time-dependent information from the extracellular environment. The experimental observations will be used to constraint computational models describing the dynamics of gene expression in those transcriptional networks, which will in turn suggest new hypothesis to be validated experimentally.

Project and institution that finance the contract

This contract is being financed by the EXPLORA project RECOMB ("Recurrent computation in biological networks"), funded by the Ministerio de Ciencia, Innovación y Universidades through the Agencia Estatal de Investigación (project ref. FIS2017-92551-EXP).

Minimum requirements

- Candidates should trained in biology, biotechnology, biomedical engineering, or equivalent. Other backgrounds might be acceptable if strong motivation to perform research in systems biology is shown.
- Knowledge of experimental methods in at least one of these areas is required: molecular biology, microbiology, biochemistry, microfluidics, and/or microscopy.
- Communication skills in English (written and oral) are also necessary.
- Knowledge of computational tools for data analysis and/or modeling is desirable.

Benefits of the opening

The selected candidate will receive a one-year part-time contract, renewable up to 12 additional months, with a gross salary/year of 17,000€.

Application process

Candidates should submit an application containing a motivation letter, CV, and the contact details of two references, to Jordi Garcia Ojalvo (jordi.g.ojalvo@upf.edu).

Application deadline: November 22nd, 2018