



LAB TECHNICIAN/MANAGER POSITION AT THE EVOLUTIONARY AND FUNCTIONAL GENOMICS LAB

Research at the Evolutionary and Functional Genomics lab focuses on understanding the genetic and molecular basis of adaptation. Towards this end, we combine *-omics* approaches, including DNA-seq, RNA-seq, ChIP-seq and Hi-C, with detailed molecular (*e.g.* in vivo enhancer assays, CRISPR/Cas9 editing) and phenotypic analyses (*e.g.* survival analysis, stress-response analysis), to identify and characterize adaptive mutations. More details about our research are available at <http://gonzalezlab.eu>. We are located at the Institute of Evolutionary Biology (IBE), a joint institute of the Spanish National Research Council (CSIC) and the Pompeu Fabra University (UPF) in Barcelona city. The IBE is a member of the Barcelona Biomedical Research Park (PRBB).

Job Description

The laboratory technician will be part of a team of two postdoctoral researchers and one laboratory technician, carrying out a research project that aims to understanding the molecular mechanisms underlying gene-environment associations in the context of the current global change. The team will identify and characterize gene-environment associations in *Drosophila melanogaster* natural populations using both bioinformatic and experimental approaches. Whole genome sequences from natural populations collected mainly in Europe, US and Africa will be available at the start of the project, while other *-omics* datasets will be produced during the course of the project.

The laboratory technician will be responsible for general wet-lab duties, including DNA/RNA extractions, PCRs, running gels, DNA cloning, as well as fly stock maintenance. The lab technician/manager will also be involved in project management duties such as contacting vendors and placing orders, as well as management of the citizen science project, associated with the research project, including communication with teachers and policy makers, and organization of meetings and events. The laboratory technician is expected to participate in lab meetings and to help train new lab members.

Contact josefa.gonzalez@csic.es for further details.

REQUIREMENTS

Good organizational skills and good writing and oral communication skills are required. Experience with DNA cloning is required.

Graduate studies or PhD in Evolutionary Biology, Genetics, or similar fields is desirable.



Experience with directed mutagenesis experiments, CRISPR/Cas9 editing are desirable. Previous knowledge on *Drosophila melanogaster* and transposable elements biology is desirable.

CONTRACT DURATION AND BENEFITS

Duration: 1 year, with possibility of extension

Starting date: The position is available immediately. Starting date is negotiable.

Type of contract: Part time (18h 45' hours per week or 25 hours per week, to be discussed)

Salary Range: Depending on experience and according to CSIC salary scales.

Benefits: The candidate will join a research team that has expertise both in experimental and bioinformatics methodologies. Several projects are currently ongoing in the laboratory which allows for collaborative opportunities. The Evolutionary and Functional Genomics lab also offers extensive networking opportunities as we are co-leaders of the European *Drosophila* Population Genomics Consortium (<https://droseu.net>) that brings together 74 research labs across 28 countries, the Spanish excellence network in Adaptation Genomics (<https://adaptnet.es>), the CSIC LifeHub network (<https://lifehub.csic.es>), and we are part of the TE hub initiative (<http://tehub.org/>).

APPLICATION PROCESS

Send your CV and a brief letter of motivation explaining qualifications and interest in the position to Dr. Josefa González at josefa.gonzalez@csic.es. Please include "Lab tech position" in your e-mail subject.

APPLICATION DEADLINE

Send your application by February 9th 2024 CET.

FUNDING

The position is part of the Project TED2021-130483B-100, funded by MCIN/AEI/10.13039/501100011033 and by the European Union "NextGenerationEU"/PRTR.