

The Institute of Evolutionary Biology seeks a: Lab technician/manager

The Institute of Evolutionary Biology (IBE) is a joint Institute of the Spanish National Research Council (CSIC) and Pompeu Fabra University (UPF), located in Barcelona. IBE's research is focused on the processes and mechanisms that generate biodiversity and on understanding the genetic basis of evolution. The IBE is part of the Barcelona Biomedical Research Park (PRBB), a stimulating international research environment with state-of-the-art facilities.

About the [Mutation Dynamics lab](#)

As individuals age, mutations accumulate in their cells, playing a pivotal role in evolution, aging, and disease. Despite their importance, much remains unknown about how mutations originate or why some cells accumulate more mutations than others. Our lab aims to elucidate the fundamental mechanisms behind mutation formation and investigates the evolutionary forces that shape mutation rates across different cell types and species. We are part of the [Evolutionary Medical Genomics Program](#), a collaborative initiative by the IBE, UPF, and CRG.

Job description

We are seeking a laboratory technician/manager to join our multidisciplinary team of PhD students and postdoctoral researchers. The role includes developing innovative methods, such as single-molecule long-read sequencing, and conducting experiments with mammalian cell lines and mouse models. Our work integrates diverse techniques, including cell culture, FACS, and genomic assays, to study mutation rates and DNA repair pathways.

What we offer

- A **full-time contract of 1 year, with possibility of extension.**
- A gross annual salary in the **30.000 - 40.000€** range (commensurate with experience).
- Location: **IBE, Passeig Marítim de la Barceloneta 37-49, Barcelona, Spain.**
- Starting date: **Early 2025.**

Key responsibilities

Animal handling: Manage and perform work with mouse models, particularly colony maintenance and generation of F1 hybrids.

Cell culture: Maintain and manage mammalian primary fibroblasts, ensuring sterility and reproducibility in experimental setups.

Molecular biology: Perform molecular biology techniques such as DNA/RNA extraction, PCR, and library preparation for next-generation sequencing (DNA/RNA/ATAC-seq).

Lab organization: Oversee the general organization of the wet lab, including maintaining inventories, ensuring proper equipment maintenance, and implementing safety protocols.

Purchasing and budgeting: Manage procurement of lab supplies and equipment, liaising with vendors and keeping track of orders to ensure timely availability of resources.

Team support: Provide technical assistance to team members, train new lab members in experimental techniques, and contribute to troubleshooting and protocol optimization.

Required:

- Bachelor's degree (or higher) in molecular biology, genetics, or a related field.
- Hands-on experience with mouse models and/or mammalian cell culture.
- Proficiency in molecular biology techniques (e.g., sequencing library prep).
- Familiarity with wet lab workflows and laboratory safety regulations.
- Excellent interpersonal and communication skills for working in a team setting.
- Strong organizational skills and attention to detail.
- Fluency in English.

Preferred:

- PhD in molecular biology, genetics, or a related field.
- Experience in a lab management or technician role.
- Expertise in:
 - Exposing cell lines to mutagens
 - PacBio sequencing
 - Isolating cell types with FACS
- Familiarity with inventory management and purchasing procedures.

How to apply

Interested candidates should complete the [application form](#), including:

- i. A **CV**.
- ii. A **brief motivation letter** explaining your interest in the lab.
- iii. **Contact information for at least two referees.**
- iv. Information on **how you heard about this job offer.**

Questions? Please email Marc de Manuel at marc.demanuel@ibe.upf-csic.es.