

ERC Funded Postdoctoral position in gene regulation in Montpellier

Coordinating transcription and translation dynamics

Project

In eukaryotes, the classical view of the central dogma assumes that transcription and translation are unconnected processes. However, many observations challenge this view and suggest that transcription as well as accompanying co-transcriptional events leave an imprint on the subsequent fate of the produced mRNA.

The overall goal of this project is to determine the impact of nuclear co-transcriptional events on the fine-tuning of translation, and their functional benefits for precision of protein expression in a developing animal. The project leader will use genomics (RNA-seq, Ribo-seq), quantitative imaging and optogenetics in *Drosophila* early embryos. More info [here](#).

Qualifications

Prior experience with molecular biology, genomics or microscopy are essential.

Strong interest in developmental biology or mechanisms of gene regulation is key.

Knowledge of *Drosophila* genetics is valuable but not mandatory.

Ability to work as part of an international team is required.

A PhD in biology, biophysics or a closely related field is required by the start of the appointment.

Environment

[IGMM](#) is located on the historic CNRS Montpellier "Route de Mende" campus. It is physically connected to [CRBM](#) and [IRIM](#) research institutes, forming a critical mass of 600 people who create an exceptional dynamic intellectual and technological environment. The labs at IGMM have access to high-tech facilities, in particular through [BioCampus](#). This project will be performed in collaboration with Pr Jean-Yves Roignant (Univ Lausanne, Switzerland).

Application details

Applicants should submit the following information to mounia.lagha@igmm.cnrs.fr by email containing "[ERC Post doc application]" in the subject line:

- 1- Curriculum vitae with contact information of at least 2 referees.
- 2- brief description of previous research (<1 page)
- 3- cover letter describing your interest in the position

Starting after March 2023, the appointment will be made for 3 years. Salary will be commensurate to previous experience in accord with CNRS standards.

