
CBI Call for Post-doctoral fellows

The CBI (Centre for Integrative Biology) – MCD (Molecular, Cellular, and Development Biology) unit is seeking motivated postdoctoral researchers to apply for various postdoctoral fundings (Marie Skłodowska-Curie, EMBO, FRM, etc.) and join our laboratory to carry out their research project.

Research topic

Exploring dosage-sensitive genes on the mouse X chromosome

Our recently established group, “Developmental Regulation of Gene Dosage” (website), is focused on studying the regulation of X-linked genes in the mouse to gain a functional and evolutionary understanding of dosage compensation in mammals. In this context, we are looking for a postdoctoral researcher to investigate the dosage-sensitive potential of mouse X-linked genes. Building on our recent epigenetic screens in mouse embryonic stem cells and derivatives to identify dosage-sensitive candidates on the mouse X chromosome, this project will explore the functions of such dosage-sensitive candidate genes, using targeted genomic engineering to modulate gene expression levels (e.g., using protein-degradation systems, CasTuner), and omics and cellular approaches to investigate the consequences of different gene expression levels.

Related references:

1. Cecalev, Viçoso and Galupa (2024). DOI: 10.1242/dev.202891
2. Lustig et al (2022). DOI: 10.1101/2022.08.02.502458
3. Basilicata and Valsechi (2021). DOI: 10.1371/journal.pgen.1009906

Please email rafael.galupa@utoulouse.fr if you have no access to these articles.

Keywords:

X-chromosome inactivation, dosage sensitivity, epigenetic screens, regulation of gene expression

Experience/Skills required:

- The candidate must hold a PhD in Life Sciences by the application deadline
- Strong interest in molecular genetics, genomics and developmental biology
- Experience with mouse embryonic stem cells, genomic engineering and/or genomics is an advantage
- The candidate is expected to work autonomously and as part of a team, to have patience and rigour in experimental work, to be self-driven and organised, with strong written and spoken communication skills in English
- The candidate will participate in defining the research strategy, conducting experiments, supervising students, analysing results and contributing to research dissemination.

Research environment

Host Institution: [Centre National de la Recherche Scientifique](#), [Université de Toulouse](#)

Research federation: [Centre for Integrative Biology \(Toulouse, France\)](#)

Laboratory: [Molecular, Cellular, and Development Biology Unit](#)

Supervisor: Rafael Galupa ([Google Scholar](#))

Team: Developmental Regulation of Gene Dosage ([website](#))

Why Join CBI?

Located in Toulouse, France, CBI brings over 400 researchers across three research units in Biological Sciences at the University of Toulouse and the French National Centre for Scientific Research (CNRS).

We offer:

- **A cutting-edge research environment** with access to state-of-the-art core facilities in genomics, imaging, bioinformatics, and more – all dedicated to advancing fundamental research in life sciences
- **A collaborative, international scientific community**, committed to equality, diversity and inclusivity
- **A multidisciplinary campus at the University of Toulouse**, offering education in science, health, engineering, and technology, representing one of France's major research cluster
- **A supportive career development**, including mentoring, networking, and fellowship guidance
- **Collaborative opportunities** across research centers in Toulouse and within European networks
- **A dynamic, affordable city offering rich culture and high quality of life.** Ideally located between the Mediterranean, the Atlantic, and the Pyrenees' Mountain, Toulouse has long been a key crossroads in Europe. As the capital of the Occitanie region, France's leader in research and innovation, Toulouse hosts over 15,000 academic researchers, 7,500 PhD students, and dedicates 3.5% of its GDP to R&D

Targeted fundings

- [EMBO Postdoctoral Fellowship](#) – Deadline : **23 January 2026**
- [AToUT Postdoctoral Fellowship Programme](#) – Deadline : **28 February 2026**
- [Marie Skłodowska-Curie Postdoctoral Fellowship](#) – Deadline : **September 2026**
- [FRM – Post-doctorate in France](#) – Deadline : **Expected in May 2026**
- [HFSP Long-Term Fellowship](#) – Deadline : **7 May 2026 (Letter of intent) and 25 September 2026 (Submission of Full Proposal)**
- [EMBO Postdoctoral Fellowship](#) – Deadline : **July 2026 (2 calls per year)**
- And other potential fundings depending on your topic and the eligibility

Most fundings provide living allowance, mobility allowance, family allowance (if applicable, research costs, travel and relocation support). However, each funding opportunity has specific eligibility requirements.

Application Process

- 1) Send a detailed CV and cover letter describing your research interests and how they relate to our team, and including the contact information of at least two references (potential supporters and mentors), to:
 - Rafael Galupa : rafael.galupa@utoulouse.fr
 - Isabelle Saves: isabelle.saves@utoulouse.fr

Email subject line: CBI_PF Application: Rafael Galupa_[Candidate Name]

2) Internal deadline: 15 January 2026

Don't hesitate to apply now as applications will be reviewed on a rolling basis.

- 3) Expected Starting date: From September 2026 to September 2027 depending on the funding