
IPBS Call for Post-doctoral fellows

The IPBS (Institute of Pharmacology and Structural Biology) 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

Structural biology of membrane receptors

We aim to decipher biomolecular mechanisms playing key roles in host-pathogen relationships. Our research focuses primarily on human membrane receptors involved in pathogen detection and immune signaling. Leveraging our core expertise in biophysics and NMR spectroscopy, we integrate these methods with complementary structural and functional approaches, with a particular emphasis on the role of protein structural dynamics and on the influence of modulators of the cell environment. By combining a molecular understanding of these targets with ligand-screening techniques, we aim to contribute to the early-stage development of therapeutics against infections, inflammatory diseases, and cancer.

We are looking for a skilled researcher to further our understanding of how extracellular ligand binding to membrane receptors (G protein-coupled receptors and C-type lectin receptors) leads to intracellular events, and how responses differ among sets of related proteins. The researcher will pursue the expression and purification of soluble protein domains and the preparation of full-length proteins in membrane-mimetic environments. They will use NMR spectroscopy, SAXS, and an array of biophysical techniques to probe the functional responses of these proteins at the atomic level.

Keywords:

Protein expression and purification - Membrane proteins - Nuclear Magnetic Resonance

Experience/Skills required:

- Candidates must hold a PhD or expect to obtain it prior to the application deadline
- Experience in protein expression and purification of membrane proteins
- Experience in NMR spectroscopy

Research environment

Host Institution: Centre National de la Recherche Scientifique

Laboratory: Institute of Pharmacology and Structural Biology (Toulouse, France)

Supervisors: Guillaume Ferré (ORCID:0000-0001-9519-0676) and Andrew Atkinson (ORCID:0000-0002-3645-9492)

Team: Integrative Biological NMR

Why join IPBS ?

Located in **Toulouse, France**, IPBS is a leading research institute affiliated with CNRS and the University of Toulouse.

We offer :

- **A cutting-edge research environment** with access to state-of-the-art facilities in molecular biology, structural biology, imaging, and omics technologies
- **An international, collaborative 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, a cover letter outlining your research interests and motivation for joining the group, and the names and contact information of at least 2 professional references (potential supporters and mentors) to :
 - Guillaume Ferré: guillaume.ferre@ipbs.fr
 - Andrew Atkinson: andrew.atkinson@ipbs.fr
 - IPBS Recruitment: recruit@ipbs.fr

Email subject line: IPBS_PF Application: Guillaume Ferré_[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