
IPBS Call for Post-doctoral fellows

The IPBS (Institute of Pharmacology and Structural Biology) is seeking motivated postdoctoral researchers to apply for Marie Skłodowska-Curie and/or EMBO fellowships, and join our laboratory to carry out their research project.

Research topic

Mechanisms regulating the association of the main DNA repair factor Ku to DNA double-strand breaks in human cells

The Britton team at IPBS is seeking a highly motivated postdoctoral researcher to study the mechanisms regulating the association of the Ku complex with DNA ends in human cells. Ku, a heterodimer of Ku70/Ku80, is a highly abundant nuclear complex that plays a central role in DNA double-strand break repair by recruiting factors of the NHEJ pathway. In addition to its canonical function, emerging roles for Ku have been identified at non-canonical DNA structures such as hairpins, cruciforms, and reversed forks. Building on the team's recent discoveries, the project aims to further dissect the regulation of Ku association at canonical and non-canonical DNA ends and examine the consequences of its deregulation on other DNA transactions.

Keywords: DNA repair; Chromatin; Non-Homologous End Joining; DNA resection; Ubiquitin ligase; super-resolution imaging; optogenetics; PARP.

Research environment

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

Laboratory: [Institute of Pharmacology and Structural Biology \(Toulouse, France\)](#)

Supervisor: [Sébastien Britton](#) **Team:** [Deciphering & Drugging DNA Repair](#)

Fundings conditions

- The fundings provide living allowance, mobility allowance, family allowance (if applicable), research costs, travel and relocation support.
- Candidates must hold a PhD or having it before the fellowship begins.
- **Each funding opportunity has specific eligibility requirements. Please ensure you review them before applying:**
 - [Marie Skłodowska-Curie Postdoctoral Fellowship](#) – Deadline: **10 September 2025**
 - [EMBO Postdoctoral Fellowship](#) – Deadline: **11 July 2025**



Application Process

Send a detailed CV and cover letter (in one PDF document) to:

- Sébastien Britton: Sebastien.Britton@ipbs.fr
- IPBS Recruitment: recruit@ipbs.fr
- Email subject line: IPBS_Postdoctoral Fellowship Application: Sébastien Britton_ [Candidate Name]

Internal deadline (to IPBS): 21 May 2025