



**Indian Institute of Science Education and Research (IISER)  
Bhopal**

**Advertisement for postdoctoral fellow position within a CEFIPRA-funded research project in the  
Department of Chemistry**

December 12, 2025

Applications are invited from Indian nationals for the post of post-doctoral fellow (Research Associate III) in the research area of long-lived mechanoluminescent molecules to upconversion hybrid composites for information encryption and photocatalysis under the “Indo-French Centre for the Promotion of Advanced Research (CEFIPRA)” project funded by the Department of Science & Technology, Government of India and the Ministry of Foreign Affairs and International Development, Government of France. Project No. CEFIPRA/CHM/2023-24/56 (IFC/A/6705-1/ 2023/112).

**Project Description:** The project focuses on the development of long-lived luminescent probe using organic molecular materials and polymers for information encryption and photocatalysis. A thorough time-resolved spectroscopic analyses (TCSPC, TRES), time-resolved microscopy (FLIM) and electrochemical techniques will be employed for the characterizations of the developed materials.

The candidate needs to drive the Indo-French collaborative project working with [Dr. Abhijit Patra](#) at IISER Bhopal and [Dr. Rémi Métivier](#) and [Dr. Clémence Allain](#) at Supramolecular and Macromolecular Photophysics and Photochemistry” (PPSM, CNRS) located at the École Normale Supérieure Paris-Saclay, University Paris-Saclay. The candidate will have the opportunity to visit PPSM laboratory at ENS Paris-Saclay for one month/ per year, fully sponsored by CEFIPRA to conduct the research work.

**No. of Position:** One Post-Doctoral Fellow (Project Scientist-I).

**Duration:** 1 year (initially for 6 months, which is extendable to another 6 months or more based on performance and mutual interest).

**Eligibility:**

- Ph.D degree working in the relevant domain of the project or Ph.D. thesis submitted, working in the field of proposed research, having quality research publications
- Candidate must have three years or more experience in the field of the project in reputed academic institutions or industry or science and technology organisations
- Candidates should have relevant research experience and published first-author papers in reputed forums in the proposed domain of research, particularly in the fabrication of conjugated organic molecular systems and polymers. Experience in time-resolved spectroscopy/ microscopy is required.
- M.Sc. or equivalent degree with a minimum of 60% marks or CGPA  $\geq 7.0$
- Candidates must have Mathematics at the 10+2 and/or undergraduate (Bachelor) level.
- Candidates should be below 40 years of age at the time of application.

**Desirables:** Candidates with a physical/ organic chemistry background with experience in handling inert atmospheres, multi-step reactions, well-versed with time-resolved spectroscopy/ microscopy and experience in cell culture/ cellular imaging will be preferred

**Salary:** 77,000 (basic) + HRA (20%)

**How to Apply:** Applications containing a detailed CV (including name, photograph, date of birth, address for communication, phone number, email id, details of educational and scientific accomplishments, **research experience in the proposed field with first page of the published papers (*only first-author papers*) in the direction of the project and *name of two referees*)** should reach the undersigned **in a single pdf file only by email with subject line ‘Application to CEFIPRA Post-doctoral Fellowship’ to: [abhijit@iiserb.ac.in](mailto:abhijit@iiserb.ac.in)**

**The last date for receiving applications is January 05, 2026, by 10 PM.**

Shortlisted candidates will be called for an online interview. Photocopies of certificates/mark sheets and other testimonials regarding specific research experience will be reviewed at the time of the interview. The selected candidate will be expected to join at the earliest possibility.

**Contact Details:**

Prof. Abhijit Patra

Department of Chemistry

Indian Institute of Science Education and Research (IISER) Bhopal

Email: [abhijit@iiserb.ac.in](mailto:abhijit@iiserb.ac.in)

Web: <https://www.fml.iiserb.com/>