

Advertisement for Research Associate (RA-1) position in Chemistry

Applications are invited for the research associate (RA-1) position under the supervision of **Dr. Biplab Maji, Professor, Department of Chemical Sciences, IISER KOLKATA**, with Ph.D. in organic chemistry/physical chemistry background. The position is for **only 12 months but may be extended for another 12 months**, depending on the performance of the candidate. The research work **computational modeling and transition-state modelling** that involves the development of a novel class of bifunctional iridium catalysts capable of achieving remote enantioselective C(sp²)-H borylation through precisely engineered secondary coordination-sphere interactions. The project is funded by ANRF.

- Title of the project:** “Design and Development of Tunable Chiral Bifunctional Ligands for Site- and Enantioselective C–H Functionalization via Secondary Coordination-Sphere Interactions”
- Funding agency:** ANRF.
- Principle Investigator:** Dr. Biplab Maji, Prof, Dept. of Chemical Sciences.
- Remuneration:** 58000 INR per month + 24% HRA.
- Tenure:** 12 months (extendable for 12 months, depending on satisfactory performance and the availability of funds)
- Eligibility:** Exposure to theoretical and computational chemistry with ability to perform molecular and excited-state reactivity calculations. The candidate should be able to handle transition-state models with DFT and Multi-reference methods. The candidates should have a good academic record and completed the Ph.D. degree within the 15 years or those who submitted their Ph.D. thesis recently. The candidate is expected to have at least 4 first-author publications.
- Age limit:** Must not be over 40 years as of 31st March, 2026, which can be relaxed for certain reserved categories as per rules of the Government of India.
- Selection Criteria:** The selection for the Research Associate position will be made based on the past academic record, experience as well as performance in the interview.
- No of posts: 01**
- More information**
 - No TA/DA will be paid for attending the interview.
 - Only short-listed candidates will be contacted by email. The prescribed educational qualifications are a bare minimum, and merely possessing of same will not entitle candidates to be called for an interview. Where the number of applications received in response to this Notice of engagement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendation of the Selection Committee, the Principle Investigator may restrict the number of candidates to be called for an interview to reasonable limits after taking into consideration qualifications and experience over and above the minimum qualifications prescribed.
 - The engagement will be initially for a period of 12 months which may be extended or curtailed depending on the duration of the tenure of sponsored project/satisfactory performance or conduct of the appointee, as the case may be. The appointee must provide 3 months' Notice prior to discontinuing the project.
 - The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake or the candidate has clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated
 - The interview will be in online/offline mode, the date of which will be notified later.
- How to apply:** Interested candidates are requested to send their application (Cover letter, short CV, Summary of their Ph.D. work, list of publications, justification for the suitability of the above-stated project, and three referee names) to the Principal Investigator (**Dr. Biplab Maji**) through email to **bm@iiserkol.ac.in** on or before **12.00 midnight 31st March, 2026**.

Dr. Biplab Maji

(Principal Investigator)
Email: bm@iiserkol.ac.in