



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

### **Project Associate I / JRF at IISER Bhopal**

Applications are invited from Indian nationals for a post of “PA-I or JRF” in the Science and Engineer Research Board sponsored project “**In-cell NMR Characterization of DNA G-quadruplexes: Pursuit Towards Understanding Small Molecule Binders and Therapeutics**”.

#### **Project description:**

This project involves biophysical characterization of DNA G-quadruplexes using solution-state NMR spectroscopy. The basic focus would be to chart the molecular determinants of biomolecular folding. The project would involve analysis of G-quadruplex conformations using 2D NMR experiments and may involve data interpreting based on other complimentary tools (such as UV-Vis/Circular Dichroism spectroscopy, molecular dynamics simulations, machine-learning approaches). Details of research pursued in the BioNMR lab at IISER Bhopal can be found here (<https://bionmr.wordpress.com>)

#### **Essential Qualifications:**

BS-MS/M.Sc./MS (or equivalent) in Physics/Chemistry/Physical Chemistry/Biophysical Chemistry/Biochemistry or related disciplines with good academic record (first class/division or minimum CPI of 7.0/10.0). Candidate must have qualified a National Eligibility Test (UGC, CSIR, GATE, etc.) with a valid rank/score at the time of applying for this post. Students from national institutes (e.g., IISERs/IITs/NITs/IISc) with above 8.0/10.0 CPI are eligible without NET qualification.

**Salary:** Rs. 30,000 (Net) / Rs. 37,000 (Non-Net)  
**Duration:** 1 year\* and renewable based on satisfactory performance  
\*performance assessment shall be carried out regularly

#### **Desirable Qualifications:**

- Experience/knowledge in NMR spectroscopy, biophysical methods, and computer skills (using Linux and programming).
- Prior experience in working in a research lab.

#### **How to Apply:**

Interested researchers should fill out an online application form and upload their updated and detailed CV to this application. The application portal will be open until **13<sup>th</sup> April 2026**. For any queries regarding this application please email [bharathwaj@iiserb.ac.in](mailto:bharathwaj@iiserb.ac.in) with the subject reading “Query regarding ANRF ARG JRF position”.

Interview shall be conducted online via Zoom/GMeet platform (tentatively set in the range of 15-17<sup>th</sup> April 2026). Selected candidates shall be intimated via email (tentatively on 14<sup>th</sup> April 2026). Tentative start date for the position is end of April/beginning of May 2026.

**Last date for applications:** 13<sup>th</sup> April 2026 (online application)

**Link to the application portal:** <https://forms.gle/GTReePqGkDXP2NBQ8>