

ADVERTISEMENT for JUNIOR RESEARCH FELLOW **(Dept. of Chemical Sciences, IISER Kolkata)**

A position for a Junior Research Fellow (JRF) is available in the research group of Dr. Amlan K. Roy, Associate Professor, Dept. of Chemical Sciences, IISER Kolkata. The research work involves knowledge in Quantum Chemistry and/or Quantum Physics and the use of computer programming.

Title of project: Information-theoretic measures and complexity under free and confinement situations within DFT: some model and many-electron systems.

- **Number of positions available :** One
- **Funding agency :** BRNS
- **Principal investigator:** Dr. Amlan K. Roy, Associate Professor, Dept. of Chemical Sciences, IISER Kolkata.
- **Remuneration:** As per BRNS rules.
- **Tenure:** Initially for one year, with the possibility of extension for a maximum of three years, depending on the availability of fund and satisfactory performance.
- **Basic Eligibility Criteria:** Highly motivated candidates interested in Theoretical Chemistry/physics, with M.Sc. in Chemistry/Physics/Mathematics/Computer Science (minimum 55% marks in M.Sc). Preference will be given to NET/GATE qualified candidates. Non-NET candidate may only get fellowship according to DST norms.

Candidates should have a strong theoretical background (with knowledge on quantum mechanics/chemistry) and would be expected to carry out theoretical development on Density Functional Theory (DFT).

- **Additional experience (desirable):** Exposure to Linux and computer programming will also be helpful.
- **How to apply :**
Eligible candidates may apply with their CV and a cover letter to Dr. A. K. Roy by email : akroy6k@gmail.com or akroy@iiserkol.ac.in. Details of research work can be found at the following link. <http://www.iiserkol.ac.in/people/faculty/dcs/akroy>
- **Last date for receiving applications:** 10 days from the date of advertisement.
- **Interview:** Short-listed applicants may be invited (via email) for an oral interview at IISER Kolkata.
- **Conditions:** No TA / DA will be provided to the candidate for the interview. The decision of the selection committee will be final.