

## **Advertisement for Research Associate in a CEFIPRA sponsored project**

Applications are invited for the post of Post-doctoral Research Associate in the CEFIPRA sponsored project titled “**Charge density wave state in correlated quantum matter: Frustration and lattice coupling**”, in the group of **Prof. Amit Ghosal** at the Department of Physical Sciences, IISER Kolkata. This project is undertaken jointly with **Prof. Catherine Pépin**, IPhT, CEA – Saclay, France, and will involve theoretical and computation investigations to understand certain phenomenologies of correlated quantum materials. **Suitable candidates are expected to have interests and experience broadly in quantum condensed matter physics and statistical mechanics. Experience in the physics of strongly correlated systems and closely related fields and experience with numerical developments is desirable.**

**Applications including a CV, a list of publications, a brief description of past research and a statement of purpose in not more than 400 words explaining the candidate’s scientific interest in joining the aforementioned position should be sent by email to: [ghosal@iiserkol.ac.in](mailto:ghosal@iiserkol.ac.in). Please use the subject line of the email as: ‘Application for RA position in CEFIPRA project’. Applicants may be contacted later and asked to arrange two letters of recommendation to be sent to the same email address.**

**The last date for receiving applications is 25 September, 2023.**

For further enquiry about the project, please contact: [ghosal@iiserkol.ac.in](mailto:ghosal@iiserkol.ac.in).

**Position:** Research Associate

**Fellowship:** Rs. 47,000/- (per month), as per DST norms, see:

**<https://dst.gov.in/sites/default/files/OM%20Fellowship%20Revision-2019.pdf>**

HRA will be provided at the admissible rate in the case of non-availability of hostel facility on campus (As per DST norms).

**Duration:** Initially for one year, to be renewed for a second year based on performance, with an upgradation in salary as per DST norms.

### **Additional Eligibility:**

- (i) PhD in Physics or Material Sciences in the area of theoretical/computational condensed matter physics
- (ii) Candidates with experience in numerical code developments for solving scientific research problems.
- (iii) **Age limit:** Up to 35 years as on 30th September, 2023 which can be relaxed for certain reserved categories as per rules of Government of India.

Shortlisted candidates will have to appear for an interview at IISER Kolkata. An online interview will be arranged only if the physical interview does not work for valid and pressing reasons.

**It is also expected that the selected candidate shall spend at least 1 year in the position.**