

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 correlated quantum systems, especially with exposure to research in the field of charge density wave and/or superconductivity is highly desirable.

Demonstrable experience with numerical developments for solving research problems in the broad area of condensed matter physics will receive preferences.

Applications including a CV/resume, a list of publications, a brief description (within one page) 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.

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.

Those who have submitted their PhD thesis and are awaiting award of the degree are eligible to apply. However, such candidates, if selected, can start the position after successful thesis defense, upon producing at least a provisional certificate of the defense.

The last date for receiving applications is 15 January, 2025.

For further enquiry about the project, please contact: ghosal@iiserkol.ac.in.

Position: Research Associate

Fellowship: As per DST norms, see:

https://dst.gov.in/sites/default/files/1687843045_Revision_of_emoluments_OM.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: Initial appointment is for one year. It may be renewed until the end of the project duration, based on performance, 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 30 th January, 2025 which can be relaxed for certain reserved categories as per rules of Government of India.

Interview for shortlisted will take place pimrily online using Google Meet platform, though physical interview may also be considered for local candidates.