

Advertisement for Postdoctoral and Research Scientist Fellowships in the Department of Chemical Sciences, IISER Kolkata

Applications are invited from highly qualified young scientists for postdoctoral and Research Scientist positions in the following research groups of Department of Chemical Sciences (DCS), IISER Kolkata. These positions, funded by Institute fellowships, will be awarded initially for a period of one year, and may be extended for one more year based on satisfactory research progress. The Fellowships (IPF) are full-time and contractual; the Fellowships do not imply any commitment regarding any other position at IISER Kolkata.

Suitable candidates must have a PhD degree in Chemistry or an allied interdisciplinary field. We especially encourage applicants whose research interests have a considerable overlap with the research areas of the faculty members. Detailed DCS faculty profiles are available at the IISER Kolkata (<http://www.iiserkol.ac.in/people/faculty>) and DCS websites (<http://chem.iiserkol.ac.in/>).

Eligibility Criteria and Fellowship amount

Name of the position	Qualification and Experience	Fellowship (pm, Rs) (+ HRA)
1. Postdoctoral Fellowship	Submitted PhD Thesis/ PhD	40,000/-
2. Research Scientist	PhD + 2 years Research/ Teaching experience after PhD	45,000/-
3. Senior Research Scientist	PhD 4 years Research/ Teaching experience after PhD, preferably demonstrating experience of external funding	50,000/-

The contingency grant of Rs. 80,000/- per year for Postdoctoral Fellow, Rs. 90,000/- per year for Research Scientist and Rs.100,000/- per year for Senior Research Scientist will be provided for research purposes and attending conference/workshops.

Deadline of applications: Applications are invited throughout the year, and will be processed after 14 days from the date of web advertisement and *as and when sufficient suitable applications available* based on vacancy in the particular research group.

Interested candidates are requested to send their applications, directly to the concern faculty member, along with (a) Curriculum Vitae containing personal bio-data, degrees earned with dates, and list of publications, (b) Research Proposal (maximum 2000 words + schemes/figures) and (c) Synopsis of the Ph.D. work.

Candidates are required to ask at least 2 referees to submit confidential letters of recommendation in support of their application by email directly to the concern faculty member. Shortlisted candidates may be called for an interview/presentation.

List of faculty members seeking Postdoctoral and Research Scientist Fellow

Name of faculty member	Research Areas	Desirable
1. Dr. C. Mall Reddy Advt. Date: 30/05/2014 Email: cmreddy@iiserkol.ac.in	Organic Chemistry, Supramolecular Chemistry, Crystal Engineering	The applicant should have expertise in organic synthesis with an interest to learn supramolecular chemistry and crystal engineering. The fellow will work on the design and synthesis of functional organic materials, for example solid-state mechanochromic luminescent materials.
2. Dr. Swadhin Mandal Advt. Date: 30/05/2014 Email: swadhin.mandal@iiserkol.ac.in	Organometallic catalysis, Nanocatalysis, N-heterocyclic carbene chemistry.	
3. Dr. Arindam Mukherjee Advt. Date: 30/05/2014 Email: a.mukherjee@iiserkol.ac.in	Microbiology; Cancer cells; Metal complexes; Organic syntheses; Anticancer agents; Various cancer relevant assays; Western blot; Gene transfection in cancer cells; Single crystal XRD	The applicant should have expertise in microbiology relevant to the research areas 'or' The candidate should have expertise in organic and inorganic syntheses, single crystal XRD, electrochemistry and operation of general laboratory equipments
4. Dr. Ashwani Tiwari Advt. Date: 30/05/2014 Email: ashwani@iiserkol.ac.in	Theoretical Chemistry, Reaction Dynamics	
5. Dr. Sanjio S. Zade Advt. Date: 30/05/2014 Email: sanjiozade@iiserkol.ac.in	Synthesis of π -conjugated systems/polymers, Solar cell devices, Metalloorganic compounds, DFT calculations	The applicant should have expertise in organic/organometallic synthesis. This project mainly contains synthesis of conjugated molecules and polymers, study of their photophysical and electrochemical properties, and application in solar cell devices.
6. Dr. Soumyajit Roy Advt. Date: 30/05/2014 Email: s.roy@iiserkol.ac.in	soft-oxometalates, polyoxometalates, colloids and interfaces, heterogeneous	

	catalysis	
7. Dr. Prasun Mandal Advt. Date: 30/05/2014 Email: prasunchem@iiserkol.ac.in	Molecule Spectroscopy, Microscopy and Ultrafast Fluorescence Dynamics of Chemical, Biological and Material systems	
8. Pradip Kumar Ghorai Advt. Date: 30/05/2014 Email: pradip@iiserkol.ac.in	Theoretical Chemistry/Molecular Simulation	PhD in Physics or Chemistry with experiences in writing programming language.
8. Dr. Sayan Bhattacharyya Advt. Date: 24/06/2014 Email: sayanb@iiserkol.ac.in	Materials Chemistry and Nanotechnology	The applicant should have experience in chemical synthesis of nanomaterials and the characterization techniques. Experience in heterogeneous catalysis is desirable. The applicant need to have a decent number of publications in reputed international journals and independent research aptitude. This position requires a commitment of at least one year.
9. Dr. Raja Shunmugam Advt. Date: 24/06/2014 Email: sraja@iiserkol.ac.in	Synthetic Macromolecules, Drug Carriers, Self-assembling Nanomaterials, and Sensors	
10. Dr. Debasis Koley Advt. Date: 07/07/2014 Email: koley@iiserkol.ac.in	Computational Chemistry, Computational Modeling of Homogeneous Catalysis with an aim to develop new and improved catalysts, Quantum mechanical computation of Organometallic and Organic molecules, Computational biophysics: Including molecular dynamics and molecular docking simulations.	