

Applications are invited for **Institute Post-Doctoral Fellows** in the **Center for Nanosciences at Indian Institute of Technology Kanpur**.

Job specifications: Research in the ongoing themes of the center with an interdisciplinary group of faculty members covering nanofabrication (self-assembly, top-down) and its applications in following area:

(A) Energy: Solar cells, micro batteries, fuel cells, Supercapacitors

(B) Health care: Bio-nanomaterials and devices, drug delivery, cell tissue scaffolds and development of nano-bio platforms for the early detection of diseases.

(C) Environment: Nanomaterials and platforms for air, water and industrial pollutant remediation.

Emphasis is on soft matter and soft routes of nanofabrication such as soft lithography, electrospinning, etc and a variety of functional nanomaterials and interfaces. For further details on the center and ongoing research one can check: <http://www.iitk.ac.in/nanoscience/>

Minimum Qualification: Ph.D. in Physics/Chemistry/Biology/any discipline in Engineering with background in nanoscience/nanotechnology. Candidate should have good publication track-record in any of the above mentioned themes.

Desired Qualification: Candidates should have proven experience in nanomaterial synthesis and characterization using experimental tools such as SEM/HRTEM, AFM, and XRD, micro-nanofabrication using conventional or non-conventional methods (lithography using beams, ions and pattern transfer).

Salary Range: Fellowship amount will be 60,000- per month for the first year, 65,000- per month for the second year and 70,000- per month for the third year.

Contingency amount: 1,00,000- per year for travel, research publications, analysis of samples, purchase of books not available in library and contingency etc. approved by HoD & DORD. This shall be paid from the Institute account.

Tenure: Each appointment will be made initially for one year and it may be extended subject to satisfactory performance. Under no circumstances the fellowship duration can exceed three years.

Accommodation: Postdoctoral Fellows may be provided accommodation as per availability either in student's hostel or in R.A. hostel. The charges will be applicable as per the PG student's hostel norms / R.A. hostel norms of DORO. In case accommodation cannot be provided within the campus, HRA may be paid @ 16% of the fellowship amount for off-campus housing.

The institute reserves the right to fix suitable criteria for short listing of eligible candidates satisfying qualification and experience. Only shortlisted candidates may be called for an interview.

Application Deadline and Postal Address:

Interested candidates can send soft copy of the application with complete CV (Specialization, list of publication list and proposed research plan) and relevant details before **October 31, 2019** to the email: prashan@iitk.ac.in mentioning "**Application for Institute Post doc**" in the subject line. For any further information related to the job responsibilities/ description one can

Contact: prabhatd@iitk.ac.in or manishm@iitk.ac.in