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 nono-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/](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