

Postdoctoral Fellowship Programme in the Department of Physical Sciences

Number of postdoctoral positions available: 16

Fields of research in which applications are sought:

DSSC1: Astrophysics, Gravitation and Cosmology

DSSC2: Biophysics, Complex Systems, Non-Linear Dynamics and Statistical Physics

DSSC3: Condensed Matter Theory

DSSC4: Condensed Matter Experiments

DSSC5: Optics, Spectroscopy and Molecular Dynamics

DSSC6: Particle Physics and High Energy Physics

DSSC7: Quantum Information Theory and Technology

DSSC8: Astronomical Space Sciences (Center of Excellence in Space Sciences India)

DSSC9: High Pressure Physics (National Centre for High Pressure Studies)

DSSC10: Other Allied Fields or Interdisciplinary Fields

Application Deadline: 31 August, 2021

Applications are invited from Indian and Foreign nationals for postdoctoral fellowships at the Department of Physical Sciences (DPS) IISER Kolkata and its allied Centres – the Center of Excellence in Space Sciences India (CESSI) and the National Centre for High Pressure Physics (NCHPS). Suitable candidates with a PhD degree in Physics, Astronomy or allied disciplines may apply. We welcome applicants whose research interests have overlap with those of our faculty members. However, outstanding candidates in any discipline would be considered. Applications from marginalized and under-represented groups are encouraged.

Major topics of research pursued at DPS include Astrophysics and Space Sciences, Biophysics, Complex Systems and Statistical Physics, Condensed Matter Physics, Gravitation and Cosmology, High Pressure Physics, Mathematical Physics, Molecular Dynamics, Non-linear Dynamics, Optics and Spectroscopy, Particle Physics and High Energy Physics, and Quantum Information Theory and Technologies. More information on the Department of Physical Sciences can be found here: <https://physics.iiserkol.ac.in/>. The Center of Excellence in Space Sciences India (CESSI) is a multi-institutional Centre of Excellence at IISER Kolkata established through seed funding from the Ministry of Education. CESSI aims to explore the Sun's activity, generate the understanding necessary for space weather forecasting and hunt for gravitational waves. CESSI is involved in the development of major national missions such as the LIGO India project and the Aditya-L1 space mission. More information on the Centre can be found here: <https://cessi.iiserkol.ac.in/>. The National Centre for High Pressure Studies (NCHPS) at IISER Kolkata was setup with seed funding from the Ministry of Earth Sciences and fosters interdisciplinary and collaborative research in the field of Natural Sciences, Materials Sciences and Geosciences. More information about the Centre can be found here: <https://www.iiserkol.ac.in/~nchps/>.

The Postdoctoral Fellowships are governed by current guidelines of the Institute, details of which including eligibility, salary and allied benefits are available here: <https://apply.iiserkol.ac.in/pdf/>

Application Deadline: 31 August 2021

Screening of candidates in Physics for first round of selections will begin after the deadline. Short-listed candidates will be notified and would need to give a presentation followed by a selection interview. Short-listing and final selection is at the discretion of the selection committees.

Candidates are requested to familiarize themselves with available faculty expertise or research groups pertaining to their field of interest. During the application process, the candidates would be required to select a sub-discipline from the list provided as well as indicate choices for primary and secondary supervisors.

The application package should be submitted following instructions on the website and must include the following details.

- a) Research discipline of interest from among the available list
- b) Choice of primary (and secondary) supervisor(s)
- c) Curriculum Vitae
- d) List of Publications
- e) Statement of Research/Interest limited to 2 pages
- f) Names and contact details of at least two professional referees
- g) Age Proof Certificate
- h) Qualification Certificates (Bachelor degree on wards)
- i) Category Certificate (in case of Age Relaxation)

Informal enquiries may be emailed directly to a faculty or a group with relevant expertise.

Applications and recommendation letters are to be sent to the following email:
dps.pdf@iiserkol.ac.in