

SNBNCBS-IISER K JOINT PHD PROGRAMME

In an effort to foster interdisciplinary research and cooperation between S.N.Bose National Centre for Basic Sciences (SNBNCBS) and Indian Institute of Science, Education and Research Kolkata (IISER K), a joint PhD programme in the general area of Physical and Chemical Sciences will be conducted. Applications are invited from motivated students for admission to this programme. The selected candidates can do Ph.D. in any of the following topics under the joint supervision of faculty from SNBNCBS and IISER K:

- Materials under extreme condition of temperature and pressure – A combined theory-experiment study.
- Computational Study of Earth Materials.
- Nonequilibrium dynamics
- Spintronics in Topological Materials
- Statistical mechanics: phase behaviour and dynamics in complex systems
- 2D Topological matter
- Quantum many body effect
- Electronic structure of strongly correlated systems
- Physical Chemistry aspects of polymers
- Theoretical Chemistry
- Quantum Information and Computation
- Quantum Cosmology
- Role of solvents in crystallisation

Basic qualification: Masters in Science/Technology with First Class/Division i.e., minimum 60% (55% for SC/ST/OBC (non-creamy layer)/EWS/Differently abled candidates) in any branch of basic sciences (Physics, Chemistry, Applied Mathematics, Biology, Earth Science etc.).

NET– CSIR-NET-JRF (Dec 2018 onwards) and UGC-NET-JRF (Dec 2017 onwards)

OR

INSPIRE – PROVISIONALLY SELECTED and Award Letter to be valid upto 31.3.2021.

[The INSPIRE applicants preferably should have National Level Eligibility Test qualification like JEST or GATE. They would also need to sign an undertaking at the time of their admission.]

Application must be submitted through online portal,

<https://admission.bose.res.in/>

**The PhD degree will be awarded by IISER K in collaboration with SNBNCBS and the admitted student need to follow the semester/tuition fee structure of IISER K (follow <https://www.iiserkol.ac.in/web/en/student-affair/fee-structure/#gsc.tab=0> for guidance on tuition fee). The students may have to stay or travel to both the institutes to carry out their research and Ph.D. course work.*