



SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES
Block-JD, Sector-III, Salt Lake, Kolkata 700098

SPECIAL RECRUITMENT DRIVE FOR PERSONS WITH DISABILITIES

SNB/60.4/15-16/042

25/02/2016

Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), JD Block, Sector – III, Salt Lake, Kolkata – 700098 (established in 1986 with a 15 acre green campus) is an autonomous institution under the Department of Science and Technology, Government of India. The Centre runs post M. Sc. and an Integrated Ph. D. Research programmes.

SNBNCBS invites applications from the Indian Nationals exclusively from Persons with Disability (PWD) (Category: HH) for one post of “**Faculty Fellow**” in the scale of pay of Rs. 15,600 – 39,100 with grade pay of Rs. 6,600 (PB-3) in any of the following Departments: (i) Astrophysics and Cosmology (DAC); (ii) Chemical Biological and Macro-Molecular Sciences (DCBMS); (iii) Condensed Matter Physics and Material Sciences (DCMPMS) and (iv) Theoretical Sciences (DTS).

The pay carries all other allowances as admissible to a Central Government employee stationed at Kolkata. The other benefits, such as book grants, research initiation grant, financial support towards national and international conferences etc. shall be permitted as per the Centre's norms.

All departments participate in the research and teaching activities. A faculty member is expected to execute his / her own science research programs, secure extramural research funding, supervise students in the Ph. D. level and mentoring in the post-doctoral level as well as take part in teaching the students on a regular basis.

The applicants are expected to have some overlap with one or more areas of research mentioned below. However applicants with other research interests preferably in interdisciplinary areas may also to apply.

A. Current Research areas in different departments

(i) **DAC:** Astrophysics and Cosmology: Theory and experiments; Analysis of X-ray Data of Past, Present and Future Satellites and comparison with theoretical models; Cosmology; dark matter; dark energy; large scale structure; cosmic microwave background; Quantum Information Science: theory & experiment; Observational Astronomy in Optical and Near-IR wavelengths - handling of large imaging and spectroscopic data sets, data pipeline work, observing with medium/large telescopes, and knowledge of Astronomical Instruments.

(ii) **DCBMS:** Soft materials, statics and dynamics of macromolecules in solution, chemical kinetics, structure and dynamics of biologically important molecules. Ultrafast (fluorescence), high frequency and ring down spectroscopy. The theoretical studies involve applications of equilibrium and non-equilibrium statistical mechanics, investigations of biology-inspired physics and quantum chemical calculations.

(iii) **DCMPMS:** Experimental Condensed Matter Physics, Theoretical and Computational Condensed Matter Physics, Nanoscience and Technology and Physics at Low-dimension, Strongly Correlated Electron Systems, Low Temperature Quantum Phenomena, Spintronics and Spin Dynamics, Photonics, Ultrafast Phenomena.

(iv) **DTS:** Statistical Physics of Complex Systems, Systems in and out of Equilibrium, High Energy Physics and Quantum Field Theory, General Relativity, Gravity and Cosmology, Mathematics and Mathematical Physics, Quantum Optics and Quantum Information, , Non-linear Dynamics, Quantum Field Theory-Condensed Matter Physics Interface.

B. Qualification required

Minimum Qualification: Ph. D. with first class or equivalent (in terms of grades, etc.) at the preceding degree in the appropriate branch, with a very good academic record throughout. The candidate is expected to carry out independent research and guide Ph. D. students. He / she is expected to publish high quality research papers in peer -reviewed journals.

Age: 35 Years. (Relaxation in age will be applicable as per GOI norms)

Experience: Minimum 2 years research experience after Ph.D.

D. Application

Application complete in all respect with attested photocopies of all relevant supporting documents should be sent to: **The Registrar, Satyendra Nath Bose National Centre for Basic Sciences, Block-JD, Sector-III, Salt Lake, Kolkata 700098.** The last date for receipt of the applications complete in all respect is 21 days from the date of publication of the advertisement.

E. General Terms and Conditions

- Mere fulfilling of the minimum requirements does not necessarily make an applicant eligible to be called for interview.
- The age and experience can be relaxed by the Selection Committee for exceptional candidates with brilliant academic record and outstanding research profile.
- Reservations rules will be applicable as per Government of India norms.

F. Additional Information

1. Applicants are not expected to mention any department's name while sending the application. Once selected, a mutual concurrence of the applicant and the Centre would determine which department the applicant is going to join.
2. All annexure and the application form must bear full name and signature of the applicant on each page at the bottom.
3. Applicants who are employed in Government, Semi-Government Organizations or Institutions should send their applications **THROUGH PROPER CHANNEL** else they will be required to produce a **NO OBJECTION CERTIFICATE** from their employer at the time of interview.

Registrar

Abridged version of the above advertisement published in the following newspapers on 25th February, 2016-02-25

1. **TIMES OF INDIA : Kolkata, New Delhi, Mumbai, Chennai, Bangalore, Hyderabad (Pune editons**
2. **The Telegraph : Kolkata**
3. **Anandabazar Patrika : Kolkata**
4. **Sanmarg (Hindi) : Kolkata**

The abridged version is also tentatively scheduled for publication in "EMPLOYMENT NEWS" on 5th March, 2016