

Saha Institute of Nuclear Physics

(An Autonomous Research Institute under the Dept. of Atomic Energy, Govt. of India),
Sector-1, Block – AF, Bidhannagar, Kolkata – 700 064.

Applications are invited from eligible Indian Nationals for filling up the posts of Associate Professor-E for the following Divisions of this Institute in the pay band of Rs.15600-39100/- + grade pay of Rs. 7600/- (PB-3). D.A., H.R.A etc. as admissible to Central Govt. employees under the rules in force from time to time will be admissible.

1. **Biophysics & Structural Genomics Division- 2 Posts**
2. **Computational Science Division- 2 Posts**
3. **Crystallography & Molecular Biology Division- 1 Post**
4. **Condensed Matter Physics Division – 1 post**
5. **Nuclear Physics Division – 1 post**

Essential qualifications for all the above posts:

Candidates with Ph.D. degree with at least two years of post-doctoral experience with some recognition amongst scientists in his/her area of specialization by the merit or his/her publications.

The candidate should have proven ability of guiding research of junior workers, ability to communicate and interact with other scientists, and flexibility of outlook and attitude to take independent charge of assigned sub areas belonging to a major project or broad area of research of the Institute.

Experience in the related field and desirable qualifications (DQ):

For Biophysics & Structural Genomics Division:

For the field of Systems and/or Synthetic Biology (1 post) :

Commendable publication records with an approach to gene-centered questions of multicellular organisms from a complex system perspective. Preferably experienced in: stem cell or mammalian cell engineering, in vitro synthetic biology, metabolic engineering and cell-cell communications.

For the field of Mass spectrometry based Proteomics research (1 post):

Ph.D. training in biochemistry/biophysics, with postdoctoral experience in handling LC-MS/MS, and/or MALDI TOF-TOF MS/MS and other analytical instruments as applied to characterization of human disease samples, including, but not limited to, proteins and carbohydrates, as demonstrated by commendable publication record.

For Computational Science Division: At least three years of post-doctoral experience and expertise in any of the following areas of Physics, Chemistry and Biology using computational techniques: i) Quantum computation, ii) Bioinformatics, iii) Polymer or Biomolecular simulations, iv) Computational Chemistry, v) Computational Materials Science or any related areas, vi) Transport properties.

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For Crystallography & Molecular Biology Division: Experience in working with membrane proteins using different biophysical techniques and a commendable list of publications in peer-reviewed journals.

For Condensed Matter Physics Division: Proven research experience as evident from the publications in reputed journals in at least one of the following areas of research: (a) Theoretical studies of structural and dynamical properties of soft amorphous materials; (b) Theory of strongly correlated electronic systems.

For Nuclear Physics Division: Experience in the field of development of facilities related to accelerator- based low energy nuclear physics research (The major responsibility of the selected candidate will be to take independent charge of the upcoming accelerator facility for low energy nuclear astrophysics research in the Institute, and therefore should have experience of working with accelerators, and have past experience in the setting up of beam-lines and working with Recoil Mass Separators.

Age : Preferably below 40 years.

NOTE The crucial date for determining the age limit shall be the last date of receiving the application i.e 10.02.2014. The qualification etc. will also be reckoned on the same date.

General Information –

(i) Applicants working in Govt./Semi Govt./Public Sector Undertaking should apply through proper channel, with a certificate of Vigilance Clearance.

(ii) Attested copies of documents in respect of qualification, experience of the candidate must be submitted.

(iii) The prescribed qualification is minimum and mere fulfilling the essential and desirable qualification will not entitle an applicant to be called for **interview**. The Institute reserves the right to restrict the number of candidates for **interview** to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.

(iv) No correspondence will be entertained with candidates not selected for interview or appointment.

(v) Candidates appointed will be governed by the New Contributory Pension Scheme being formulated.

(vi) Special qualifications/merit/experience of a candidate may be recognized by giving some initial increments at the discretion of the Appointing Authority, for which explicit recommendations may be made by the Selection Committee.

(vii) THE INSTITUTE RESERVES THE RIGHT TO FILL UP OR NOT FILL UP THE POST(S).

viii) The applications received in response to this advertisement will be considered along with the applications received in response to the Rolling Advertisement published during June 2012 in the Institute website and some other national/ international journals/newspapers. However, the candidates who had applied in response to the abovementioned rolling advertisement will have to apply with updated Curriculum Vitae against this advertisement.

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Application should be made by sending three copies of the Curriculum Vitae (in the prescribed proforma available in the website) with a list of publications, cumulative important reprints, impact factors citation, research plan for future work, to **the Establishment Officer, Saha Institute of Nuclear Physics , 1/ AF, Bidhannagar, Kolkata-700 064** within **10.02.2014**. The candidates are requested to arrange for letters of recommendations of **at least three referees** (in sealed envelope appropriately marked confidential) which may either accompany the application or may be sent directly to **the Establishment Officer, Saha Institute of Nuclear Physics , 1/ AF, Bidhannagar, Kolkata-700 064** within **10.02.2014**. The names and addresses (including e-mail) of these referees should be mentioned in the CV. Outer cover of the application should be marked as 'application for the post of Associate Professor-E for Division' as the case may be. Application may also be sent by e-mail to the Establishment Officer at estt.officer@saha.ac.in. This will be treated as advance application. However, duly signed hard copy of the application will also have to be sent as per the advertisement within the specific time, i.e. **10.02.2014, failing which the application will be liable for rejection**. The recommendations of the referees may also be sent by email to the Establishment Officer, SINP, Kolkata at estt.officer@saha.ac.in

This advertisement is also available in the Institute Home Page <http://www.saha.ac.in>.

No. SINP/Estt/Advt./13/2013
Date: 09.12.2013

(Prof. Nitai Pada Bhattacharyya)
Professor-in-Charge, Registrar's Office
