



SAHA INSTITUTE OF NUCLEAR PHYSICS

(Autonomous Research Institute under Department of Atomic Energy, Govt. of India)

Sector-I, Block – ‘AF’, Bidhan Nagar, Kolkata- 700064

Phone: 2337-5345-49 (5lines), Fax: 0091-33-2337-4637

[ADVERTISEMENT FOR THE POSITION OF RESEARCH ASSOCIATES]

Saha Institute of Nuclear Physics, an autonomous institute under the auspices of the Dept. of Atomic Energy, GoI, invites applications on e-mail from candidates for temporary positions of Research Associates (RAs) in the various Divisions of the Institute.

No. of Positions: 6 (Six)

Essential Qualification: Ph.D in Physical and Biophysical sciences.

| Sl. No. | Name of Division | No. of Position | Desirable Qualification |
|---------|---|-----------------|---|
| 1 | Group-A Biophysical Sciences Group | 2 | Fresh PhD with working experience in one or more of the following areas: Structure and Function of Biological macromolecules, Cell and Molecular Biology, Theoretical Chemistry/Biology, Molecular Dynamics Simulation. |
| 2 | Group-B Atomic, Nuclear and High Energy Physics Group | 1 | Candidates with Ph.D degree in the field of Atomic, Nuclear, Laser, Astro-particle and High Energy Physics. Preference will be given to the candidates with experience in instrumentation and accelerator-based research. |
| 3 | Group-D Surface Physics & Material Science Division/ INDUS Beamline/ Condensed Matter Physics Division | 3 | <u>For SPMS Division (1) :</u> The postdoctoral research associate is expected to develop new nanoscale system based on 1D and 2D materials with a goal of the research to unveil novel transport and optical properties of thin-films and interfaces of soft matter and semiconducting heterostructures. A strong experimental background in the area of X-ray scattering, electron and scanning probe microscopy, spectroscopy, electronic and magnetic transport measurements, and any one or more of growth technique like, MBE and MOVPE is desirable. |

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| | | | <p><u>For INDUS Beamline (1) :</u> The candidate should have experience on x-ray scattering experience in the subject areas of diffraction from powders / nanomaterials at different sample environment, x-ray reflectivity and diffuse scattering from thin films and multilayers. Experience in x-ray synchrotron beamline for the above-mentioned techniques will be preferable. The postdoc should be able to give users support for experiments at the SINP beamline, Indus-2, RRCAT.</p> <p>The candidate is also expected to work independently and conduct research in the highly interdisciplinary environment of physicists and materials scientists.</p> <p><u>For CMP Division (1) :</u> Synthesis and physical property studies of magnetic / energy materials.</p> |
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Age: Maximum 35 years as on last date of receiving the application.

Tenure: The initial tenure of the selected RA will be (01) one year. After completion of the 1st year, the Institute, upon review of the academic performance, may consider extension for another year. In exceptional cases, the Institute may review academic performance and consider extension for another year, i.e. for the 3rd year. There will be no extension beyond the 3rd year.

Associateship:

- (a) Rs. 47, 000/- PM for RA-1+HRA
- (b) Rs. 49,000/- PM for RA-2+HRA

The Post Doctoral Fellows/RA may be fixed at one of the pay levels depending on qualifications and experience. The level at which a fellow will be placed will be decided by the interview committee/selection committee.

In addition the other admissible benefits are applicable.

Procedure for Applying: Interested and eligible candidates should apply by email only to vacancy.ra@saha.ac.in with the subject matter 'APPLICATION FOR THE POSITION OF RA-2022'.

A copy of the same is to be forwarded to the choice of division as per list.

| Sl. No. | Division | e-mail ID |
|---------|---|---------------------|
| 1 | Group-A Biophysical Sciences Group | cmb.ra@saha.ac.in |
| 2 | Group-B Atomic, Nuclear and High Energy Group | henpp.ra@saha.ac.in |
| 3 | Group-D Surface Physics & Material Science Division/INDUS Beamline Condensed Matter Physics Division | cmstp.ra@saha.ac.in |

The following details are to be appended in the application:-

- (a) Complete Bio-data Proforma with e-mail ID/ Phone No.
- (b) Details of qualification i.e. Examination passed, year, division, and percentage of marks from Graduation onwards
- (c) Details of Publications
- (d) Details of Conferences/workshops attended
- (e) Please ensure that at least 2 (two) letters of recommendations are sent by the referees by email to SINP before the last date of application
- (f) Ph.D/Provisional Degree certificate
- (g) Proof of Date of Birth

All applications are to be received on or before August 12, 2022.

Please keep track of details/amendments on the website

Advt. No. SINP/Estt/Advt/11/2022

Professor-in-Charge, Registrar's Office

BIO-DATA PROFORMA



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BIODATA PROFORMA FOR RESEARCH ASSOCIATES - 2022

1. Name of Candidate (In Block Letters)
2. Parent/Spouse Name
3. Date of birth and age on 12.08.2022
4. Permanent Address
5. Address for correspondence
6. Contact numbers (landline / mobile)
7. Email
8. Educational Qualifications (In chronological order) (Starting from Graduation onwards including additional deg/ Diplomas)

RECENT
PHOTOGRAPH

| <u>S. No</u> | <u>Class/ Degree</u> | <u>Name of Board/University</u> | <u>Year of passing</u> | <u>% Marks</u> | <u>Subjects Passed</u> |
|---------------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|
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9. Details of Experience, if any

(Particulars of all previous and present employment) (List for which proof is available)

- (a)
- (b)
- (c)

10. Are you an employee (not student/postdoc) elsewhere? *(If so details and proof with no objection certificate. Advance copy may be forwarded; the NOC may be submitted at the time of the interview)*

11. List of Publications

12. Conference/ Workshops attended

13. Names of Referees with contact details

(Please ensure that at least 2 (two) letters of recommendations are sent by the referees by email to SINP before the last date of application)

14. Name of Thesis supervisor and Thesis title

15. Status of Ph.D degree (Whether submitted or awarded, with dates)

16. Present Position (if any)

17. Research Plan, Summary & Outlook (Please use a separate sheet, max one A4 paper)

18. Choice of Division (in order of preference)

(a)

(b)

19. Any other relevant information relating to the position applied for:

Declaration

I do, hereby, declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief I understand and agree that in the event of any information being found false or incorrect/incomplete or ineligibility being detected at any time before or after selection/interview, my candidature is liable to be rejected.

(Signature of the Candidate)

Date: -----

Place: -----

*Enclose self attested copies of required documents only