



SAHA INSTITUTE OF NUCLEAR PHYSICS

(Autonomous Research Institute under Department of Atomic Energy, Govt. of India)
Sector-I, Block – ‘AF’, Bidhan Nagar, Kolkata- 700064
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[ADVERTISEMENT FOR THE POSITION OF RESEARCH ASSOCIATES]

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

No. of Positions: 13

Essential Qualification: Ph.D in Physical and Biophysical sciences or Scholars who have submitted Ph.D. thesis and are yet to receive their Ph.D degree (provisional or otherwise).

Sl. No.	Name of Division	No. of Position	Desirable Qualification
01	Chemical Sciences Division	2	Experience in Computational Chemistry involving kinetics/energetic dynamics. Experience in Lasers involved in Molecular Spectroscopy and Dynamics or Experimental biophysics.
02	Surface Physics & Material Science Division	1	The candidate should have proven experiences in the field of surface and interface studies of low dimensional materials. The research activities should be substantiated by good publications in reputed international journals. The candidate has to utilise the available Divisional facilities of growth and characterisation for studying the properties of low dimensional materials (in the micro and nano length scale). Candidate should enclose a consolidated research plan using various facilities of the Division. For details about facilities of the Division, candidates are advised to look into the webpage of the Division (http://www.saha.ac.in/web/spd-home).

Sl. No.	Name of Division	No. of Position	Desirable Qualification
03	Crystallography & Molecular Biology Division	1	Candidates with fresh PhD having working experience in different biological aspects of proteins.
04	Computational Science Division	1	Proven expertise on Computer Programming, Data Base or Optimization Techniques applicable in Biological Systems.
05	Applied Nuclear Physics Division	1	Experience in either of the following areas- 1) Experiments in dark matter search, neutrinoless double beta decay, neutrino physics with new generation gaseous ionization detectors. 2) Experiment and/or theory of electromagnetically induced phenomena in hot and cold atomic systems, quantum optics and laser spectroscopy. 3) Cognitive Neuroscience and knowledge of planning/programming/conducting experiments with human participants related to visual psychophysics.
06	High Energy Nuclear & Particle Physics Division	1	Candidates with Ph.D degree and research experience in the field of high energy nuclear and particle physics.
07	Astroparticle Physics Division	1	Candidates with research experience in theoretical/observational Astroparticle Physics and cosmology are encouraged to apply.
08	Condensed Matter physics Division	2	Candidates with excellent record in either theoretical or experimental condensed matter physics are encouraged to apply.
09	Nuclear Physics Division	1	The candidate should have experience in accelerator based low energy nuclear structure/reaction/astrophysics studies to participate fully in the installation, operation and developmental work related to the upcoming accelerator facility for Low Energy Nuclear Astrophysics studies (FRENA).

Sl. No.	Name of Division	No. of Position	Desirable Qualification
10	SINP Beamline	2	Material Science or related fields having experience in x-rays related material characterization will work in a capacity of Research Associate for a minimum period of one year for carrying out scientific responsibilities and to support users of the SINP Beamline. The candidate will be stationed at SINP Beamline at Indus-2 synchrotron radiation facility, RRCAT, Indore.

Age: Maximum 35 years as on last date of receiving the application.

Tenure: The tenure of Research Associates may be decided by the Institute as per overall sanctions available to them for this purpose. Such appointments will be for a period of two (02) years with the possibility of extension for one (01) more year.

Associateship:

- (a) Rs.32, 000/- PM, for scholars who have submitted Ph.D. thesis and are yet to receive their Ph.D degree (provisional or otherwise) +HRA
- (b) Rs. 36, 000/- PM for RA-1+HRA
- (c) Rs 38,000/- PM for RA-2+HRA

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-2018'.

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

Sl. No.	Division	e-mail ID
01	Chemical Sciences Division (CSD)	padmaja.mishra@saha.ac.in
02	Surface Physics & Material Science Division (SP&MS)	surface.office@saha.ac.in
03	Crystallography & Molecular Biology Division (C&MB)	cmb.ra@saha.ac.in
04	Computational Science Division (Computational	vacancy.cs@saha.ac.in

	Science)	
05	Applied Nuclear Physics Division (ANP)	vacancy.anpd@saha.ac.in
06	High Energy Nuclear & Particle Physics Division	henpp.ra@saha.ac.in
07	Astroparticle Physics Division	debades.bandyopadhyay@saha.ac.in
08	Condensed Matter Physics Division	vacancy.cmp@saha.ac.in
09	Nuclear Physics Division	vacancy.npd@saha.ac.in
10	SINP Beamline	beamline.sinp@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) Each application should include the details of three (03) referees with contact details including email.

All applications are to be received on or before 16th November, 2018.

Please keep track of details/amendments on the website

Advt. No. SINP/Estt/Advt/12/2018

Registrar