

बसु बिज्ञान मन्दिर  
**BOSE INSTITUTE**  
 (भारत सरकार के विज्ञान और प्रौद्योगिकी  
 मंत्रालय द्वारा वित्तपोषित सोसाइटी)  
 (A Society for Scientific Research financed by  
 the Ministry of Science & Technology, Govt. of India)

**ADVT. NO. BI/ INTRAMURAL PROJECT /03/2020-21**

A Walk-in-Interview will be held on **4<sup>th</sup> January, 2021** at **11:00 a.m.** at the **Unified Campus** of Bose Institute, Block-EN, Plot No. -80, Sector-V, Salt Lake City, Kolkata 700 091 for **four (04) positions of Project Associate-II** and **three (03) positions of Senior Project Associate** for different **intramural projects**. The positions are purely temporary and are not to be associated with any degree granting courses.

**Details of essential qualification, age & emoluments are as follows:**

S. N	Manpower Position	Essential Qualifications	Upper Age limit (years)	Monthly Emoluments (Rs.)
1	<b>Project Associate II</b>	(i) Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and  (ii) 02 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services	35	35,000/- + HRA
2	<b>Senior Project Associate</b>	(i) Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and  (ii) Four years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services  OR Doctoral Degree in Science / Engineering / Technology / Pharma / MD / MS from a recognized University or equivalent	40	42,000/- + HRA

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**INTRAMURAL PROJECTS :**

- A. **Project Associate-II (01 position)** for the project entitled “Biosensor development using microRNA-mRNA-TFs and pathways” under **Dr. Debjani Roy**, Department of Biophysics.

**Desirable Qualifications:** Hands on experience in cell culture, drug delivery and biochemical assays.

**Tenure : Initially for one(01) year and renewable upto thee(03) year subject to successful assessment.**

- B. **Project Associate-II (01 position)** for the project entitled “study of small molecule – DNA interactions using NMR spectroscopy” under **Prof. Gautam Basu**, Department of Biophysics.

**Desirable Qualifications:** Hands on experience of collecting and analyzing NMR spectra of nucleic acids.

**Tenure : The position is tenable upto 31.07.2021**

- C. **Project Associate-II (01 position)** for the project entitled “Comprehensive study of urban heat island condition (UHI), its response during heat wave conditions and interdependence on local climatic variability over Kolkata urban agglomeration using surface and satellite observations and numerical simulations using WRF coupled with Urban Canopy Model (UCP) ” under **Prof. Sanjay K. Ghosh**, Department of Physics.

**Desirable Qualifications:** experience in electronics circuit and sensors for atmospheric science measurement.

**Tenure : : Initially for one(01) year and renewable upto 31.12.2023 subject to successful assessment of every year.**

- D. **Project Associate-II (01 position)** for the project entitled “Functional characterization of Plasmodium falciparum Alba (PfAlba) family proteins with a view to develop new antimalarial drug target” under **Prof. Uday Bandopadhyay**, Division of Molecular Medicine.

**Desirable Qualifications:** Hands on experience in culturing malaria parasite (in vitro and in vivo), cloning over-expression and purification of proteins. Expertise in FPLC techniques, functional characterization of protein by Site Directed Mutagenesis, confocal Microscopy, antibody generation from Rabbit, Rat and Mice. **At-least 01(one) publication in the field of Plasmodium.**

**Tenure : Initially for one(01) year and renewable upto thee(03) year subject to successful assessment.**

- E. **Senior Project Associate (01 position)** for the project entitled “Proline-mediated structural and dynamic effects on folded and unfolded proteins” under **Prof. Gautam Basu**, Department of Biophysics.

**Desirable Qualifications:** NMR and Structural Biology.

**Tenure :** The position is tenable upto **31.07.2021**

- F. **Senior Project Associate (01 position)** for the project entitled “Comprehensive study of urban heat island condition (UHI), its response during heat wave conditions and interdependence on local climatic variability over Kolkata urban agglomeration using surface and satellite observations and numerical simulations using WRF coupled with Urban Canopy Model (UCP) ” under **Prof. Sanjay K. Ghosh**, Department of Physics.

**Desirable Qualifications:** experience with atmospheric data analysis along with WRF model.

**Tenure : :** Initially for one(01) year and renewable upto **31.12.2023** subject to successful assessment of every year.

- G. **Senior Project Associate (01 position)** for the project entitled “Functional characterization of Plasmodium falciparum Alba (PfAlba) family proteins with a view to develop new antimalarial drug target” under **Prof. Uday Bandopadhyay**, Division of Molecular Medicine.

**Desirable Qualifications:** Hands on experience in culturing malaria parasite (in vitro and in vivo), cloning over-expression and purification of proteins. Expertise in FPLC techniques, functional characterization of protein by Site Directed Mutagenesis, confocal Microscopy, antibody generation from Rabbit, Rat and Mice. **At-least 01(one) publication in the field of Plasmodium.**

**Tenure :** Initially for one(01) year and renewable upto thee(03) year subject to successful assessment.

Eligible and interested candidates may appear before the Selection Committee with a typed application addressed to the **Registrar(Officiating), Bose Institute, Block-EN, Plot No. - 80, Sector-V, Salt Lake City, Kolkata 700 091** along with complete Bio-data giving details of qualification i.e. examination passed, year, division, percentage of marks from Secondary onwards and stating the area of research experience with self attested copies of Certificates, Mark-sheets. Candidates should also bring original mark-sheets, certificates, testimonials etc. at the time of interview. No TA/DA is admissible for appearing at the interview.

**REGISTRAR (OFFICIATING)**