



ब्रिक-ट्रांसलेशनल स्वास्थ्य विज्ञान
और प्रौद्योगिकी संस्थान



BRIC-Translational Health Science and Technology Institute

(An Institute of the Biotechnology Research and Innovation Council, Govt. of India)

NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurugram Expressway,

P.O. Box No. 04, Faridabad – 121001

RECRUITMENT NOTICE NO. : THS/RN/16/2024

Dated 7th May 2024

RECRUITMENT NOTIFICATION

- BRIC-Translational Health Science and Technology Institute (THSTI) is an Institute of the Biotechnology Research and Innovation Council, Department of Biotechnology, Ministry of Science & Technology, Govt. of India. The institute is an integral part of the interdisciplinary NCR Biotech Science Cluster located at Faridabad, and is designed as a dynamic, interactive organization with the mission to conduct innovative translational research and to develop research collaborations across disciplines and professions to translate concepts into products to improve human health.
- BRIC-THSTI has built several inter-institutional collaborations and connectivity with industry supported by well-trained teams of research and laboratory staff. THSTI has established various centres namely (a) Centre for Maternal and Child Health, (b) Centre for Viral Therapeutics and Vaccines (c) Centre for Tuberculosis Research (d) Centre for Microbial Research, (e) Centre for Immunobiology and Immunotherapy (f) Centre for Drug Discovery (g) Clinical Development Services Agency (h) Computational and Mathematical Biology Centre (i) Centre for Bio-design and Diagnostics. These centres are strengthened by many core facilities viz. Bioassay Laboratory, Biorepository, Biosafety Level -3 Lab, Data Management Centre, Immunology Core laboratory, Multi-OMICS facility, Experimental Animal Facility, Vaccine design and Development facility, School of Innovation in Biodesign etc that serve as huge resources for the research programmes of THSTI and also the National Capital Region Biotech Science Cluster and other academic and industrial partners.
- This recruitment is to fill up the vacancies of BRIC-THSTI under the following projects:

Educational Qualification and Experience required for the post:

S. No.	Name of the Post/ No. of Post / Max Monthly emoluments/ Age Limit	Minimum Qualifications & Experience	Desirable Qualification & Experience/Job Responsibilities
Project: Multi-epitope nanoparticle-based Broadly Protective Betacoronavirus Candidate Vaccine			
1.	Process Development Scientist	PhD degree in Life Sciences or equivalent from the recognized university with four years of post-	As a key leader, the selected candidates will have the responsibility of supervising all USP Process Transfer &

<p>One Rs. 1,50,000/- 40 years</p>	<p>qualification experience in Industry in protein or vaccine development. OR MSc degree in Life Sciences or equivalent from the recognized university with seven years of post-qualification experience in Industry in protein or vaccine development.</p>	<p>Sciences activities. In order to support the launch of new/novel products, process transfers, validation, and the advancement of process technologies,. You will be in charge of pilot scale campaign manufacturing, technical assistance and show initiative in handling process deviations and change controls.</p> <ul style="list-style-type: none"> ➤ Responsible for coordinating lab and technical efforts to facilitate fermentor scaling up, and process enhancements. ➤ Provide guidance and coordinates USP Process Transfer & Sciences SME activities incl. GMS lab operations & studies. Establish efficient workflows. ➤ Lead cross-functional project teams to enable process transfer, validation & process life cycle activities. ➤ Responsible for providing technical manufacturing support through process monitoring, technical issue resolution, and involvement in operations governance meetings. ➤ Oversee technical process inquiries, analyze the underlying causes, define suitable remedial actions, and verify their efficacy. Create and evaluate change controls. ➤ Write technical reports and protocols for ongoing process verification, regulatory submissions, investigations, and process performance qualification. ➤ To direct and carry out improvements in USP process
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			<p>technology, process robustness, and productivity efforts, trend and analyze process data.</p> <ul style="list-style-type: none"> ➤ Share the technical, campaign, and project status.
2.	<p>Senior Technical Assistant</p> <p>One</p> <p>Rs. 40,000/-</p> <p>35 years</p>	<p>Master's degree in Bioinformatics/ Biotechnology/ Computational Science/Pharma or equivalent with one year's post qualification experience in the relevant field.</p>	<p>The project involves the application of advanced molecular modeling techniques, protein-protein docking, virtual screening, and large scale molecular dynamics simulations.</p> <p>Desirable:</p> <p>Familiarity with Molecular Modeling, Molecular Dynamics Simulation and visualization packages. Coding or scripting experience will be preferable. Should have published four or more. research articles as first author in scopus indexed journals.</p>
<p>Project: Small molecules inhibitor of human IGRM as a broad anti-viral agent: a preclinical Study</p> <p>PI : Dr. Shailendra Asthana</p>			
3.	<p>Project Research Scientist-I</p> <p>One</p> <p>Rs. 56,000/- +HRA</p> <p>35 years</p>	<p>First Class Post Graduate Degree, including the integrated PG degree in Life Sciences/ Computational Biophysics/ Computational Chemistry or computer-aided drug designing or equivalent from a recognized university with substantial research experience and publications in the relevant field.</p> <p>OR</p> <p>Second Class Post Graduate Degree, including the integrated PG degree with PhD in Life Sciences/Computational Biophysics /Computational Chemistry or computer-aided drug designing or equivalent from a recognized university with substantial research experience and publications in the relevant field.</p>	<ul style="list-style-type: none"> • Responsible to support the drug discovery projects: <ul style="list-style-type: none"> ➤ Experience in conventional MD, Accelerated molecular dynamics (MD) simulation such as steered MD, Metadynamics and umbrella sampling etc. ➤ Computational chemistry, Free energy analysis ➤ Establishment of target specific chemical databases. ➤ Virtual Screening (docking, pharmacophore modeling) ➤ Structure- and ligand-based drug design. ➤ Structural analysis and interaction finger printing ➤ Understanding of chemistry and biological systems. ➤ Knowledge of different free energy methods such as MM-GBSA, MM-PBSA and LIE.

			<ul style="list-style-type: none"> ➤ Interact with other field experts in the project to establish the informational pipeline between experimental methodologies and computational-biophysics and -chemistry strategies.
<p>Project: Establishment of Centre for Advanced Research for Rapid Development of Host-directed broad Antivirals</p> <p>PI : Dr. Shailendra Asthana</p>			
4.	<p>Project Research Scientist-II</p> <p>One</p> <p>Rs. 67,000/- +HRA</p> <p>40 years</p>	<p>First Class Post Graduate Degree, including the integrated PG degrees in Life Sciences/ Computational Biophysics/ Computational Chemistry or computer-aided drug designing or equivalent from the recognized university with three years of post-qualification experience in the relevant field or PhD degree in Life Sciences from the recognized university.</p> <p>OR</p> <p>Second Class Post Graduate Degree, including the integrated PG degrees, with PhD in Life Sciences/ Computational Biophysics/ Computational Chemistry or computer-aided drug designing or equivalent from the recognized university and three years of post-qualification experience in the relevant field.</p>	<p>Maintenance of computational resources and infrastructure.</p> <ul style="list-style-type: none"> ➤ Experience in advanced HPC computing, accelerated MD simulations techniques like umbrella sampling, Metadynamics etc along with their post-processing analysis. knowledge of AI/ML along with scripting is preferable. ➤ Knowledge of different free energy methods such as MM-GBSA, MM-PBSA and LIE and its implementation in ligand parametrization. ➤ The research articles as first author in peer reviewed indexed journals are essential in the concern fields.
5.	<p>Project Research Scientist-I</p> <p>One</p> <p>Rs. 56,000/- +HRA</p> <p>35 years</p>	<p>First Class Post Graduate Degree, including the integrated PG degree in Life Sciences/ Computational Biophysics/ Computational Chemistry or computer-aided drug designing or equivalent from a recognized university with substantial research experience and publications in the relevant field.</p> <p>OR</p> <p>Second Class Post Graduate Degree, including the integrated PG degree with PhD in Life Sciences/Computational Biophysics /Computational Chemistry or computer-aided drug designing or</p>	<ul style="list-style-type: none"> • Maintenance of computational resources and infrastructure. • Responsible to support the drug discovery projects: <ul style="list-style-type: none"> ➤ Experience in conventional MD, Accelerated molecular dynamics (MD) simulation such as steered MD, Metadynamics and umbrella sampling etc. ➤ Computational chemistry, Free energy analysis ➤ Establishment of target specific chemical databases. ➤ Virtual Screening (docking, pharmacophore modeling)

		equivalent from a recognized university with substantial research experience and publications in the relevant field.	<ul style="list-style-type: none"> ➤ Structure- and ligand-based drug design. ➤ Structural analysis and interaction finger printing ➤ Understanding of chemistry and biological systems. ➤ Knowledge of different free energy methods such as MM-GBSA, MM-PBSA and LIE. ➤ Interact with other field experts in the project to establish the informational pipeline between experimental methodologies and computational-biophysics and -chemistry strategies.
Project : Platform for enhanced pathogen detection for meningitis and sepsis: Rapid, portable, and field-deployable diagnostics PI : Dr. Susmita Chaudhuri			
6.	Project Technical Support III One Rs. 35,560/- 35 years	Three years graduate degree in Life Sciences or equivalent with three years of post-qualification work experience in the relevant field. OR PG degree in Life Sciences or equivalent from the recognized university.	Seeking a candidate with experience in various bioanalytical techniques, including lateral flow assays, and familiarity with photolithography. The role involves developing paper-based platforms for electrochemical sensing and requires skills in basic molecular biology techniques such as gel electrophoresis and Western blotting. Experience with hybridoma technology is also desirable
<ul style="list-style-type: none"> ➤ Last date for receipt of online application : 23rd May 2024. ➤ The applications will be scrutinised/shortlisted and processed for further selection. 			

GENERAL TERMS & CONDITIONS:

- a) These are the short-term positions and extension will be granted subject to satisfactory performance of the incumbents and tenure of the project for which they are selected. Those appointed to these positions will not have any claim for regularization of their employment.
- b) All educational, professional and technical qualification should be from a recognized Board/University.
- c) The experience requirement specified above shall be the experience acquired after obtaining the minimum educational qualifications specified for the post.
- d) Closing date of online application will be the **CRUCIAL DATE** for determining eligibility with regard to age, essential qualification etc.

- e) The age limit, qualification, experience and other requirements may be relaxed at the discretion of the competent authority, in case of candidates who are otherwise suitable. In case candidates are not found suitable for the posts notified, they can be offered lower post / lower emoluments on the recommendation of the Selection Committee.
- f) Age and other relaxations for direct recruits and departmental candidates: 1. By five years for candidates belonging to SC/ST communities. 2. By three years for candidates belonging to OBC communities. 3. For Persons with Benchmark Disabilities (PwBD) falling under the following categories : (i) UR - ten years, ii) OBC - 13 years (iii) SC/ST - 15 4. Age is relaxable for Central Government servants up to five years in accordance with the instructions or orders issued by the Central Government, from time-to-time. 5. There is no upper age limit for the Institute employees who are treated as departmental candidates. 6. For Ex-servicemen upto the extent of service rendered in defence forces (Army, Navy & Air force) plus 3 years provided they have put in a minimum of 6 months attested service.
- g) All results/notifications will only be published on our website. Therefore, the candidates should essentially visit THSTI website, regularly.
- h) All communications will only be made through email.
- i) In case a large number of applications are received, screening will be done to limit the number of candidates to those possessing higher/relevant qualification and experience.
- j) The no. of vacancy indicated above may change subjected to the actual requirement at the time of Written test/skill test/interview.
- k) With regard to any provisions not covered in this notification, the bye laws of THSTI / Govt. of India rules / guidelines shall prevail.
- l) Canvassing wrong information in any form will be a disqualification

HOW TO APPLY:

1. **Documents to be kept handy before filling up the online application:** (all the documents except (i) should be in pdf format):
 - i) A soft copy of your passport size photo and signature. (jpeg/jpg/png format)
 - ii) A comprehensive CV containing details of qualification, positions held, professional experience / distinctions etc.
 - iii) Matriculation certificate (equivalent to 10th Standard) / Mark sheet
 - iv) Intermediate certificate (equivalent to 12th Standard) / Mark sheet
 - v) Graduation/Diploma degree certificate / Mark sheet
 - vi) Post-Graduation degree certificate & Mark sheet (if applicable)
 - vii) PhD degree/certificate (if applicable)
 - viii) Relevant experience certificates (if applicable)
 - ix) Caste / Disability certificate in the format prescribed by the Govt. of India, if applicable
2. **Procedure for filling up online application:**
 - i) The eligible and interested candidates may apply online at the Institute's website. Applications through any other mode will not be accepted.
 - ii) The following will be the step wise procedure-

- A) Step 1 : Details of applicant
 B) Step 2 : Uploading of documents
 C) Step 3 : Payment of application fee
- The payment can be made by using Debit Card / Credit Card / Internet Banking / UPI.
 - Once payment is made, no correction / modification is possible
 - Candidates are requested to keep a copy of the provisional receipt for future reference.
 - Fee once paid shall not be refunded under any circumstances.
 - Details of fees to be paid are as shown below:

S. No	Applying on direct recruitment	Application fee amount
1.	Unreserved, OBC & EWS candidates	Rs 236/-
2.	SC/ST/Women/PwBD	Rs 118/-

D) Step 4 : Submission of application form

- iii) On successful submission of application, an auto-generated email containing the reference number will be sent to the email address provided. Please keep a note of the reference number for future correspondence.
- iv) Candidates are required to keep a printout of the online application form by using the print button on the dashboard for future reference.
- v) Candidates must ensure that he / she fulfils all the eligibility criteria as stipulated in the advertisement. If it is found that he / she does not fulfil the stipulated criteria during the recruitment process, the candidature of the candidate will be cancelled. If the same is noticed after the appointment, the candidate will be terminated following due process.
- vi) Incomplete applications shall be summarily rejected and no correspondence in this regard shall be entertained.
- vii) In case of difficulty in filling up the online form, please send e-mail to **personnel@thsti.res.in** along with the screenshot of the error displayed (if any).

“Government strives to have a work force which reflects gender balance and women candidates are encouraged to apply”

(M.V. Santo)
Head-Administration

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