

(An Autonomous Institute of the Department of Biotechnology, Govt. of India)  
NCR Biotech Science Cluster, 3<sup>rd</sup> Milestone, Faridabad – Gurugram Expressway, P.O. Box No. 04,  
 Faridabad - 121001

**RECRUITMENT NOTICE NO. : THS/RN/41/2022**

**Dated 9<sup>th</sup> December 2022**

**RECRUITMENT FOR SCIENTIFIC AND TECHNICAL POSITIONS**

1. Translational Health Science and Technology Institute (THSTI) is an autonomous Institute of the Department of Biotechnology, Ministry of Science and 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.
2. THSTI has built several inter-institutional collaborations and connectivity with industry supported by well-trained teams of research and laboratory staff. This foundation has helped pursuit of thematic research programmes which can be broadly categorized as, (a) Infectious diseases and Immunology (b) Maternal and child health, (c) Non communicable disease d) Multidisciplinary clinical and translational research. These are strengthened by the many core facilities viz. Small Animal Facility (which includes a Ferret facility), Data Management Center, Biorepository, Bioassay Laboratory, BSL-3 facility, Omics facility, Genome Sequencing facility, Computational and Mathematical Biology Center, 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.
3. This recruitment is to fill up the vacancies of THSTI under the following projects:

<b>Project Code</b>	<b>Project Name</b>
01	Translational Research Program (TRP)
02	Epidemic preparedness through rapid vaccine development: support of Indian vaccine development aligned with the global initiative of the Coalition for Epidemic Preparedness Innovations (CEPI)
03	Understanding gastrointestinal tract microbiome of neonates with or without sepsis (PI: Dr. Bhabatosh Das)

**Educational Qualification and Experience required for the post:**

<b>S. No.</b>	<b>Name of the Post/ No. of Post / Max Monthly emoluments/ Age Limit/ Project Code</b>	<b>Minimum Qualifications &amp; Experience</b>	<b>Desirable Skills &amp; Experience / Job Responsibilities</b>
1.	<p><b>Scientist D (Embryology &amp; Transgenics)</b></p> <p>One post</p> <p>Rs. 1,25,000/-</p> <p>45 years</p> <p>Project Code-02</p>	<p>M.V.Sc /PhD in Animal Biotechnology, Veterinary Microbiology or equivalent with basic degree of B.V.Sc. and Animal Husbandry from a recognized University with three years of relevant post qualification experience in rodent embryology, genome editing, embryo transfer technology and related molecular techniques.</p>	<p>The incumbent will be responsible for establishment and maintenance of rodent genome engineering laboratory. He/She will be responsible for establishment of all protocol required for executing cryopreservation, rederivation of frozen sperms &amp; embryos, pronuclear microinjection, gene editing of embryonic stem cells by using CRISPR-cas technology, injection of genetically modified embryonic stem cells inside the embryo (Morulla, Blastocysts), Embryo Transfer technology. The incumbent should be familiar with national and international standards/ requirements applicable for the specific pathogen free laboratory management.</p>
2.	<p><b>Research Scientist</b></p> <p>One post</p> <p>Rs. 1,00,000/-</p> <p>40 years</p> <p>Project Code-01</p>	<p>MD or M.Tech or equivalent or Ph.D or corresponding degree in any area of Life Sciences/ Medical Sciences from a recognized university with at least one year of post-qualification research experience in the relevant field.</p>	<p>Experience in:</p> <ul style="list-style-type: none"> <li>• Molecular biology techniques like DNA extraction, PCR, Cloning and sequencing.</li> <li>• Biochemical methods like ELISA, protein purification, western blotting would be preferred.</li> <li>• Expertise in recombinant protein purification, biochemical and/or biophysical assays and molecular biology are required.</li> <li>• Handling animals and microbiology techniques.</li> <li>• Tissue culture work, RNA work, RT-PCR, FACS etc.</li> </ul>

<p><b>3.</b></p>	<p><b>Research Scientist (MCH)</b></p> <p>One post</p> <p>Rs. 1,00,000/-</p> <p>40 years</p> <p>Project Code-01</p>	<p>MD or M.Tech or equivalent or Ph.D. or corresponding degree in any area of Medical Sciences/ Life Sciences/ Computer Science or equivalent from a recognized university with at least one year of post-qualification research experience in omics- based clinical research.</p>	<p>Experience in:</p> <ul style="list-style-type: none"> <li>• Utilization of metabolomics and lipidomics approaches in the area of maternal and child health.</li> <li>• Knowledge on metabolite/lipid sample preparation protocols from tissue and bodily fluid.</li> <li>• Analyzing and interpreting the data acquired on LCMS platform.</li> <li>• Sound knowledge of data processing software/packages on R/Python and its related database concepts.</li> <li>• Omics data analysis, building metabolite library, and the use of multivariate data analysis in biomarker discovery is a must.</li> <li>• Knowledge of platforms/packages for integration of multi-omics data, especially for proteomics and metabolomics.</li> </ul>
<p><b>4.</b></p>	<p><b>Research Scientist (Microbial genomics)</b></p> <p>One post</p> <p>Rs. 1,00,000/-</p> <p>40 years</p> <p>Project Code 01</p>	<p>MD or MTech or equivalent or Ph.D or corresponding degree in any are of Life Sciences/Medical Sciences with one year of post-qualification research experience.</p>	<p><b>Establish proof of principle for microbiome-based interventions in (i) Inflammatory bowel disease and (ii) Pre-term birth</b></p> <p>The Candidate will work with the existing team in THSTI on the high throughput multi-omics data of (i) vaginal microbiome of Indian women with term and preterm birth outcomes and (ii) gut microbiome of patients suffering from chronic and acute infections.</p> <p><b>Work experience:</b></p> <p>Candidate should have competencies and work experience in i) Microbial genetics and genomics ii) Antibiotic resistance on clinical isolates. iii) Recombinant DNA Technology iv) Protein biochemistry and v) Drug discovery</p>
<p><b>5</b></p>	<p><b>Junior Research Scientist</b></p> <p>One post</p> <p>Rs. 85,000/-</p>	<p>M.Tech or equivalent or Ph.D or corresponding degree in area of Pharmaceutical chemistry or computational chemistry or computer-aided drug designing from a recognized university</p>	<ul style="list-style-type: none"> <li>• Maintenance of computational resources and infrastructure</li> <li>• Responsible to support the drug discovery projects: <ul style="list-style-type: none"> <li>➤ Computational chemistry, FEP+</li> </ul> </li> </ul>

	<p>35 years</p> <p>Project Code-01</p>	<p>Those who have submitted thesis are also eligible to apply. However, the candidate should possess PhD degree at the time of interview.</p>	<ul style="list-style-type: none"> <li>➤ Establishment of target specific chemical databases.</li> <li>➤ Virtual Screening (docking, pharmacophore modeling)</li> <li>➤ Structure- and ligand-based drug design.</li> <li>➤ Structural analysis and interaction finger printing</li> <li>➤ Understanding of chemistry and biological systems.</li> <li>➤ Knowledge of different free energy methods such as MM-GBSA, MM-PBSA and LIE.</li> <li>➤ Experience in Accelerated molecular dynamics (MD) simulation such as steered MD.</li> </ul> <ul style="list-style-type: none"> <li>• Communicate with project team: <ul style="list-style-type: none"> <li>➤ Interact with other field experts in the project to establish the informational pipeline between experimental methodologies and computational chemistry strategies.</li> </ul> </li> <li>• Training of computational chemistry and CADD tools to the students.</li> </ul>
<p><b>6</b></p>	<p><b>Technical Officer-I (Prototype development &amp; validation)</b></p> <p>One post</p> <p>Rs. 60,000/-</p> <p>30 years</p> <p>Project Code- 01</p>	<p>PG Professional degree in Biotechnology/Design Engineering or equivalent from the recognized university with one year of post-qualification experience in the relevant field.</p> <p><b>OR</b></p> <p>PG degree in Biotechnology/ Design Engineering or equivalent from a recognized university with two years of post-qualification experience in the relevant field.</p>	<ul style="list-style-type: none"> <li>• Basic knowledge of CAD and medical-grade plastic-based product prototyping.</li> <li>• Cell culture</li> </ul>
<p><b>7</b></p>	<p><b>Technical Assistant</b></p> <p>One post</p> <p>Rs. 20,000/- +HRA</p>	<p>B.Sc./ 3 years Diploma in Engineering &amp; Technology.</p>	<p>The candidate should have hands-on experience on Genomics and DNA &amp; RNA sequencing.</p>

	50 years		
	Project Code- 03	<p>➤ Last date for receipt of online application : <b>23<sup>rd</sup> December 2022.</b></p> <p>➤ The applications will be scrutinised/shortlisted and processed for further selection.</p>	

**GENERAL TERMS & CONDITIONS:**

- a) These are 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 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 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 [www.thsti.res.in/career](http://www.thsti.res.in/career). 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:

<b>S. No</b>	<b>Applying on direct recruitment</b>	<b>Application fee amount</b>
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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