



**thsti**

ट्रांसलेशनल स्वास्थ्य विज्ञान  
एवं प्रौद्योगिकी संस्थान

TRANSLATIONAL HEALTH SCIENCE  
AND TECHNOLOGY INSTITUTE

(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/24/2020**

**Dated 16<sup>th</sup> July 2020**

### **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, 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 will be strengthened by four core facilities viz. Small Animal Facility, Data Management Center, Biorepository and Bioassay Laboratory that will serve not only the research programmes of THSTI, but also the National Capital Region Biotech Science Cluster and other academic and industrial partners.
3. This recruitment is to fill up the vacancies under the project entitled “**Epidemic preparedness through rapid vaccine development: support of Indian vaccine development aligned with the global initiative of the Coalition for Epidemic Preparedness Innovations (CEPI)**”

The IndCEPI Mission programme funded by the Department of Biotechnology will concentrate on diseases likely to pose an epidemic threat to India and on the health security of our own population in partnership with THSTI, Program Management Unit-BIRAC, MoHFW, ICMR, CDSCO, MoD and MEA. The IndCEPI mission will not only address the development of new vaccine candidates for outbreaks, but also bridge the academia-industry gap for routine vaccines and vaccines of the future. The main goal of the IndCEPI program will be to facilitate India’s R&D capabilities in EID (Emerging Infectious Disease) vaccines to capitalize on the position of the Indian vaccine industry as an emerging leader in the vaccine field and make substantial contributions to global public health. The specific objectives of the mission are:

- To strengthen and facilitate global competitiveness in the development of new vaccines both for epidemic diseases and new platform technologies, by building and providing access to infrastructure to support the needs of the vaccine industry through an academia-industry interface

- To establish an internal coordinated inter-ministerial mechanism for vaccine development and testing to address known and unknown infectious disease threats.
- To build a public health preparedness system to respond to threats through strategic development of ethical and regulatory frameworks, surveillance and logistics for use of new vaccines, where appropriate.
- To strategically engage with CEPI through the IndCEPI Mission to develop vaccines to control epidemic outbreaks of infectious disease at an early stage to prevent spread, including engagement with LMICs.

4. Applications are invited from eligible candidates to fill up the following positions:

<b>S. No.</b>	<b>Name of the Post/ No. of Post / Max Monthly consolidated emoluments/ Age Limit</b>	<b>Minimum Qualifications &amp; Experience</b>	<b>Domain/Job description</b>
<b>1.</b>	<b>Scientist E (Virology)</b>  <b>One post</b>  Up to Rs. 1,92,000/-  55 years	MD/PhD in Life Sciences from a recognized University with minimum 7 years of post-PhD/MD experience in the field of animal viruses and animal models of infection.	<ul style="list-style-type: none"> <li>• to lead a group of junior scientists for setting up a research program on respiratory viruses</li> <li>• to establish animal models for respiratory viruses</li> <li>• to establish assays for vaccine development</li> <li>• to establish challenge models and assess efficacy of vaccine candidates</li> </ul>
<b>2.</b>	<b>Scientist D (Infectious disease and immunology)</b>  <b>One post</b>  Up to Rs. 1,25,000/-  45 years	PhD in Life Sciences/ Veterinary Science/ Microbiology/ Biotechnology or relevant branch from a recognized University with 3 years of relevant research experience after Ph.D in animal virology, animal models and cell culture, molecular and serological assays for vaccine development.	<ul style="list-style-type: none"> <li>• to work in a team consisting of junior scientists and technical staff to establish assays for vaccine development</li> <li>• to validate methods and understand the criteria for obtaining NABL accreditation for methods.</li> <li>• to provide assay services to clients and collaborators as per regulatory standards.</li> </ul>

			<ul style="list-style-type: none"> <li>The incumbent should be familiar with cGLP processes.</li> </ul>
3.	<p><b>Scientist D (Embryology &amp; Transgenics)</b></p> <p><b>One post</b></p> <p>Up to Rs. 1,25,000/-</p> <p>45 years</p>	<p>PhD in Life Sciences/ Veterinary Science/ Microbiology/ Biotechnology or relevant branch from a recognized University with 3 years of relevant research experience after PhD in rodent embryology, genome editing, embryo transfer technology and related molecular techniques.</p> <p><b>Desirable:</b> Knowledge and experience in rodent embryology, cryopreservation, rederivation of frozen sperms &amp; embryos, microinjection, genome editing and embryo transfer 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.</p> <p>The incumbent should be familiar with national and international standards/ requirements applicable for the specific pathogen free laboratory management.</p>
4.	<p><b>Scientist D (Animal Care &amp; Quality Control)</b></p> <p><b>One post</b></p> <p>Upto Rs. 1,25,000/-</p> <p>45 years</p>	<p>MVSc/PhD in Veterinary Pathology from a recognized university with minimum 3 years of work experience after PhD/MVSc in animal care, quality control and rodent pathology.</p> <p>The candidate must be registered with the state veterinary council or the veterinary council of India</p> <p><b>Desirable:</b> Knowledge and experience in animal care and rodent pathology.</p>	<p>The incumbent will be responsible for animal care inclusive of small animal breeding and maintenance, to perform the health and genetic monitoring/genotyping of small laboratory animals using routine microbiological and molecular biological techniques. He/she will be responsible for establishment and running of pathology laboratory with all necessary requisites.</p> <p>The incumbent should be familiar with national and international standards/requirements applicable for the vivarium management.</p>

<p>5.</p>	<p><b>Project Engineer (Biosafety Level 3 Facility)</b></p> <p><b>One post</b></p> <p>Upto Rs. 1,08,000/-</p> <p>50 years</p>	<p>BE/ B. Tech. or equivalent degree in Mechanical/ Electrical/ Electronics/ Instrumentation Engineering with minimum 6 years' of post qualification experience in scientific/ industrial/ turnkey projects or other relevant fields with expertise in execution, operation and maintenance of scientific facilities having HVAC, clean rooms, BMS systems, etc..</p>	<p><b><u>Biosafety Level 3 Facility</u></b></p> <ul style="list-style-type: none"> <li>➤ Project execution as per approved drawings, guidelines, specifications and Organizing routine servicing schedules.</li> <li>➤ Allocating work to a team of Technical Staff.</li> <li>➤ Checking and calibrating Instruments to make sure they are accurate.</li> <li>➤ Fitting new parts.</li> <li>➤ Carrying out quality inspections.</li> <li>➤ Responding immediately to equipment breakdowns.</li> <li>➤ Fixing faults or arranging for replacements to be installed.</li> <li>➤ Keeping Faculty in-charge informed of progress.</li> <li>➤ Organising teams to make sure 24-hour cover is available.</li> <li>➤ Making scheduled checks on equipment and parts.</li> <li>➤ Finding and fixing faults and recalibrating instruments.</li> <li>➤ Oiling and cleaning machinery and parts.</li> <li>➤ Servicing/replacing parts according to schedule of AMC/CAMC.</li> <li>➤ Responding immediately to instruments breakdowns.</li> </ul> <p>Any other work assigned by the ED/Faculty-in-Charge.</p>
<p>6.</p>	<p><b>Senior Technical Officer (Bioassay Lab)</b></p> <p><b>Two posts</b></p> <p>Upto Rs. 85,000/-</p> <p>35 years</p>	<p><b><u>For Bioassay Lab</u></b></p> <p>PG Degree /PG Professional degree in Life Sciences with 7/6 years' of relevant experience after obtaining the qualifying the degree.</p> <p>The candidate should have hands-on experience in molecular and serological assays. Should have sound knowledge of validation of</p>	<p><b><u>Bioassay Lab</u></b></p> <p>Senior Technical Officer will be reporting to the Laboratory Director and will be responsible for the following:</p> <ul style="list-style-type: none"> <li>➤ Ensuring compliance of assays and laboratory processes with ISO - 17025:2017 and ISO - 15189)</li> </ul>

		<p>assays, regulatory processes for assays used in diagnostics and vaccine development.</p> <p><b>Essential Experience:</b> Knowledge and experience in Microbiology, Virology, Molecular biology and animal cell culture.</p>	<ul style="list-style-type: none"> <li>➤ To perform the molecular and serological assays as per the standard operating procedures (SOPs)</li> <li>➤ To contribute to establishing new assays, to monitor the performance of the existing assays as per the regulatory guidelines for vaccine research</li> <li>➤ To work with the team manager in maintaining the inventory of reagents and chemicals</li> <li>➤ To work with the technical officers and verify the results and reports as and when the assays are completed and submit to the reporting officer.</li> <li>➤ Coordinate with the team manager and technical staff in getting the qualification and calibration of all laboratory equipment done as per schedule</li> <li>➤ Provide guidance/training to the junior technical staff for day-to-day activities</li> <li>➤ Contribute to writing new SOPs and revision of existing SOPs as and when required</li> <li>➤ Perform troubleshooting in the laboratory assay activities with team manager</li> </ul>
<p>7.</p>	<p><b>Technical Officer-II (Small Animal Facility and Bioassay Lab)</b></p> <p><b>Four posts</b></p> <p>Up to Rs. 75,000/-</p> <p>30 years</p>	<p><b><u>For Small Animal Facility</u></b></p> <p>PG Degree /PG Professional degree in Life Sciences/ Veterinary Science/ Microbiology/ Biotechnology or relevant branch with minimum 4/3 years of relevant post qualification experience in executing quality control &amp; animal care procedures in small animal facility.</p> <p><b>Desirable:</b> Knowledge and experience in small animal breeding, animal care and quality control.</p>	<p><b><u>Small Animal Facility</u></b></p> <p>The TO-II will be responsible to perform the health and genetic monitoring/genotyping of small laboratory animals using routine microbiological and molecular biological techniques. He/she will be responsible for breeding, maintenance of laboratory animals and performing all animal related experimental techniques. He/she will also be responsible for executing the procedures required for cryopreservation, rederivation</p>

		<p><b>For Bioassay Lab</b> PG Degree /PG Professional degree in Life Sciences with 4/3 years' of relevant experience after obtaining the qualifying the degree.</p> <p>The candidate should have hands-on experience in molecular and serological assays. Should have sound knowledge of validation of assays, regulatory processes for assays used in diagnostics and vaccine development</p> <p><b>Desirable:</b> Knowledge and experience in Microbiology, Virology, Molecular biology and animal cell culture.</p>	<p>of frozen sperms &amp; embryos, microinjection, genome editing and embryo transfer techniques. He/she will be responsible for enforcement of all applicable standard operating procedures and documentation work.</p> <p><b>Bioassay Lab</b> Technical Officer-II will be responsible for the following:</p> <ul style="list-style-type: none"> <li>➤ To maintain cell culture facility and perform virus isolation, virus neutralization assays and generate virus stocks for biorepository</li> <li>➤ To maintain the stocks and inventory for cell culture and related assays</li> <li>➤ To perform existing assays of the bioassay laboratory as per the regulatory guidelines for vaccine research</li> <li>➤ Ensuring compliance with accreditation processes (ISO - 17025:2017 and ISO -15189)</li> <li>➤ Preparation of standard operating procedures for assays</li> <li>➤ Verification/validation of assays using reference reagents</li> <li>➤ Providing training to junior technicians</li> </ul>
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**Note : The selection committee may recommend a candidate for lower grade/pay based on the qualification, skills and experience of the candidate.**

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

5. **GENERAL TERMS & CONDITIONS:**

- a) Appointment will be made on yearly contract basis for a period of five years with an initial probation period of six months that may be extended at the discretion of the competent authority.
- b) All educational, professional and technical qualification should be from a recognized Board/University.
- c) The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications required for the post.
- d) Persons working in Govt. / PSUs / autonomous bodies should apply through proper channel or produce a relevant 'No Objection Certificate' at the time of Interview/presentation.
- e) Age and other relaxations for direct recruits and departmental candidates: i) By 5 years for candidates belonging to SC/ST communities. ii) By 3 years for candidates belonging to OBC communities. iii). For Persons with Benchmark Disabilities (PwBD) falling under the following categories: iii(a) UR - 10 years, iii(b) OBC - 13 years iii(c) SC/ST - 15 years iv) 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. v) Age is relaxable for Central Government servants up to 5 years in accordance with the instructions or orders issued by the Central Government, from time to time. vii) There is no upper age limit for the employees who are working for THSTI.
- f) The closing date of online application will be the CRUCIAL DATE for determining eligibility with regard to age, essential qualification etc.
- g) The positions advertised will be filled only if suitable candidates are identified.
- h) Outstation SC/ST/ PwBD candidates called for the interview/presentation will be paid to & from second class railway fare, as per Govt. of India rules on production of the proof of the same.
- i) All results will be published on our website and all communications will be only through email.
- j) Canvassing in any form will be a disqualification.

6. **Procedure for filling online application:**

- a) Before filling up the online application, keep the following documents handy:
  - i) A soft copy of your passport size photo and signature. (only jpeg/jpg/png format)
  - ii) A comprehensive CV (PDF format only) containing details of qualification, positions held, professional experience/distinctions etc.
  - iii) The documents in support of educational qualification and experience (PDF format only) as mentioned below:
    - Matriculation Mark sheet
    - Intermediate Mark sheet



- Graduation Degree/Mark Sheet
- Post-Graduation Degree/Mark Sheet (if any)
- Ph.D/MD or equivalent degree (if any)
- Relevant experience certificates
- Caste/Disability certificate in the format prescribed by the Govt. of India, if applicable
- List of Publications (if any)
- List of patents (if any)

iv) Application fee is to be deposited online as per details given below:

S. No.	Category	Amount
1.	Unreserved candidates/EWS/OBC	500
2.	SC/ST/Women/PwBD	100

After submitting the application, you will be automatically redirected to the dashboard wherein you will be required to click on “Pay Online” button in order to proceed for payment.

- **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 provisional receipt for future reference.**
- **Fee once paid shall not be refunded under any circumstances.**

- b) 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.
- c) On successful submission of your 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.
- d) Candidates are required to keep a printout of the online application form by using the print button on the dashboard for future reference.
- e) Candidates must ensure that he/she fulfils all eligibility criteria as stipulated in the advertisement. If it is found that he/she does not fulfil the stipulated criteria, the candidature will be cancelled.
- f) Incomplete applications shall be summarily rejected and no correspondence in this regard shall be entertained.
- g) Candidates are requested to use Google Chrome internet browser for best results in submission of online application.
- h) In case of difficulty in filling up the online form, please send e-mail to [personnel@thsti.res.in](mailto:personnel@thsti.res.in).

**7. Important Date:**

Last date for receipt of online application	2 <sup>nd</sup> August 2020
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