

RECRUITMENT NOTICE NO. : THS/RN/20/2021

Dated 13th May 2021

RECRUITMENT FOR SCIENTIFIC AND TECHNICAL POSITIONS

1. Translational Health Science and Technology Institute (THSTI) is an autonomous Institute of the Department of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India. The institute is an integral part of the interdisciplinary NCR Biotech Science Cluster (NCR BSC) located at Faridabad, and is designed with the mission to conduct innovative translational research to translate concepts into products to improve human health. We are in the process of filling up vacancies in the project entitled “**Translational Research Program**” and other related projects.
2. THSTI comprises of **four major research themes** and **four core facilities**.
 - a) The four major research themes for the new research and development program are:
 - i) **Infectious diseases and immunology [I&I]**

The focus is on drug and vaccine development for infectious diseases. Specific objectives of this area are:

 - Discovery and validation of therapeutics for tuberculosis and other infectious diseases
 - Late stage vaccine development for diseases of public health interest in India
 - Pathogen phylogenetics
 - Deep immunophenotyping of humans challenged with vaccines or infectious agents
 - Establishment of proof-of-principle for microbiome-based interventions in i) inflammatory bowel disease and ii) pre-term birth
 - ii) **Maternal and child health [MCH]**
 - Maternal and child health research at THSTI encompasses molecular studies in perinatal biology, maternal nutrition and other aspects relevant to maternal and child health.
 - Understand feto-placental development and in utero placental dysfunction and association with pregnancy outcomes
 - Long term outcomes in growth-restricted fetuses and preterm babies
 - Environmental determinants of pregnancy outcomes
 - Develop tools to measure nutrient status
 - Biology of nutrition and evaluation of interventions
 - iii) **Multi-disciplinary clinical and translational research [MCTR]**

This area is focused on development of diagnostics for infectious diseases, antimicrobial

resistance and snake-bite and following objectives have been identified:

- Highly sensitive semi-quantitative point-of-care tests (POCT) for blood-borne virus screening and for acute febrile illnesses
- Rapid tests for Antimicrobial Susceptibility Testing
- New approaches to identification of snake venom/bites

iv) Non-communicable diseases, with a focus on Diabetes and NASH [NCD]

Multidisciplinary approaches to address unmet needs of target discovery and validation, identification of stage-specific biomarkers for diagnosing disease progression using animal models and development and validation of prediction tools. Current focus is on:

- Tool for diabetes prediction based on metabolomic signatures using machine learning algorithms
- *In vitro* and *in vivo* models of non-alcoholic fatty liver disease (NAFLD), to evaluate new chemical entities (NCEs) and plant-based extracts to identify therapeutic leads
- Stage-specific molecular signature for diagnosis/ prognosis of dyslipidemia, inflammation and fibrosis associated with NAFLD/NASH.

- b) The four thematic areas will be supported by four core facilities that will serve not only the research programmes of THSTI, but also cater to the NCR-BSC and other academic and industrial partners.

i) Bioassay Laboratory [BAL]

The bioassay lab was established in 2018 with the goal of ISO accreditation by the National Accreditation Board for Testing and Calibration Laboratories. Candidate viral vaccines are being developed in India and will require clinical trials from Phase I to Phase III. BAL will act as a GCLP facility to support these clinical studies by providing assay platforms for various clinical and immunological assays.

ii) Biorepository Facility [BRF]

The biorepository (*Rakshita*) is a bio-bank for facilitating national and international collaborations on translational research in maternal and child health. The biorepository is continuously expanding with samples being collected at collaborating hospitals and sent to THSTI.

iii) Data Management Centre [DMC]

A state-of-the-art data management centre is currently augmenting the data management capability and capacity of investigators working on research projects that require management of enormous amount of data collected through clinical studies, cohort studies and large multicentre studies being led / coordinated by THSTI investigators. The DMC provides support for statistical analysis to groups at THSTI and outside.

iv) Small Animal Facility [SAF]

The Small Animal Facility (SAF) breeds and maintains genetically defined inbred strains of rats and mice and has a specialized animal biosafety containment facility for undertaking animal research for infectious diseases. Future upgradation for development of transgenics and new models is underway.

2. Applications are invited from eligible candidates to fill up the following positions in the major research theme of **Maternal and child health (MCH)**:

S. No.	Name of Post/ Monthly consolidated emoluments/ Age limit /No. of Post	Minimal Qualifications and Experience	Job description/ responsibilities
1.	Principal Scientist-II Rs. 1,92,000/- 55 years One post	MD or equivalent OR Ph.D OR corresponding degree in any area of Life Sciences/ Medical Sciences from a recognized university with at least seven years of post-qualification research experience as demonstrated by patents /publications/product leads and scientific mentoring experience in the interface of health sciences and technology focused in the domain of maternal and child health.	The Principal Scientist II will be required to: Work on interphase of epidemiology and inflammation and infection in maternal and child health including preterm birth, fetal growth restriction, young infant sepsis and linear growth. Expand the scope of integrative, multi-disciplinary research in maternal and child health by developing innovative research questions and obtaining extramural funding to sustain the programme.
2.	Principal Scientist-I Rs. 1,50,000/- 55 years One post	MD or equivalent OR PhD OR corresponding degree in any area of Life Sciences/Medical Sciences from a recognized university with at least five years of post-qualification research experience as demonstrated by patents/ publications/ product leads and scientific mentoring experience in the interface of health sciences and technology focused in the domain of maternal and child health	The Principal Scientist I will be required to: Work on interphase of epidemiology and state of the art “omic” platforms for complex diseases including preterm birth, fetal growth restriction, young infant sepsis and linear growth Expand the scope of integrative, multi-disciplinary research in maternal and child health by developing innovative research questions and obtaining extramural funding to sustain the programme. Initiate and conduct data analysis that integrates clinical and biological data from large studies
3.	Senior Research Scientist Rs. 1,25,000/- 45 years	MD or equivalent OR PhD OR corresponding degree in any area of Life Sciences/Medical Sciences from a recognized university with at least three years of post-qualification research experience as demonstrated	The Senior research Scientist will be required to: Work on interphase of epidemiology and state of the art “omic” platforms for complex diseases including

	One post	by patents/ publications/ product leads and scientific mentoring experience in the interface of health sciences and technology focused in the domain of maternal and child health	preterm birth, fetal growth restriction, young infant sepsis and linear growth Supervise data collection, coordinate between laboratory & clinical population groups Conduct data analysis that integrates clinical and biological data from large studies
4.	Research Scientist (Clinical) Rs. 1,20,000/- 40 years One post	PhD in Life sciences OR MD or equivalent from a recognized university with basic degree of MBBS with one year post-doctoral / post-MD experience in clinical epidemiology, immunology, genetics, biology or biomedical engineering, cellular and molecular biology.	The Clinical Research Scientist will be required to: Conduct epidemiological and clinical research projects to study associations between specific epidemiological risk factors and child health outcomes. Initiate a birth cohort to evaluate the association between ante- & perinatal risk factors and childhood growth & neurodevelopment Supervise data collection, coordinate between laboratory & clinical population groups Carry out data analysis of large observational or intervention studies
5.	Technical Officer- II (Data Management /Clinical) Rs. 75,000/- 30 years Four posts	Post graduate degree in either information technology/Computer science/ Computer application with at least four years of relevant post qualification work experience OR Post graduate professional degree in either information technology/Computer science/ Computer application with at least three years of relevant post qualification work experience OR Graduate degree in either information technology/Computer science/ Computer application with at least six years of relevant post qualification work experience OR Professional graduate degree in either information technology/Computer science/ Computer application with at least five years of relevant post qualification work experience OR Graduate in any discipline with one year diploma in computers and at least	The TO-II should have skill and ability to: Develop data management plan, CRF filling guidelines , design CRFs, program basic data quality checks in database TO-II will be required to: Receive CRFs from the clinical team, maintain accountability of received CRF pages and ensure accurate data entry into database Run data quality checks for the database, generate queries and query resolution within timelines. Write DM SOPs in accordance with best practice data management and ICH-GCP guidelines

		ten years of relevant post qualification work experience	
6.	<p>Technical Officer- II (Laboratory)</p> <p>Rs. 75,000/-</p> <p>30 years</p> <p>Two posts</p>	<p>Post graduate degree in science with at least four years' of relevant post qualification experience</p> <p>OR</p> <p>Post graduate professional degree in relevant branch with at least three years' of relevant post qualification work experience</p> <p>OR</p> <p>Graduate degree in science with at least six years' of relevant post qualification work experience</p> <p>OR</p> <p>Professional graduate degree in relevant branch with at least five years of relevant post qualification work experience</p> <p>Desirable:</p> <p>For biorepository:</p> <p>Candidates should have experience in working in a biorepository with managing the processing and archival of clinical samples.</p> <p>For Nutritional Laboratory:</p> <p>Should have experience in handling clinical samples.</p> <p>Isolation of PBMCs</p> <p>Running samples on AAS and ICP-MS</p>	<p>For Biorepository:</p> <p>Liaison between clinical, biorepository and lab teams for inventory and day to day study flow for smooth execution of the studies. Indent the resources for different studies and upkeep of the facility. Ensure implementation and complete compliance with proper execution of the study SOPs for bio-specimen collection, processing, storage and distribution.</p> <p>Manage the proper packaging, shipment of samples as per IATA guidelines and maintain their records. Regularly monitor all activities related to the biorepository and provide technical guidance and training to the junior staff.</p> <p>For Nutritional Laboratory:</p> <p>Supervise a laboratory handling large volume of clinical samples. Manage the lab infrastructure, equipment maintenance, stock keeping and indenting reagents as and when required. Develop SOPs for the lab and for the tests/analysis being done in the lab.</p>
7.	<p>Technical Officer -I</p> <p>Rs. 60,000/-</p> <p>30 years</p> <p>One post</p>	<p>Post graduate degree in science with at least three years' of relevant post qualification experience</p> <p>OR</p> <p>Post graduate professional degree in relevant branch with at least two years' of relevant post qualification work experience</p> <p>OR</p>	<p>Lead a team of field workers/technicians and supervise the operational and technical aspects of implementation of the study specific field/ facility based procedures ensuring compliance with GCP.</p> <p>Provide input into and/or develop study related material such as community follow-up, telephonic follow-up, home visit SOPs, logs and other study related documents</p>

		<p>Graduate degree in science with at least five years' of relevant post qualification work experience</p> <p>OR</p> <p>Professional graduate degree in relevant branch with at least four years of relevant post qualification work experience</p> <p>OR</p> <p>Graduate in any discipline with at least eight years relevant post qualification work experience</p> <p>The candidate should have relevant experience in clinical or field work in epidemiological or clinical research preferably in maternal and/ or child health</p>	<p>Supervise the preparation of lab at site, implementation of laboratory procedures at site and QC of lab activities</p> <p>Communicate with site lab technicians for tracking laboratory reports of enrolled participants</p>
8.	<p>Senior Technician (Clinical)</p> <p>Rs. 50,000/-</p> <p>30 years</p> <p>Two posts</p>	<p>Post graduate diploma in clinical research with one year of relevant post qualification work experience</p> <p>OR</p> <p>Graduate degree in science with at least two years' of relevant post qualification work experience</p> <p>OR</p> <p>Professional graduate degree in relevant branch with at least one year of relevant post qualification work experience</p> <p>OR</p> <p>Graduate in any discipline with at least five years of relevant post qualification work experience</p> <p>The experience should be in clinical techniques or field work in maternal and child health</p>	<p>Collect, transport and store human samples</p> <p>Maintain the clinical data forms of the enrolled participants</p> <p>Ability to perform field or community based follow-up visits – telephonic, home -visits, field based anthropometric data collection, home blood sample collection, communication with participants; tracking participants at home</p> <p>Coordinate the activities between the hospital study sites and the data management team.</p>
9.	<p>Senior Technician (Laboratory)</p> <p>Rs. 50,000 /-</p> <p>30 years</p> <p>One post</p>	<p>Graduate degree in science with at least two years of relevant post qualification work experience</p> <p>OR</p> <p>Professional graduate degree in relevant branch with at least one year of relevant post qualification work experience</p> <p>OR</p>	<p>Prepare all the common laboratory reagents including buffers and media</p> <p>Wash laboratory ware, autoclave etc.</p> <p>Maintain computer inventory of laboratory reagents and instruments</p>

	Graduate in any discipline with at least five years of relevant post qualification work experience OR Senior Secondary with Science with at least eight years of relevant post qualification work experience The experience should be in a research laboratory	Up-keep of lab and performing other duties as directed
<ul style="list-style-type: none"> ➤ Last date for receipt of online application : 31st May 2021. ➤ The applications will be scrutinised/shortlisted and processed for further selection. ➤ Tentative date of skill test/interview : 7th -11th June 2021. 		

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.
- g) All results will be published on our website and all future communications will be only through email
- h) 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.

- i) With regard to any provisions not covered in this notification, the bye laws of THSTI / Govt. of India rules / guidelines shall prevail.
- j) Canvassing 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 (if applicable)
- 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. 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 500/-
2.	SC/ST/Women/PwBD	Rs 100/-

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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