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, 3rd Milestone, Faridabad – Gurugram Expressway, P.O. Box No. 04, Faridabad - 121001

RECRUITMENT NOTICE NO. : THS/RN/25/2020 **Dated 27th 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 (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.

3. Applications are invited from eligible candidates to fill up the following positions in the three major research themes namely, **I&I, NCD and MCTR** and the four core facilities namely **BAL, BRF, DMC and SAF:**

S. No.	Name of the Post/ No. of Post / Max Monthly consolidated emoluments/ Age Limit	Minimum Qualifications & Experience
a.	**i) Principal Scientist-II** Upto Rs. 1,92,000/- 55 years	MD or MVSc or equivalent **OR** Ph.D in Life Sciences/ Computational biophysics / Chemical Sciences /Pharmaceutical Sciences/ Bioinformatics / Engineering/ Proteomics or relevant branch from a recognized University with 7 years of relevant post qualification research experience.
	ii) Principal Scientist-I Upto Rs. 1,50,000/- 55 years **Five posts (both (i) + (ii))**	MD or MVSc or equivalent **OR** Ph.D in Life Sciences/ Computational biophysics / Chemical Sciences /Pharmaceutical Sciences/ Bioinformatics / Engineering/ Proteomics or relevant branch from a recognized University with 5 years of relevant post qualification research experience.
b.	**Research Scientist** **One post** Upto Rs. 1,00,000/- 40 years	MD or MVSc or equivalent **OR** Ph.D in Life Sciences/ Computational biophysics / Chemical Sciences /Pharmaceutical Sciences/ Bioinformatics / Engineering/ Proteomics or relevant branch from a recognized University with 1 year of relevant post qualification research experience.
c.	**Junior Research Scientist** **One post** Upto Rs. 85,000/- 35 years	MD or MVSc or equivalent **OR** Ph.D in Life Sciences/ Computational biophysics / Chemical Sciences /Pharmaceutical Sciences/ Bioinformatics / Engineering/ Proteomics or relevant branch from a recognized University.
d.	**Senior Technical Officer** **One post** Up to Rs. 85,000/- 35 years	Post graduate degree in Life Sciences/ Chemical Sciences/ Pharmaceutical Sciences/ Computer Science/ Information Technology/ Engineering/ Bioinformatics or in relevant area with 7 years of post qualification experience in the relevant field.

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"

1. **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 & fro 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.

2. **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
- 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. 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 .

3. **Important Date:**

Last date for receipt of online application	17th August 2020