

(An Autonomous Institute of the Department of Biotechnology, Govt. of India)
[NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurgaon Expressway, P O Box No. 04, Faridabad - 121001](#)

Recruitment Notice No: THS / RN /30/ 2015

RECRUITMENT FOR SCIENTIFIC POSITIONS

- a) Translational Health Science and Technology Institute (THSTI) is an autonomous Institute of the Department of Biotechnology under the Ministry of Science and Technology, Govt. of India. THSTI is developed as a part of the interdisciplinary NCR Biotech Science Cluster located at Faridabad. THSTI is designed as a dynamic, interactive organization with a mission to conduct innovative translational research and to develop research collaborations across disciplines and professions to translate concepts into tangible products to improve human health.
- b) THSTI has set up niche centres for research in areas relevant to planned translational work. They are: Vaccine and Infectious Disease Research Centre (VIDRC), Paediatric Biology Centre (PBC), Centre for Bio-design & Diagnostics (CBD), Drug Discovery Research Centre (DDRC), Centre for Human Microbial Ecology (CHME) and Policy Centre for Biomedical Research (PCBR). Clinical Development Services Agency (CDSA) and the National Bio-design Alliance (NBA) are THSTI's extramural centres.
- c) This advertisement is to fill up the vacancy of THSTI under Centre for Bio- design & Diagnostics (CBD) and Centre for Human Microbial Ecology (CHME).
- d) Centre for Bio-design and Diagnostics (CBD) has been established as a niche centre of THSTI. The primary mission of this centre is to promote an effective translational route of basic findings through a multidisciplinary approach, combining new bio markers, medical technology innovation, product development and clinical expertise. The centre would focus on establishing high quality, affordable technologies and ensuring their development to reach patients. Major areas of research are broadly divided between diagnostics and medical technologies covering implants and devices. The diagnostics focus includes protein and antibody engineering, detection technologies and concepts, nucleic acid diagnostics, new clinical markers, decentralized diagnostics (Point-of-Care), bio-organic chemistry diagnostic technologies, bio-affinity test concepts and systems, micro-fluidics, miniaturization, different reporter alternatives multiplexing. Implants and devices cover products incorporating novel biomaterials, drug delivery systems, tissue engineering, aerosol engineering, prostheses, frugal innovation and advanced systems for soft matter characterization.
- e) The vision of Centre for Human Microbial Ecology (CHME) is to understand the dynamics of human microbiome and its influence on various clinical outcomes such as prematurity, malnourishment and response to vaccinations. Its aim is to harness the human microbiome for providing knowledge-based solutions for public health. The mission of CHME is to create a multidisciplinary research centre designed to conduct basic, clinical and translational research on the role of the human microbiome in health and disease.

f) Applications are invited from suitable candidates for the following positions to be filled by direct recruitment:

S. No.	Position / Number of position / Max. Monthly Emoluments / Age limit	Qualification and Experience	Job Description	Centre
01	<p>Innovation Awardee (Devices)</p> <p>Three positions</p> <p>Rs.75,000/-</p> <p>35 years</p>	<p>Ph.D with proven track record of innovation in medical devices and implants/ biomaterials/ tissue engineering/ optics/ imaging platforms and medical image processing/ medical electronics & instrumentation/ mobile health technologies/ biomedical nanotechnology/ aerosol engineering/ microfluidics and photolithography/ machine learning/ bioprocess engineering/ frugal innovation in medical technology as evident from research publications, patents, grant funding, products developed and recognitions in field.</p> <p>OR</p> <p>M.Tech/ M.Eng. with two years' experience in medical devices and implants/ biomaterials/ tissue engineering/ optics/ imaging platforms and medical image processing/ medical electronics & instrumentation/ mobile health technologies/ biomedical nanotechnology/ aerosol engineering/ machine learning/ microfluidics and photolithography/ bioprocess engineering/ frugal innovation in medical technology as evident from research publications, patents, grant funding, products developed and recognitions in field.</p>	<ul style="list-style-type: none"> • Working on independent projects in one or more of the areas listed under the guidance of assigned CBD Faculty Assisting in landscape mapping, market analysis and identification of unmet needs by rigorous primary and secondary research as well as direct clinical immersion. • Will be responsible for translating innovations to market by developing products, processes and technologies relevant to public health Brainstorming for novel solutions and initiating proof-of-concept development. • Trouble-shooting and problem solving any issues with design, performance and optimization as may arise in the product development process. • Overall lab management including keeping track of inventory, consumables, safety and adherence to good lab practices. • Mentoring students and junior researchers in all 	CBD

		<p>OR</p> <p>MD in any medical specialty or MBBS with three years of clinical experience with interest in innovation of medical devices and implants/ biomaterials/ tissue engineering/ imaging platforms and medical image processing / mobile health technologies as evident from research publications, patents, grant or other funding, products developed and recognitions in field.</p>	<p>relevant aspects of translational research and product development using the Bio-design process.</p> <ul style="list-style-type: none"> • Assisting in grant-writing and communicating progress internally to senior management and externally to funding agencies. • Supporting all aspects of product translation including capture and management of Intellectual Property, Regulatory filings, pre-clinical and clinical trials and any other functions that may be required for successful product launch. • Assisting in establishing and expanding the innovation infrastructure and ecosystem at CBD 	
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Innovation Essay: Please provide a 2-page (1000 words max) essay on an example of an original biomedical or med-tech related innovation that you have or are in the process of successfully translating into practice. Clearly describe your original idea or hypothesis, any clinical or scientific unmet need the idea was designed to fulfil, your proposed solution and your efforts in physically developing the solution up to an advanced state of translation. You may include pictures of prototypes or other appropriate figures (computer aided solid models, sketches, microscopy images, graphs, charts, screen-shots of software algorithm GUIs or outputs), or any other visual and verifiable proof of your concept development and translation (e.g. posters or links to videos uploaded to YouTube etc.). Please include any results from pre-clinical, clinical or field trials and what the current status of the innovation is (i.e. pending bench-test, field trial, startup formation, business plan development, fund raising, market launch etc). Clearly mention your role in the innovation process (e.g. originator of idea or inventor, lead developer, or part of a team with specific responsibilities for translation). You may also attach published papers or filed patent applications as supporting materials, although these may not be submitted as the primary proof of innovation instead of the essay.

Please include only previously published, or publicly disclosed, non-confidential information. The Institute will not be responsible for maintaining confidentiality of any ideas or data disclosed with the application.

02	Microbiome Innovation Award Two Positions Rs.75,000/- 35 years	Ph.D in the area of Molecular Microbiology/Protein Chemistry with preference given to those with interest and expertise in Enteric Microbiology/Infectious diseases. Those who have submitted thesis are also eligible to apply.	The candidate will be involved in human microbiome research in CHME under the mentorship of its faculty.	CHME
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- **The candidates who had applied earlier for the post of Innovation Awardee (Devices) & Microbiome Innovation Award in response to our Recruitment Notice no. THS/RN/19/2015 and THS/RN/23/2015 will also be considered and NEED NOT apply again.**

GENERAL TERMS & CONDITIONS:

1. The position at S.No. 1 is a short term position and extension will be granted subject to satisfactory performance of the incumbent.
2. For position under serial no. 2, the appointment will be made on contract for a period upto 9th July 2018 with a probation period of one year.
3. Persons working in Govt. / PSUs / autonomous bodies should apply through proper channel or produce a relevant 'No Objection Certificate' at the time of Interview.
4. All educational, professional and technical qualification should be from a recognized Board/University.
5. The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications specified for the post.
6. The age limit, qualification, experience and other requirements for the posts are relaxable at the discretion of the competent authority, in case of candidates who are otherwise suitable. Candidates not found suitable for the posts notified, can be offered a lower post on the recommendation of the Selection Committee.
7. Number of positions filled will be as per the Institute's need and availability of the suitable candidates.
8. Reservation rules shall apply wherever applicable. Outstation SC/ST/PwD candidates called for the interview will be paid to & fro second class railway fare, as per Govt. of India rules on production of the proof of travel.

9. Incomplete applications will stand summarily rejected.
10. In case a large number of applications are received for each post, screening will be done to limit the number of candidates to those possessing higher/relevant qualification and experience.
11. Only shortlisted candidates will be called for interview.
12. All results will be published on our website and all future communications will be only through email.
13. Canvassing in any form will be a disqualification
14. Interested candidates are requested to submit the online application on or before the last date and send the signed hard copy of application on or before the specified date.

The procedure for online application:

- a. Before filling online application, do keep the following documents handy:
 - i. A soft copy of your passport size photo.
 - ii. A comprehensive CV (PDF format only) containing details of qualification, positions held, professional experience/distinctions etc.
 - iii. Application fee in the form of demand draft for an amount of Rs. 100/- in the favour of “Translational Health Science and Technology Institute” payable at Gurgaon (SC/ST/Women/PwD candidates are exempted from payment of application fees).
- b. Candidates are requested to use Google Chrome internet browser for best results in submission of online application.
- c. Once online application is submitted, no correction/modification is possible.
- d. In case of difficulty in filling up the online form, please contact admin@thsti.res.in
- e. On successful submission of your application, an auto-generated email containing a reference number will be sent to the email address provided. Please keep a note of the reference number for future correspondence.
- f. The following be done after submission of online application:
 - i. Take a print out of the application.
 - ii. Please sign the application at the appropriate place and send the signed application with demand draft, CV, self-attested copies of certificates / documents pertaining to educational qualification and experience by speed post /registered post so as to reach on or before the last date at the address given below.

Head - Administration

Translational Health Science and Technology Institute

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P.O. Box No. 04, Faridabad – 121001

Please super-scribe the post applied for on the envelope.

g. Please note that the application without signature, or those received after due date or incomplete in any other respect will be summarily rejected.

h. Important dates:

Last date for submission of online application : 14.11.2015

Last date for receiving the signed hard copy of application at THSTI: 21.11.2015