

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

## **RECRUITMENT NOTICE NO. : THS/RN/14/2017**

### **RECRUITMENT FOR RESEARCH AND TECHNICAL POSITIONS**

- a) 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 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 National Bio-design Alliance (NBA) are THSTI's extramural centres.
- c) This recruitment is to fill up the vacancies of THSTI under the projects of CBD, PBC and VIDRC.
- 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 details of the projects under CBD is as below:

<b>Project code</b>	<b>Project Name</b>	<b>Project Details</b>
<b>(01)</b>	<b>Multiplexed Point-of-Care test for acute febrile illness (oPOCT)</b>	This is a WHO funded project with an objective to develop antigen and antibody based multiplexed rapid point of care test which can detect etiologies of tropical fevers e.g. Malaria, Dengue, Typhoid/ Paratyphoid, Leptospirosis, Scrub Typhus, Chikungunya, etc. in humans.
<b>(02)</b>	<b>High Sensitivity Multiplex point-of-care assay systems for the detection of blood borne infections in emergency settings</b>	This is a Wellcome Trust funded project with an objective to develop antigen and antibody based single multiplexed rapid point of care test which can detect HIV, HCV and HBV infection in humans.

- e) PBC conducts hypothesis driven research on the biological basis of childhood health and diseases. The knowledge generated will be incorporated in THSTI institutional networks in developing diagnostic and therapeutic modalities. The interdisciplinary effort will need to knit together expertise from the fields of paediatrics, infectious disease, microbiology, immunology, cell and molecular biology, systems biology, imaging studies, clinical trials, biostatistics and epidemiology, among others. The details of project under PBC are as below:

<b>Project code</b>	<b>Project Name</b>	<b>Project Details</b>
<b>(03)</b>	<b>Zinc as an adjunct for the treatment of very severe disease in infants younger than two months</b>	<p>A collaborative clinical trial entitled “Zinc as an adjunct for the treatment of very severe disease in infants younger than 2 months” will be executed under a Department of Biotechnology, Govt. of India ‘Program of Cooperation’ with funding by Research Council of Norway under the Research Grant on Global Health and Vaccination Research (GLOBVAC) and CISMAL (Centre for Intervention Sciences in Maternal &amp; Child Health), Norway.</p> <p>The main objective of this double-blind randomized controlled trial (RCT) is to measure the efficacy of oral zinc given as an adjunct to standard therapy to infants less than 2 months of age with clinical severe infection in reducing case fatality.</p> <p>The trial will be conducted over a period of 3 years. This is a multi-centre study where recruitments will take place in 7 centres, 4 in New Delhi India and 3 in Kathmandu, Nepal. The participants will be randomized to receive zinc or placebo in a 1:1 allocation ratio. The intervention (zinc/ placebo drops) will be co-administered with the standard therapy daily at 12 hourly intervals from the time of enrolment for 14 days. 4140 infants with clinical severe infection will be enrolled, given intervention for 14 days and followed up till discharge and until 12 weeks from the day of enrolment.</p> <p>This recruitment is for study implementation at the 4 Delhi hospital sites:</p> <ol style="list-style-type: none"> <li>i. VMMC &amp; Safdarjung hospital</li> <li>ii. Maulana Azad Medical College &amp; associated Lok Nayak hospital</li> <li>iii. Chacha Nehru Bal Chikitsalaya</li> <li>iv. Kasturba Hospital</li> </ol>

- f) Vaccine and Infectious Disease Research Centre (VIDRC) was set up with a mission to study and understand infectious disease, their pathogens and host-pathogen interactions at the molecular and cellular level to generate translational knowledge to develop prophylactic and therapeutic measures against diseases prevalent in India. The details of the project under VIDRC is as below:

<b>Project code</b>	<b>Project Name</b>	<b>Project Details</b>
<b>(04)</b>	<b>A systems approach to analyse changes in global phosphorylation status of proteins in macrophages infected with Mycobacterium tuberculosis complex bacteria and their repercussions on mycobacterial virulence</b>	<p>A systems approach to analyze changes in global phosphorylation status of proteins in macrophages infected with Mycobacterium tuberculosis complex bacteria, and their repercussions on mycobacterial virulence aims at characterizing the post-translational modification of host proteins, in particular phosphorylation, upon infection with human pathogen M. tuberculosis and subsequent effect of differentially phosphorylated proteins on intracellular survival of mycobacteria.</p>

g) Following are the vacancies under the above mentioned project:

S. No.	Name of the Position/ Project Code/ No. of Positions/ Maximum monthly consolidated emoluments/ Age Limit (Type of position)	Minimum Qualification and experience	Desirable Skills and experience
01.	<b>Project cum Grant Manager</b> <b>Project Code: (01)</b> <b>One Position</b> Upto Rs. 90,000/- 45 years (Research Position)	Ph. D Degree in Life Sciences/ Biological Sciences/ Biological Sciences. <p style="text-align: center;"><b>OR</b></p> Post Graduate Degree in Life Sciences/ Biological Sciences with minimum 6 years of research experience.	Candidates having good command over English and excellent writing and communication skills, knowledge of Microsoft Office (especially excel) with outstanding project coordination and management skills will be preferred. <b>Additional Skills:</b> Experience in diagnostic development, lateral flow assay, ELISA, Hybridoma, monoclonal antibody generation, phage display, recombinant protein production, <i>Pichia pastoris</i> expression system etc.
02.	<b>Senior Project Researcher</b> <b>Project code: (01)</b> <b>Two positions</b> Upto Rs.90,000/- 40 Years (Research Position)	Ph. D in Life Sciences/ Biological Sciences/ Biological Sciences. <p style="text-align: center;"><b>OR</b></p> Post Graduate Degree in Life Sciences/ Biological Sciences with minimum 6 years of research experience.	Candidates having experience in Hybridoma, diagnostic development, lateral flow assay, ELISA, monoclonal antibody generation, phage display, recombinant protein production, <i>Pichia pastoris</i> expression system, automation (liquid handling workstation) etc. will be preferred.
03.	<b>Project Manager</b> <b>Project code: (02)</b> <b>One position</b> Upto Rs.80,000/- 30 Years (Research Position)	Post Graduate Degree in Life Sciences/ Biological Sciences or equivalent with minimum 2 years of research experience.	Candidates having good command over English and excellent writing and communication skills, knowledge of Microsoft Office (especially excel) with outstanding project coordination and management skills will be preferred. <b>Additional Skills:</b> Experience in diagnostic development, lateral flow assay, ELISA, Hybridoma, monoclonal antibody generation, phage display, recombinant protein production, <i>Pichia pastoris</i> expression system etc.
04.	<b>Senior Research Officer</b> <b>Project Code: (03)</b> <b>One Position</b> Upto Rs. 80,000/- 45 years (Research Position)	MD/ DNB (preferably in Pediatrics) from an accredited Indian University/ MCI with minimum 2 years' of relevant experience. <p style="text-align: center;"><b>OR</b></p> DCH in Paediatrics from an accredited Indian University/ MCI with minimum 3 years' of relevant experience. <p style="text-align: center;"><b>OR</b></p> MBBS from an accredited Indian University/ MCI from a recognized	Incumbent will coordinate the study activities at any one of the 4 Delhi hospital sites. Incumbent will have a team of 7 Study nurse and 4 Technicians working under his/ her supervision at the site. <b>Incumbent will be responsible for the following:</b> <ul style="list-style-type: none"> <li>Efficient management of clinical operations at the study site, including space for study related activities, responsibility of equipment provided for study activities (calibration, maintenance), ensuring sufficient inventory at site for smooth functioning of study activities.</li> </ul>

		<p>University with minimum 5 years' of experience in Paediatrics.</p> <p style="text-align: center;"><b>OR</b></p> <p>MBBS + MPH from an accredited Indian University/ MCI with minimum 3 years' of experience in Paediatrics.</p>	<ul style="list-style-type: none"> <li>• Providing input into study related materials such as clinical operations plan, SOPs, CRF completion guidelines, training module, informed consent, site instructions for specimen collections, study logs/ forms and other study related documents.</li> <li>• Assisting the Clinical Research Coordinator (CRC) and site investigators for the site preparation.</li> <li>• Supervising the study nurses and the clinical technicians posted at the hospital site: including their attendance, punctuality, completion of tasks/ activities assigned to them, training.</li> <li>• Supervision of process of taking written informed consent.</li> <li>• Supervision of ensuring eligibility of infants before they are enrolled in study.</li> <li>• Supervision of assigning the correct randomization code/ intervention to the newly enrolled infant.</li> <li>• Supervision of outcome assessment.</li> <li>• Final review of the CRF and the signing of the CRF (as a part of QC).</li> <li>• Tracking the reports of all the laboratory samples collected for standard clinical care for 'clinical severe infection.</li> <li>• Tracking the collection, immediate processing, temporary storage and transportation of bio specimens collected for the research study.</li> <li>• Supervising flow of clinical and lab data from point of collection to data management centre.</li> <li>• Reviewing participant recruitment, protocol deviations, loss to follow up for hospital site performance.</li> <li>• Providing input and support to maintain appropriate documentation for adverse event safety monitoring.</li> <li>• Responsible for all logs (calibration, equipment maintenance, training, etc), registers (all enrolments, scheduled follow up registers), documents and site file (updated protocol, informed consent document, eCRF and paper CRFs, all relevant permissions).</li> <li>• Responsible for intervention at site-stock, storage at appropriate temperature.</li> <li>• Liasoning with the QM team to ensure good quality of study data.</li> <li>• Providing support to CRC and site investigators to prepare for clinical audits</li> </ul>
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<b>05.</b>	<p><b>Project Researcher</b></p> <p><b>Project code: (01)</b></p> <p><b>Two positions</b></p> <p>Upto Rs.55,000/-</p> <p>30 Years (Research Position)</p>	<p>Post Graduate Degree in Life Sciences/ Biological Sciences with minimum 1 year of research experience.</p> <p style="text-align: center;"><b>OR</b></p> <p>B. Tech/ B.E. or equivalent with minimum 1 year of experience on liquid handling workstation and excel macros.</p>	<p>Candidates having experience in Hybridoma, diagnostic development, lateral flow assay, ELISA, monoclonal antibody generation, phage display, recombinant protein production, Pichia pastoris expression system, automation (liquid handling workstation), MS excel macros, etc. will be preferred.</p>
<b>06.</b>	<p><b>Senior Technical Assistant</b></p> <p><b>Project Code: (01)</b></p> <p><b>One position</b></p> <p>Upto Rs.42,000/-</p> <p>30 Years (Technical Position)</p>	<p>Post Graduate Degree in Life Sciences/ Biological Sciences with minimum 1 year of experience in Laboratory.</p> <p style="text-align: center;"><b>OR</b></p> <p>Graduate Degree in Life Sciences/ Biological Sciences with minimum 3 years of experience in Laboratory.</p>	<p>Candidates having experience in routine buffer preparation, stock preparation, DNA electrophoresis, PAGE, PCR, molecular cloning, media preparation, agar plate preparation etc. will be preferred.</p> <p><b>Additional Skills:</b> Experience in Hybridoma, diagnostic development, lateral flow assay, ELISA, monoclonal antibody generation, phage display, recombinant protein production, Pichia pastoris expression system, automation (liquid handling workstation), etc.</p>
<b>07.</b>	<p><b>Junior Research Fellow</b></p> <p><b>Project code: (04)</b></p> <p><b>One position</b></p> <p>Rs.25,000/- + HRA (For NET/ GATE/ Post Graduate Professional Degree Holders)</p> <p>Rs.16,000/- + HRA (For others)</p>	<p>Post-Graduate Degree in Life Sciences/ Biological Sciences having experience of working with human pathogens, culturing the cell lines and familiarity with basic molecular and cell biology techniques.</p>	<p>Candidates having experience in Bacteriology and Cell Biology with sound knowledge of handling cell lines and routine molecular biology techniques will be preferred.</p>

- h) Interested candidates fulfilling the criteria as mentioned in paragraph (g), may walk-in for interview as per the schedule mentioned below:

S. No.	Name of the post	Project Code	Date for walk-in-interview	Registration time and Venue
1.	Project cum Grant Manager	01	6 <sup>th</sup> June 2017	09.30 am - 10.30 am THSTI, NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurgaon Expressway, Faridabad – 121001
2.	Senior Project Researcher	01	7 <sup>th</sup> June 2017	
3.	Project Manager	02	5 <sup>th</sup> June 2017	
4.	Senior Research Officer	03	12 <sup>th</sup> June 2017	
5.	Project Researcher	01	8 <sup>th</sup> June 2017	
6.	Senior Technical Assistant	01	9 <sup>th</sup> June 2017	
7.	Junior Research Fellow	04	5 <sup>th</sup> June 2017	

**NOTE: The candidates must bring their latest resume, one set of photocopy of documents in support of their educational qualification and experience along with originals and a valid ID card for verification. Candidates coming after the time slot mentioned will not be entertained.**

**GENERAL TERMS & CONDITIONS:**

- These are short term positions and extension will be granted subject to satisfactory performance of the incumbents. Those appointed to these positions will not have any claim for regularization of their employment.
- All educational, professional and technical qualification should be from a recognized Board/University.
- The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications required for the post.
- Persons working in Govt. / PSUs / autonomous bodies should apply through proper channel or produce a relevant 'No Objection Certificate' at the time of Interview/ written test/ skill test.
- 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.
- Age and other relaxations for direct recruits and departmental candidates: 1. By 5 years for candidates belonging to SC/ST communities. 2. By 3 years for candidates belonging to OBC communities. 3. For Persons with Disabilities (PwD) falling under the following categories : (i) UR - 10 years, ii) OBC - 13 years (iii) SC/ST - 15 years 4. 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. 5. Relaxation of 5 years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the State of Jammu and Kashmir during the period from 01/01/1980 to 31 /12/1989 subject to production of relevant certificate from concerned authority. 6. Age is relaxable for Government servants up to 5 years in accordance with the instructions or orders issued by the Central Government, from time to time 7. There is no upper age limit for the Institute employees who are treated as departmental candidates.

7. Number of positions may vary depending upon the requirement at the time of interview/skill test/ written test.
8. Outstation SC/ST/ PwD candidates called for the interview/skill test/ skill test will be paid to & fro second class railway fare, as per Govt. of India rules on production of the proof of the same.
9. Positions will be initially based either in the THSTI's laboratories at Faridabad or at the clinical sites in Gurgaon/ New Delhi.
10. All results will be published on our website and all communications will be only through email.
11. Canvassing in any form will be a disqualification.