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 – Gurgaon Expressway, P.O. Box No. 04, Faridabad - 121001

# RECRUITMENT NOTICE NO. : THS/RN/12/2017

## 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 PBC and CBD.

d) 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 projects under PBC are as below:

| Project code | Project Name | Project Details |
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| **(01)** | **Zinc as an adjunct for the treatment of very severe disease in infants younger than two months** | 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 CISMAC (Centre for Intervention Sciences in Maternal & Child Health), Norway.<br>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.<br><br>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 |

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| | | severe infection will be enrolled, given intervention for 14 days and followed up till discharge and until 12 weeks from the day of enrolment.<br><br>This recruitment is for study implementation at the 4 Delhi hospital sites:<br>i. VMMC & Safdarjung hospital<br>ii. Maulana Azad Medical College & associated Lok Nayak hospital<br>iii. Chacha Nehru Bal Chikitsalaya<br>iv. Kasturba Hospital |
| **(02)** | **Validation of a metabolite panel for postnatal assessment of gestational age on cord blood and neonate heel dried blood spot in low and middle-income resource settings in India** | The project aims to validate a metabolite panel for postnatal assessment of gestational age on cord blood and neonate heel dried blood spot in low and middle-income resource settings in India. An already existing prediction algorithm based on a panel of 10 analyses to accurately classify gestational age in new-borns within 1, 2, 3, 4 weeks of gestation in low and medium resource settings in India on cord blood and neonatal heel prick dried blood spot samples taken within 24-72 hours of birth will be tested using tandem mass spectrometry. |
| **(03)** | **Profiling of placental physiologic signature during pregnancy in the maternal liquid biopsies** | This project aims to determine the placental exosome signatures after isolation of the placenta/ placental membrane specific exosomes from 1$^{st}$, 2$^{nd}$ and 3$^{rd}$ trimester and term or spontaneous preterm labor maternal plasma. miRNA and protein profiles followed by bioinformatics analysis will evaluate the changes in exosome cargo between the two groups. |

e) 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, microfluidics, 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. The details of the project under CBD is as below:

| Project code | Project Name | Project Details |
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| **(04)** | **Differential diagnosis of bacterial pneumonia and their antibiotic resistance** | The project aims to identify and evaluate diagnostic targets of invasive bacterial pneumonia. The study involves a small cohort based at three Delhi-NCR hospitals. It is a multi-disciplinary study exploring omics profiling of diagnostic markers from direct patient samples and identifying lead targets based on comparison to a composite reference standard. Further evaluation of drug resistance genetic markers and multiplex assay development for differential diagnosis of pneumonia will be carried out. The study will integrate clinical data with exploratory lab research to define pathogenic markers of invasive pneumonia for diagnostic development. |

f) 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 | Job Description |
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| **01.** | **Clinical Research Coordinator**<br><br>**Project Code: (02)**<br><br>**One Position**<br><br>Upto Rs. 1,14,518/-<br><br>45 years (Research Position) | MD/ DNB (preferably in Paediatrics) from an accredited Indian University/ MCI with minimum 3 years' of relevant experience.<br><br>**OR**<br><br>DCG in Paediatrics from an accredited Indian University/ MCI with minimum 4 years' of relevant experience.<br><br>**OR**<br><br>MBBS from an accredited Indian University/ MCI with minimum 6 years' of relevant experience.<br><br>**OR**<br><br>MBBS + MPH from an accredited Indian University/ MCI with minimum 4 years' of relevant experience.<br><br>**Skills:**<br>• Ability to gain trust and confidence with stakeholders.<br>• Operational skills including focus and commitment to quality management and problem solving.<br>• Influencing skills including negotiation and teamwork.<br>• Effective communication skills, the provision of timely and accurate information to stakeholders.<br>• Understanding of GCP, regulations and guidelines.<br>• Excellent computer skills (MS word, excel, internet). | Incumbent will lead the study team and will be primary point of contact for all study management related aspects. He/ she will be the primary pint of contact for all study management related aspects. He/ she will be the primary link between the coordination unit and study investigators. Incumbent will have an oversight responsibility for activities undertaken by site coordination unit of the study.<br><br>**Incumbent will be responsible for the following:**<br>• Providing input into and/ or developing study related materials such as clinical operations manual, SOPS, CRF completion guidelines, informed consent, study logs/ forms and other study related documents.<br>• Supporting the submissions for relevant government/ ethics approvals.<br>• Developing training module and planning the initial and retraining sessions for the research study staff along with the site supervisors (Research Officers) who will be medical doctors.<br>• Contribute through operational inputs in protocol and study budget related decisions; structuring and supervising compliance for the study management plans; ensuring compliance with the project requirements and cascading the issues/ updates to the relevant stakeholders.<br>• Supervising the site preparation, study implementation at site and ongoing study and QC activities.<br>• Reviewing protocol deviations and loss to follow up to ensure quality data is delivered.<br>• Structuring and supervising compliance for the study management plans; ensuring compliance with the project requirements and cascading the issues/ updates to the relevant stakeholders.<br>• Supervising the site preparation, study implementation at site and ongoing study and QC activities.<br>• Communicating with SROs and ROs and site investigator for tracking participant recruitment and progress to study timelines; maintaining and reporting metrics for clinical site performance.<br>• Liasoning with the QM team to ensure good quality of study data. |

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| | | • Ability to develop and implement clinical research monitoring plans, SOPs, database concepts, and formats. | • Liasoning with QM and DM team and timely resolution of queries in the collected data.<br>• Providing support to site team to prepare for clinical audits and to respond to audit findings conducted by internal QA and external agencies.<br>• Work with coordinating PI to ensure that the study is meeting its targets, is producing meaningful output and to predict and plan any changes that warrant requests to changes in protocol, funding, or timelines.<br>• Keeping stakeholders informed on study progress, risks and accomplishments.<br><br>*The Clinical Research Coordinator will be based at the site hospital and referral hospital but will have to make visits to the coordinating centre at THSTI.* |
| **02.** | **Senior Research Officer**<br><br>**Project Code: (01)**<br><br>**One Position**<br><br>Upto Rs. 80,000/-<br><br>45 years (Research Position) | MD/ DNC (preferably in Paediatrics) from an accredited Indian University/ MCI with minimum 2 years' of relevant experience.<br><br>**OR**<br><br>DCH in Paediatrics from an accredited Indian University/ MCI with minimum 3 years' of relevant experience.<br><br>**OR**<br><br>MBBS from an accredited Indian University/ MCI with minimum 5 years' of experience in Paediatrics.<br><br>**OR**<br><br>MBBS + MPH from an accredited Indian University/ MCI with minimum 3 years' of experience in Paediatrics. | 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 supervison at the site.<br><br>**Incumbent will be responsible for the following:**<br>• 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.<br>• 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.<br>• Assisting the Clinical Research Coordinator (CRC) and site investigators for the site preparation.<br>• 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.<br>• Supervision of process of taking written informed consent.<br>• Supervision of ensuring eligibility of infants before they are enrolled in study.<br>• Supervision of assigning the correct randomization code/ intervention to the newly enrolled infant.<br>• Supervision of outcome assessment.<br>• Final review of the CRF and the signing of the CRF (as a part of QC).<br>• Tracking the reports of all the laboratory samples collected for standard clinical care for 'clinical severe infection.<br>• Tracking the collection, immediate processing, temporary storage and transportation of bio specimens collected for the research study.<br>• Supervising flow of clinical and lab data from point of collection to data management centre.<br>• Reviewing participant recruitment, protocol deviations, loss to follow up for hospital site performance. |

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| | | | • Providing input and support to maintain appropriate documentation for adverse event safety monitoring.<br>• 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).<br>• Responsible for intervention at site-stock, storage at appropriate temperature.<br>• Liasoning with the QM team to ensure good quality of study data.<br>• Providing support to CRC and site investigators to prepare for clinical audits and to respond to audit findings conducted by internal QA and external agencies.<br>• Liasoning with QM and DM team and timely resolution of queries in data collected.<br>• Keeping site investigators informed on rate of enrolment at site, daily status of all enrolled infants, study progress, risks and accomplishments, any operational problems being faced which are impeding smooth conduct of study.<br><br>*The Senior Research Officer will be based at one of the 4 hospital sites in Delhi.* |
| **03.** | **Research Officer – I (Medical)**<br><br>**Project code: (04)**<br><br>**One position**<br><br>Upto Rs.66,250/-<br><br>30 Years (Research Position) | DNB from an accredited Indian University/ MCI.<br><br>**OR**<br><br>MBBS from an accredited Indian University/ MCI with 3 years' of experience in Paediatrics. | **Incumbent will be responsible for the following:**<br>• Evaluating the clinical symptoms.<br>• Enrolling the patients.<br>• Obtaining the written consents.<br>• Coordinating for all the radiological and microbiological lab testing<br>• Collecting the samples of the patients. |
| **04.** | **Senior Study Nurse**<br><br>**Project code: (02)**<br><br>**One position**<br><br>Upto Rs.41,728/-<br><br>30 Years (Research Position) | Standard 12 and Diploma in Nursing & Midwifery + Registration as "A" Grade Nurse with minimum 5 years' of experience in OBGY or clinical research.<br><br>**OR**<br><br>B.Sc. Nursing with minimum 4 years' of experience in OBGY or clinical research.<br><br>**OR**<br><br>Nursing "A" Certificate with minimum 3 years' of working experience and minimum 5 years' of experience in OBGY or clinical research.<br><br>**OR**<br><br>Nursing Assistant Class III and above from the Armed Forces | Incumbent will lead a team of Study Nurses and will supervise the operational and technical aspects of implementation of the study specific clinical data collection and sample collection procedure. Incumbent will have an oversight responsibility for clinical data collection and sample collection activities undertaken at the hospital site and its referral hospital.<br><br>**The incumbent will be responsible for the following:**<br>• Developing training module for the clinical data collection, taking written informed consent procedures and planning the initial and retraining sessions for the research study staff along with the research officers and senior research officers.<br>• Supervising the site preparation, implementation of clinical data colletion procedures at site and QC of clinical activities.<br>• Developing a format for monthly reporting of site performance, including the QC measures observed; any deviation in protocol.<br>• Keeping stakeholders informed on clinical team performance; risks and accomplishments.<br>• Liasoning with the QM team to ensure good quality of data.<br>• Supervising proper documentation practices. |

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| | | with minimum 4 years of experience in OBGY or clinical research.<br><br>*Candidates having experience in OBGY or neonatology will be recruited at higher remuneration* | • Ensuring quality in the procedures of clinical data collection, taking written informed consent, sample collection.<br>• Providing support to site team to prepare for audits and to respond to audit findings conducted by internal QA and external agencies.<br><br>*The Senior Study Nurse will be based at one of the 2 hospital sites but will have to make visits to the other site.* |
| **05.** | **Technical Assistant**<br><br>**Project code: (02)**<br><br>**Two positions**<br><br>Upto Rs.36,696/-<br><br>30 Years (Technical Position) | Degree/ Diploma in Clinical Research/ Diploma in MLT from recognized University with minimum 3 years' of experience in clinical research.<br><br>**OR**<br><br>Standard 12 with minimum 5 years' of experience in clinical research.<br><br>**Desirable:**<br>Candidates having experience in Lab or clinical work will be preferred. | **The incumbent will be responsible for the following:**<br>• Handling and supervising the samples collection, small equipment at THSTI and the clinical site.<br>• Immediate processing and preparation of samples at the clinical site for use in downstream genomic and proteomic studies and biochemical analyses.<br>• Should have experience with maintaining compliance with clinical research protocols, and maintaining quality standards. |
| **06.** | **Study Nurse**<br><br>**Project code: (03)**<br><br>**One position**<br><br>Upto Rs.30,000/-<br><br>30 Years (Research Position) | Standard 12 and Diploma in Nursing & Midwifery + Registration as "A" Grade Nurse.<br><br>**OR**<br><br>B.Sc. Nursing.<br><br>**OR**<br><br>Nursing "A" Certificate with minimum 3 years' of relevant experience in Hospital.<br><br>**OR**<br><br>Nursing Assistant Class III and above from the Armed Forces.<br><br>**Desirable:**<br>Candidates having experience in Paediatrics and/ or Gynaecology will be preferred. | **The incumbent will be responsible for the following:**<br>• Taking the written informed consent.<br>• Collecting the data on all the relevant clinical examination.<br>• Completing the case repost forms (CRF).<br>• Collecting bio specimens for the study at the pre-specified time points.<br>• Scheduling the follow up visit dates of the enrolled infant at discharge.<br><br>*The Study Nurse will be based at one of the 2 hospital sites.* |

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| **07.** | **Lab Technician**<br>**Project code: (03)**<br>**Four positions**<br>Upto Rs.20,000/-<br>30 Years (Technical Position) | Standard 10 with minimum 4 years' of experience in clinical research.<br>**OR**<br>Standard 12 with minimum 2 years' of experience in clinical research/ clinical field work.<br>**OR**<br>Degree/ Diploma in MLT.<br>**OR**<br>Degree/ Diploma in clinical research.<br>**Desirable:**<br>Candidates having lab experience in Hospital.<br>*Candidates having experience in research/ new-born nursery/ NICU will be recruited at higher remuneration.* | **The incumbent will be responsible for the following:**<br>• Assisting the Study Nurse in collecting bio specimens of the enrolled participant.<br>• Immediate processing and temporary storage of collected bio specimens.<br>• Maintaining laboratory records in the CRF.<br>• Transportation of all laboratory samples to hospital site side lab or to the central storage facility at THSTI.<br>• Making a home visit to the enrolled participant's house for the data collection if the need arises.<br>*The technician will be based at the central laboratory & coordinating centre at THSTI or at Gurgaon Civil Hospital.* |
| **08.** | **Lab Technician**<br>**Project code: (04)**<br>**One position**<br>Upto Rs.18,000/-<br>30 Years (Technical Position) | Standard 12$^{th}$ with Science as a subject + DMLT with minimum 3 years' of experience in laboratory.<br>**OR**<br>B.Sc. in Life Science with minimum 1 year of experience in laboratory. | **The incumbent will be responsible for the following:**<br>• Performing routine lab work like buffer preparation, reagent preparation, inventory management, stock procurement, etc.<br>• Helping the team in performing lab based assays and thereafter analysis. |
| **09.** | **Junior Nurse**<br>**Project code: (04)**<br>**Two positions**<br>Upto Rs.18,000/-<br>30 Years (Research Position) | Standard 10 with Science as a subject + Certificate/ Diploma in ANM with minimum 5 years' of relevant experience. | The incumbent will be helping the clinician co-investigators and research officer at different sites in patient's enrolment, management and sample collection. |
| **10.** | **Lab Attendant**<br>**Project code: (04)**<br>**One position**<br>Upto Rs.15,800/-<br>30 Years (Technical Position) | Standard 10 with minimum 2 years' of experience in laboratory. | The incumbent will be performing routine sample and document transport between different sites. |

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

| S. No. | Name of the post | Project Code | Date for walk-in-interview/ written test/ skill test | Registration time and Venue |
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| 1. | Clinical Research Coordinator | 02 | 11th May 2017 | 09.30 am - 10.30 am<br><br>THSTI, NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurgaon Expressway, Faridabad – 121001 |
| 2. | Senior Research Officer | 01 | 11th May 2017 | |
| 3. | Research Officer – I (Medical) | 04 | 24th May 2017 | |
| 4. | Senior Study Nurse | 02 | 11th May 2017 | |
| 5. | Technical Assistant | 02 | 16th May 2017 | |
| 6. | Study Nurse | 03 | 15th May 2017 | |
| 7. | Lab Technician | 03 | 16th May 2017 | |
| 8. | Lab Technician | 04 | 24th May 2017 | |
| 9. | Junior Nurse | 04 | 24th May 2017 | |
| 10. | Lab Attendant | 04 | 24th May 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:**

1. 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.

2. All educational, professional and technical qualification should be from a recognized Board/University.

3. The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications required for the post.

4. 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.

5. 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.

6. 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.