

**Institute of Trans-Disciplinary Health Sciences and Technology –  
(Trans-Disciplinary University) – ITD-HST**

74/2, Jarakbande Kaval, Post Attur, Via Yelahanka, Bengaluru 560 106  
Ph: 2856 8000, 2856 9761, e-mail: info@frlht.org/www.tdu.edu.in

Advt 1: TDU/SLS/29 October 2015

Date: 2 November 2015

**Organization**

The Foundation for Revitalisation of Local Health Traditions (FRLHT) is a public trust and a non-government organization that is based in Bengaluru, India. The vision of the organization is 'Revitalization of Indian Medical Heritage' through creative application of contemporary sciences and technology. FRLHT also works to restore the oral health traditions rooted in the community, in order to strengthen self-reliance in rural and urban households.

In 2013, FRLHT created a Private University that was legislated by the state of Karnataka, named the Institute of Trans-Disciplinary Health Sciences and Technology, in short known as the Trans-disciplinary University (TDU) ([www.tdu.edu.in](http://www.tdu.edu.in)). TDU was created with an objective of scaling up the research, education and outreach potential of FRLHT.

**Project background:** 2.2 million people die of diarrhoea, most of whom are children under the age of five from developing countries. Drinking water that is contaminated with certain faecal bacteria and viruses causes infectious diarrhoea. This can be prevented by providing safe drinking water. FRLHT-TDU has developed and standardized a low-cost drinking water purification device that can kill the pathogens. The current project phase requires development of sustainable model(s) to manufacture and distribute the water purification device to the target population in India. Simultaneously research into the Science and Technology of the device would be undertaken for a better health impact.

**Project duration:** 18 months; with a possible extension for another 18 months, depending on the project progress. Consultancies are on milestone based payment.

**Principal Investigator: Dr Padma Venkat**

Sl No.	Job title	Qualification and experience	Skills and competencies
1.	Project co-ordinator (S&T component)	M.Tech./M.S./Ph.D. (Chemistry/Chemical technology) with >10 yrs experience in research – nanomaterials, electroplating, productization of lab products.	Good communication skills, planning and execution; project management; publishing in research journals; demonstrated ability in translation of products to field and customer orientation required. Experience in working with metals and know-how of patenting process would be desirable. Travel would be involved.
2.	Microbiologist/ Biotechnologist (2)	M.Sc./M.Tech.; 1–2 yrs experience in Microbiology/ Molecular Biology lab techniques, willingness to travel to collect samples, work overnight experiments; experience in water quality assessment desirable.	Knowledge of word, excel, PPT, etc. essential; experience in SPSS, Epiinfo and research publications desirable.
3.	Public Health Researcher	M.Sc./Ph.D. (Public Health/ Sociology) with 2–3 yrs experience in field research	Working knowledge in statistics application; MS-office; Epiinfo, SPSS (or other similar) is essential. Experience in WASH and awareness creation among communities would be an advantage. Team player, co-ordinating and collaborating with partners and components; ability to work with communities and health workers; writing and publishing papers.

Please write to [padma.venkat@frlht.org](mailto:padma.venkat@frlht.org) with a CV highlighting your qualifications, skills and competencies that would be pertinent to the job before **18 November 2015**. Please cite the serial no. and the job title for which you are applying in your covering letter.