SATHI FOUNDATION-BITS PILANI

Position: Project Associate II – Pharmacological Instrumentation (CD spectrometer, nanoparticle tracking analyzer and *In-vivo* Imaging system

Location: BITS Pilani, Pilani Campus

Contract: 2 years' expansion depending on performance and funding

Salary: Annual CTC up to INR 4.8-5.4 lakhs (depending on qualification/experience/ suitability)

Reporting to: COO/ Head/ Associate Head

About SATHI FOUNDATION-BITS PILANI

The SATHI FOUNDATION-BITS PILANI (henceforth "The Foundation") is a Section 8 nonprofit company hosted by BITS Pilani under the Sophisticated Analytical & Technical Help Institutes (SATHI) Scheme of Department of Science and Technology, Government of India (GOI). The mandate of the company is to create a National Facility with major analytical instruments and further provide shared, professionally managed services and strong Science and Technology infrastructure/facilities, with efficiency, accessibility, and transparency of the highest order under one roof to service the demands of faculty, researchers, scientist, and students of host and user institutes/organizations (including other academic institutes, universities, national laboratories, start-ups, manufacturing and engineering industries, SME's, R&D Labs) to enable them to carry out R&D activities on a round the clock basis with minimum downtime. The primary aim is to build state-of-the-art national facilities at BITS Pilani, Pilani Campus, extending support to researchers, innovators, and startups building products and solutions.

The context and the role: The Foundation was established in 2024, and the foundation aims to become a catalyst for the next wave of IoT based smart electronic devices, prototyping, biotechnology, and healthcare startups in India while also meeting the diverse needs of researchers in various scientific and engineering domains. Ultimately, the collective efforts of the foundation aspire to contribute to the betterment of society. The executive team is being built, and the Foundation is hosted by BITS Pilani, Pilani Campus and is connected to top researchers in the BITS network and beyond.

The job role required motivated and skilled project associate who will support day-to-day operation, maintenance, and data analysis for **Circular Dichroism (CD) Spectroscopy**, **Nanoparticle Tracking Analysis**, and ***In-Vivo* Optical Imaging Systems (IVIS imaging system)**. The role involves optimal instrument performance, high-quality data output, and maintenance of biosafety and facility guidelines.

Key Responsibilities

- Operate CD Spectrometer, NTA system, and *In-Vivo* Imaging (fluorescence and micro CT) platforms for internal and external user.

- Help users on sample preparation, method setup, and experiment planning.
- Help in data acquisition using CD spectroscopy in the domain of protein folding, secondary structure analysis, thermal denaturation and more.
- Perform nanoparticle sizing, concentration measurement, and video-based particle tracking analysis using NTA.
- Experience in animal handling and follow IAEC (Institutional Animal Ethics Committee) norms.
- Assist in SOP preparation, data interpretation and basic analysis using instrument-associated software.
- Support operation of additional instruments and perform other foundation-related tasks as assigned, depending on workload and institutional needs

Required Qualifications:

- **(MVSc)/M.Sc. in Life Sciences / Biotechnology / Biochemistry / Pharmacology, or related fields**

Desirable experience:

- 2 years of hands-on experience in a research facility or instrumentation lab is desirable.
- Experience with multi-user facility management is an added advantage.

How to Apply & submission of application:

• Please send your latest CV (not exceeding 3 pages) latest by 17:00 hrs Indian Standard Time (IST) by 17th December.

Please mention the position as a subject of the email.

• Please send the details to: sathi@bits-pilani.ac.in