SATHI FOUNDATION-BITS PILANI

Position: Project Associate II – Light Sheet Fluorescence Microscopy (LSFM) and Lattice Structured Illumination Microscopy (Lattice SIM)

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 the operation, maintenance, and data management for **Light Sheet Fluorescence Microscopy (LSFM)** and **Lattice Structured Illumination Microscopy (Lattice SIM)** systems. The role involves instrument performance maintenance, assisting researchers, and maintaining high-quality imaging within the facility.

Key Responsibilities

- Operate Light Sheet and Lattice SIM microscopes for internal and external users.
- Assist researchers in sample preparation, experimental planning and imaging.

- Monitor laser performance, optics alignment, environmental controls, and imaging stability.
- Regular maintenance of LSFM & Lattice SIM microscopes including their calibration.
- Support users in image processing, reconstruction and basic analysis using software
- Prepare SOPs, equipment logs, and ensure adherence to facility safety protocols (laser safety, and biosafety guidelines).
- Support operation of additional instruments and perform other foundation-related tasks as assigned, depending on workload and institutional needs

Minimum Required Qualifications:

- **M.Sc. in Life Sciences / Biotechnology / Biophysics / Bioengineering, or related field.**

Desirable experience:

- 2 years' hands-on experience in microscopy facility/ imaging lab is desirable.
- Experience in handling multi-user scientific equipment is an advantage.
- Familiarity with laboratory safety, laser safety, and biosafety requirements.

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