

Research Position available in MHRD-STAR project:

Applications are invited from suitable candidates for a Research Associate-1 position in the Department of Biological Sciences, Indian Institute for Science Education and Research Kolkata in the project, “Integrating metabolic and protein engineering for the production of sustainable biofuels,” a collaborative project between the labs of Supratim Datta and Rahul Das and funded by the Scheme for Transformational and Advanced Research in Sciences (STARS) by MHRD, Govt of India. Remuneration is per funding agency norms.

Brief description: This project involves understanding the enzymes that catalyze the conversion of fatty acids to drop-in biofuels for combustion engines.

We will mainly study how the enzymes function such that we can import them into genetically engineered microorganisms, which can then produce biofuels. The project involves the use of a combination of enzyme engineering, biochemical and biophysical characterization, structural and computational biology, high-throughput screening, and genomic and proteomic discovery to identify enzyme targets.

Duration: Initial appointment will be made for 6 months and upon satisfactory performance extendable on a yearly basis for the duration of the project.

Essential qualification: MSc in Biological Sciences etc, and qualification in a national level examinations and will be as per terms and conditions laid down by MoE. The ability to develop and implement plans for complex experiments, strong problem-solving skills, and a commitment to excellence in research. Experience in molecular biology, synthetic biology, protein engineering would be preferred.

How to Apply: Applications should contain a detailed CV and brief one-page description of research conducted to date and a one-page statement of purpose detailing the motivation for working in our laboratory. Applications should be sent by email to Supratim Datta at the following email address: supratim@iiserkol.ac.in Applications will remain open until September 22, 2023. In person interviews to be held around the last week of September 2023.