



VACANCY NOTICE: ICGEB Biofoundry, New Delhi

Research Associate and Junior/Senior Research Fellow Positions

Multiple research positions are available at the ICGEB Biofoundry, New Delhi. The positions are available for **9 months**. Please note that these are temporary project positions with a duration of only the tenure of the sanctioned project. The salary will be as per DST norms, based on qualification and experience.

Position 1: Research Associate (Computational Biology)

- **Role in Project:** Computational Biology
- **Job Description:**
 - **Model Development:** Build and optimise machine learning models to predict stabilizing mutations and guide enzyme engineering.
 - **Pipeline Automation:** Develop computational workflows to process high-throughput screening, sequence, and structural datasets.
 - **DBTL Integration:** Collaborate closely with wet-lab scientists to close the Design-Build-Test-Learn loop and refine enzyme performance iteratively.
 - **Tool & Data Management:** Build internal software tools, maintain enzyme variant databases, and present findings to project stakeholders.
- **Essential Qualifications:**
 - PhD in Bioinformatics, Computational Biology, Systems Biology, Computer Science, or a related field.
 - Strong programming skills (Python, R, or equivalent).
 - Familiarity with synthetic biology concepts and genome engineering.
 - Excellent communication and collaboration skills.
 - Publications in the above-mentioned experience areas.
- **Desirable Qualifications:**
 - Experience working in synthetic protein design or bioprocess optimisation.
 - Experience working in a High-Performance Computing (HPC) environment.

Position 2: Research Associate (Enzyme Engineering)

- **Role in Project:** AI/ML-guided Enzyme Engineering

- **Job Description:**

We are looking for a driven researcher to lead the engineering and optimisation of enzymes. In this role, you will execute lab workflows to improve enzyme performance while ensuring they remain highly accurate and efficient. Additionally, you will be responsible for tracking your results and preparing detailed progress reports for our funding partners.

- **Qualifications:**

- PhD in Biotechnology or a related area.
- Familiarity with synthetic biology concepts and genome engineering.
- Excellent communication and collaboration skills.
- Publications in the above-mentioned experience areas.

Position 3: Junior/Senior Research Fellow

- **Role in Project:** Assistance to Research Associate for Enzyme Engineering
- **Job Description:**

The selected candidate will provide direct technical assistance in constructing, expressing, and screening candidate enzyme variants. Responsibilities include executing laboratory workflows, developing high-throughput screening assays for enzyme activity, and validating top-performing variants in application-specific assays.

- **Qualifications:**

- M.Sc. in Biotechnology or a related area.

Application Procedure

- **Submission:** Interested candidates should email their latest curriculum vitae and cover letters with a detailed description of their scientific experience.
- **Requirements:** The cover letter must explicitly mention pertinent skills.
- **Addressing:** Please send applications to **icgeb.biofoundry@gmail.com**, with the subject line formatted as: *"Application for [Insert Position] in ICGEB Biofoundry"*.
- **Selection:** Only short-listed candidates will be contacted for an interview.
- **Deadline:** Closing date for applications: **20.09.2026**.