

**Job Title:** Research Assistant

**Qualification:** M.Sc. Microbiology / Molecular Biology or B.Tech / Biotechnology or B.E. Biotechnology /MTech

**Experience:** 2 - 4 years

**Location:** Bengaluru

**Duties and responsibilities:**

- Set-up and execute experiments for the purification of proteins and also biochemical assays
- Set-up and execute the basic microbiology protocols needed for the above experimental setup
- Understand the project requirements as specified by the client
- Understand reaction parameters from supervisor/ manager
- Comprehend and discuss the MSDS (Material Safety Data Sheet) with supervisor/ team members
- Identify and mitigate any potential safety risk with the help of supervisor
- Plan and execute reactions with proper reagents and equipment (glassware, stirrers, vacuum pumps etc.), maintaining specified conditions (temperature, pressure etc.), with optimum usage and minimum wastage
- Ensure parallel execution of multiple reactions
- Monitor progress of the reactions by using standard methods and analytical techniques
- Identify and execute appropriate workup and purification technique to produce an intermediate/ final compound of desired quality
- Analyse and interpret analytical data results and report to supervisor/manager
- Meet productivity benchmarks as per project timelines
- Ensure safety at work through enforcement of good laboratory practices:
- Follow safety protocols and guidelines in the labs
- Maintenance and usage of equipment/apparatus/instruments as per SOPs

- Maintain records, data integrity and IP confidentiality:
- Document reactions, research findings/ observations accurately in lab note books as per client requirements/ LNB SOP to ensure data integrity
- Maintain strict IP Confidentiality and adhere to all related policies
- Compile required experimental data to prepare final reports
- Ensure skill development of self:
  - Improve knowledge of Molecular Biology techniques, Microbiology, Biochemistry and Analytical techniques etc

Core skills required:

- Research, Validation, HPLC techniques, Protein purification, basic microbiology, basic molecular biology, documentation, analytical techniques, reagent preparation
- 2-4 years' experience including their internship in a biology lab

Additional Skills:

- Have a good understanding of basic enzymology and protein engineering.

Please mail in your CVs to : [shilpa.ramdurg@quantumzyme.com](mailto:shilpa.ramdurg@quantumzyme.com)