

Job Description:

The Ignea research lab, specialized in Synthetic Biology, is seeking to hire a full time Lab Manager to assist in related research, such as production of high value compounds in yeast and the development of synthetic biology and metabolic engineering advanced approaches for this purpose. This research involves experimental work including cloning, strain engineering, metabolite extraction and chemical analysis, protein expression and purification, and enzymatic assays, among other procedures.

Main Responsibilities

- Implement and enforce EHS safety guidelines to ensure safety.
- Set up experiments according to provided protocols or develop protocols; suggest optimizations and recommendations.
- Assist other junior researchers to ensure smooth execution of experiments and projects
- Maintain records, compile, and file data.
- Assist junior new lab members on equipment usage and safety procedures
- Assist in purchasing equipment and supplies and keep track of lab purchases and needs.
- Oversee installation, maintenance, and operation of equipment and lab-related furniture and equipment.
- Monitor and oversee laboratory budgets, prepare reports, work with vendors, and maintain accurate records.
- Prepare and set up materials and equipment using established protocols for a variety of assays, analyses, and tests in preparation for teaching labs.
- Maintain smooth daily operations of instructional laboratories
- Contribute to grant writing and manuscript

Required Qualifications:

- Master's degree in a relevant scientific field
- Strong background in molecular biology and synthetic biology techniques
- Minimum 2 years of experience in a research laboratory setting, preferably in a relevant discipline.
- Proficiency in molecular biology techniques (e.g., PCR, cloning, DNA assembly)
- Experience with microbial cultivation and genetic engineering
- Strong organizational and time management skills
- Excellent communication and interpersonal skills
- Ability to work independently and as part of a team
- Excellent command of English; proficiency in French is a plus.
- Familiarity with lab safety regulations and best practices