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FY24 Summer Intern – Position Description

About Låkril Technologies Corporation

Låkril Tech is a technology startup on a mission to catalyze sustainability in high volume chemical processes. We are highly focused on the catalytic conversion of sustainably fermented lactic acid to bio-based acrylics. We integrate chemistry and chemical engineering with fermented feedstocks and separation science to bring novel conversion processes to market. In joining our team, you will create the next page of the bio-based economy. Be part of this once-in-a-lifetime opportunity to transform the chemicals industry for a low carbon future.

Job Description:

We are looking for a motivated, hands-on individual interested in Chemical Engineering/Chemistry and Sustainable Technology to support and help build our prototype products in Summer 2024. You will work with technical and cross-functional teams to synthesize and test catalysts to meet and exceed their prototype goals.

Typical Responsibilities

- Perform basic laboratory testing to determine properties of materials.
- Accurately record experimental information and results in a formal laboratory notebook.
- Perform distillation and liquid-liquid extraction in experimental systems.
- Use basic building tools such as wrenches to help install and construct our laboratory.
- Run analytical equipment such as Gas Chromatography to analyze materials.
- Follow and develop step by step procedures to synthesize and scale various inorganic materials.
- Document experimental protocols for reliable data acquisition.
- Follow proper workplace safety during laboratory activities.
- Generate presentation quality documents to illustrate work completed.

Requirements

Preferred Education & Qualifications

- Currently enrolled in a College/University Chemical Engineering or Chemistry program; should have completed Organic Chemistry and or Unit Ops (i.e. Chemical Engineering Lab1)
- Legal authorization to work for Låkril Technologies on your date of hire with no further action required by Låkril Technologies

Results we expect & skills that might be helpful

Results we expect

- Careful and well documented lab work that gives reproducible results
- Summaries of your work for customers and/or management (written reports, presentations)

Skills and attitudes that might be helpful

- Excited to learn new scientific skills and techniques and apply your knowledge
- Desire to be hands on in the lab and pay close attention to detail
- Team player willing to receive and give constructive feedback
- Self-motivated problem solver; driven to get things done and obtain results
- Good communicator, willing to ask questions and suggest improvements
- Excellent writing, oral communication, and presentation skills are encouraged. Thus, a firm knowledge of handling Microsoft templates in Word, Excel, PowerPoint and Visio are very useful
- Knowledge of other languages, cultures, and/or diverse artistic and technical/business talents help us get where we need to go

What we offer:

Come be part of a top-notch research team with a diverse set of skills and backgrounds necessary to commercialize deep technology. Our team is extremely motivated and interdisciplinary and you will have many opportunities to learn and apply new skills. Låkril Technologies strives to be a diverse and inclusive workplace where we can ALL be ourselves. The position is located at our site on the Near West Side of the City of Chicago. At Låkril Tech, we believe in fostering an inclusive environment in which employees feel encouraged to share their unique perspectives, leverage their strengths, and act authentically. We welcome those from all backgrounds and varying experiences.