



Sepion Technologies is an advanced membrane startup dedicated to enabling mass electrification of human mobility and accelerating the transition to 100% renewable energy power by commercializing groundbreaking battery materials. Are you passionate about the energy revolution? Join us to contribute to positive change in a fun, team-oriented environment. More information is available here: <https://www.sepiontechnologies.com>

Position Summary – Cell Engineer: We seek a lithium battery expert and thoughtful experimentalist to lead the collaborative development of energy-dense lithium-metal cells incorporating Sepion's ion-selective membrane products. At Sepion, you will take a hands-on role designing and building lithium metal cells, selecting electrodes, sourcing and pre-treating lithium foils, optimizing electrolyte formulations, discovering membrane-electrolyte synergies, contributing to development of roll-to-roll amenable membrane-lithium lamination processes, communicating with customers to define cell cycling protocols for validation, and executing post-mortem cell analyses. You will work closely with our materials team to evaluate bleeding-edge ion-selective membrane technology and inject your creativity to optimize membrane and electrolyte formulations informed by your analysis of cell performance. Individuals with demonstrated technical excellence as well as strong emotional intelligence are highly sought after. This position is a rare opportunity to be at the forefront growing a materials startup into a flourishing business. Joining our team means committing to a psychologically safe zone where diversity, creative thinking, and constructive criticism thrive in an exciting and dynamic startup environment.

Equal Employment Opportunity: Sepion Technologies is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.

What You Will Do:

- Provide technical direction for the cell building program including pouch cell building, formation optimization, cycling protocols, experimental prioritization, and deliver feedback to guide membrane optimization
- Lead lithium-metal cell engineering, membrane integration, cathode sourcing, electrochemical testing, post-mortem cell analysis, cell cycling data collection, analysis, python script writing, and data archiving efforts
- Develop next-gen electrolyte formulations optimized with Sepion's membranes, Li metal, and standard cathodes
- Effectively communicate with contract manufacturers, joint-development partners, and customers
- Contribute to technical writing of grants, patents, diligence and progress reports

Ideal candidate will have:

- 2+ years' industry experience designing, fabricating, and testing electrochemical cells (pouch cell preferred)
- Ph.D. to B.Sc. with equivalent work experience will be considered
- Background in Li-batteries, electrolyte design, cell cycling, formation and aging, battery materials, DoE
- Demonstrated achievements in cutting-edge cell design, failure analysis, or materials R&D
- Demonstrated ability to effectively interact with a broad range of colleagues
- Excellent written and verbal communication skills

Ideal candidate will have knowledge in or will want to learn:

- Machine learning approaches to accelerate battery materials and electrolyte R&D
- Li-metal surface treatment chemistry and membrane-lithium lamination processes
- Leadership skills (directly responsible for subordinate's professional development and strategic contributions)

Location & Benefits: Oakland, CA. Full-time. Salary and equity options depend on experience. A health care supplement is included. Applications will be screened as received. The position is available immediately.

How to Apply: Send resume to Katie O'Day at info@sepiontechnologies.com with CELL ENGINEER in the heading.