

ADVENT Technologies is an innovation-driven company in the fuel cell and hydrogen technology space. Our vision is to accelerate electrification through advanced materials, components, and next-generation fuel cell technology. Our technology applies to electrification (fuel cells) and energy storage (flow batteries, hydrogen production) markets, and we intend to commercialize it through partnerships with Tier1s, OEMs, and System Integrators. Our customers have already deployed commercial products using our technology.

In order to reach the goal of GHG emissions control and pollution control, the world will need renewable energy but also energy storage solutions, and renewable fuels like hydrogen. Advent's technology addresses the cost problems of hydrogen fuel cells, renewable fuels, hydrogen infrastructure, production, and energy storage.

We have a platform technology based on high temperature operating membranes and electrodes that result in fuel-flexible fuel cells that can generate clean electricity from hydrogen, natural gas, methanol, renewable fuels/biofuels.

Advent Technologies is looking to hire a Chemistry Co-op in Boston, Massachusetts / Charlestown, MA location

We are looking for an Chemistry Co-Op that will assist the Anion-Exchange Membrane Electrolysis team in the identification and characterization of new materials for green hydrogen production to power next-generation fuel cell technologies.

Job responsibilities:

- Catalyst preparation and quality assurance
- Electrode preparation and single-cell testing
- Preparation and refinement of electrode architectures
- Aid in setting up water electrolysis stations in Advent's new facility in Hood Park

Qualifications required:

- At least two years of college-level practical chemistry classes
- A familiarity with the basic concepts of electrochemistry and their associated laboratory techniques is desired but not required

The intern/co-op will gain experience in:

- Inorganic synthesis
- Electrochemical analytical techniques
- Electron microscopy
- Operating electrochemical systems
- X-ray diffraction
- Infrared and Raman spectroscopy

What we offer:

- Collaborative, transparent, and team-oriented culture
- Excellent working environment

If you share this mentality, please send us your bio at careers@advent.energy with the corresponding code: Spring Co-op 2023

If you have experience with several of these competencies, please share a resume that highlights your experience. Advent is growing rapidly and has a start-up culture where high performing employees will enjoy great success. A positive can-do attitude is necessary to thrive in this fast-paced innovation-driven environment, and you must be able to interact with a multidisciplinary team of engineers, chemists, material scientists, and business leaders to positively impact the future of green energy for a brighter tomorrow.

Advent Technologies is an equal opportunity employer and welcomes applications from qualified contributors without regard for race, national origin, gender, gender identity, sexual orientation, protected veteran status, disability, age, or other legally protected status.

For consideration, please forward a resume. Thank you in advance for your interest in Advent Technologies.