

Position Title: Material Quality Specialist  
Reports to: Manager of R&D  
FLSA & Position Status: Exempt – Full Time

Department: R&D  
Date: 20, February 2018

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**Battery Scientist**  
**Pittsburgh, PA**

**ABOUT AQUION ENERGY:**

Aquion Energy is producing a revolutionary battery based on novel ambient-temperature hybrid-ion technology. The Aquion solution offers an advantaged value proposition in nearly all stationary storage use cases; beyond minimized materials and manufacturing costs, the core technology has exceptionally long life, is safe and is environmentally benign. This position offers an unrivaled opportunity to join a well-funded clean technology start-up at a very exciting stage in its development.

**Summary Description:**

The **Battery Scientist** will work under the direction of Director of R&D to develop new materials employed in energy storage devices. The **Battery Scientist** will oversee synthesizing/utilizing novel materials (including electrolytes) for battery applications. Expected duties include but are not limited to materials synthesis R&D, electrochemical battery system design, new battery structure design, support future materials scale-up production. The **Battery Scientist** will cooperate closely with other team members to make progress on next-generation energy storage devices.

**Essential Job Functions:**

- Examine new materials employed in various energy storage devices
- Define protocols and SOPs for electrolyte R&D and production purposes
- Extensive knowledge in electrochemical reactions
- Capability to design experiments and test battery materials
- Capability to collect, evaluate, and present data from equipment
- Capability to identify/troubleshoot the root causes when batteries fail
- Capability to follow safety procedures in the lab/factory

**Qualifications:**

- Expertise on materials synthesis/modification/purification
- Five years or more experience preferred on battery materials R&D
- Advanced degree in Chemistry, Organic Chemistry, Chemical Engineering, Materials Science, Electrochemical Engineering, or equivalent
- Chemistry lab experience
- Familiar with electrochemical cell mechanisms (Li-ion battery/supercapacitor/other batteries)
- Capability to meet OSHA standards for manual lifting guidelines: < 50 lbs.
- Experience with chemical lab safety training
- Experience with three-electrode cell and electrochemical cell tests is a plus
- Experience with Li-ion batteries/supercapacitors R&D is a plus

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**Travel requirements:**

Minimum travel is required. Domestic and International Travel to suppliers and manufacture plant oversea, trade shows and other sites will be required on a variable basis.

**Please submit resume to [jobs@aquion-energy.com](mailto:jobs@aquion-energy.com).  
Mention the title “Battery Scientist” in the subject line.**

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