

**Research Scientist -Chemistry-Johnson Research Group
Massachusetts Institute of Technology (MIT)
Cambridge, MA**

The Research Scientist will direct the operation of a newly installed high-throughput tool for the formulation and testing of polymer electrolyte materials and coordinate these efforts within the broader context of ongoing research in the Johnson group. The mission of this new facility is to generate large experimental datasets that would otherwise be impossible to obtain, leading to the discovery of new polymer electrolyte materials. S/he will join an interdisciplinary team of synthetic chemists, electrochemists, and computational materials scientists. This position also play a significant role in deciding the strategic vision and intellectual direction of the project.

Duties:

- Train students and postdocs in using the equipment.
- Oversees the operations and maintenance of the high throughput tool and glovebox environment.
- Coordinates experiments to be performed on the high-throughput tool.
- Assists with the process optimization for new materials.
- Participate in assessing facility needs and proposal preparation for new equipment acquisition.
- Handle broader organizational tasks within the Johnson group.
- Assist Professor Johnson with group organizational tasks as needed, including grant writing/preparation, manuscript editing, etc.

Qualifications:

- Ph.D. in engineering, chemistry, or related field.
- Exceptional organizational, troubleshooting, interpersonal, presentation, problem-solving, and leadership skills.
- Ability to work effectively with a diverse team; an interest in the support and instruction of students, postdoctoral fellows, and other researchers.
- Experience designing experiments on a large scale.
- Familiarity with electrochemical impedance spectroscopy.
- Experience with polymer processing.
- Supervisory/management experience is strongly preferred.
- Knowledge of lithium ion battery materials and hands-on experience with high throughput equipment is highly desired.
- Preference will be given to applicants with experience running and managing high-throughput chemistry experimentation.

Interested candidates may apply online at <https://hr.mit.edu/careers>. Please reference job number [17465](#) and indicate where you saw this posting.

MIT is an equal employment opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin.