



Postdoctoral Fellow

General Description:

The Polymer Program of the City University of New York at the College of Staten Island (CUNY-CSI) has an immediate opening for a postdoctoral fellow. Our program was founded by George Odian in 1973 and conducts well-funded fundamental research into novel polymeric materials as well as industrially motivated projects through the Center for Engineered Polymeric Materials, a NYSTAR sponsored initiative. The school is set in a park-like 204 acre campus; a rural oasis within New York City.

The successful candidate will explore the synthesis and properties of superhydrophobic surfaces and novel composites. Experience with a range of polymer based microfabrication processes and material systems is preferred. Candidates should be versatile, hands-on experimentalists who exhibit a passion for their work.

Core Competencies/Qualifications:

To be considered for this position, you should have a PhD in chemistry, materials science, mechanical engineering, or a related area with a record of archival publications and presentations. Excellent communication skills are essential. Preference will be given to candidates with demonstrated experience in one or more of the following areas:

- Microfabrication: Solid Freeform Fabrication technologies (especially printing composites and photodefinition of polymers) and/or micromolding technologies.
- Ordered Composites: Alignment of particles within a polymer matrix using external fields.
- Microfluidics: Microscale chemical reactions such as those encountered in microfluidic, miniemulsion or micro-encapsulation environments.
- Polymer Synthesis: Photoinduced polymer reaction kinetics, miniemulsions, surface modifications and/or bio-compatible polymer surface preparation.

Other Duties and Responsibilities:

- Exercise intellectual leadership in anticipating and resolving research issues.
- Interpret results and develop physically realistic models.
- Work independently as well as contribute to team-orientated projects.
- Write research papers, present results, and contribute to grant proposals.
- Train graduate students and other lab personnel.

Salary range: \$32,500 to \$40,000 commensurate with qualifications and experience. Opportunities for more senior scientists may also be available.

To apply: Please contact

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