

Position Title: Post Doctoral Researcher

Company Name: University of Delaware

Geographic Location: Newark, Delaware

Position Description:

This position will primarily support supramolecular material design and additive manufacturing efforts within the Korley Research Group (KRG) with impact on sustainability (cpi.udel.edu) and bioinspired (<https://sites.udel.edu/bioinspiredpire/>) initiatives. The candidate will be responsible for executing experimental research for this project under the direction of Prof. Korley focused the development of bioinspired and sustainable strategies for functional materials design and manufacturing. The candidate will perform molecular and macromolecular characterization, thermal and mechanical analysis, and processing experiments as necessary to demonstrate materials and process feasibility. The overall objective is to fabricate responsive materials with complex actuation behavior. The candidate is also expected to collaborate with others inside KRG, NSF PIRE, CPI, and beyond as necessary. Furthermore, the candidate is expected to provide substantial input in the project directions in consultation with Prof. Prof. Korley. Additionally, the candidate will mentor graduate and undergraduate students as mutually agreed between the candidate and Prof. Korley.

Position Qualifications/Requirements: Ph.D. Chemical Engineering, Materials Science and Engineering, Polymer Science and Engineering, or a closely related discipline

Citizenship: Will accept applications from foreign Visa holders

Application Info: Please submit a CV and cover letter with the name of 2-3 references to Beth Fylak at bfylak@udel.edu