Postdoctoral Research Associate Position

Position Summary: A postdoctoral researcher position is available in Dr. Guvendiren’s research lab in the Department of Chemical and Materials Engineering at NJIT. The candidate is expected to work on a DOD funded multi-year project focusing on additive manufacturing of highly filled polymeric materials. Candidate will have excellent opportunities to interact and collaborate with government research laboratories and industry.

Essential Functions: The postdoctoral associate is expected to develop novel inks composed of polymers and metallic particles, characterize flow and printability of the ink formulations, and 3D print and characterize model constructs.

Additional Functions: The candidate will mentor students and involve in dissemination of the results (including manuscript writing and presentations in relevant meetings/conferences).

Prerequisite Qualifications:
US Citizenship is required (No exceptions).
PhD degree in materials science and engineering, chemical engineering or a related field.
Expertise in at least one of the following fields: additive manufacturing (3D printing), polymer processing and characterization, and/or polymer composites.

Preferred Qualifications: Experience with extrusion-based 3D printing, light-based 3D printing, and polymer processing.

Essential Characteristics: Dedication, scientific creativity, strong written and oral communication skills. Leadership skills.

Contact Dr. Guvendiren directly.

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