

**Postdoctoral Associate in Polymer Science and Soft Matter  
University of Delaware, USA**

A postdoctoral position is available for a joint project between the groups of Dr. Sambaeta Das (Mechanical Engineering) and Dr. Kristi Kiick (Materials Science and Engineering) at the University of Delaware. The objective of the program work is to develop micron-scale devices for patterning polymers with distinct mechanical properties.

We seek postdoctoral researchers with expertise in the design, synthesis, chemical modification, and characterization of (bio)polymers and hydrogel materials; the main aim of the project is to use magnetic microparticles for the delivery of synthesized/modified polymers and other cargo in a controlled manner to polymer solutions. Further experience with lithography and/or cell culture methodologies would be advantageous, but is not a requirement for the position.

This position offers ample opportunities for professional development including participation in exciting cutting-edge science, gaining mentoring experience, and the potential for initiating new research.

Experience, attributes, and skills sought:

- PhD in chemistry, materials science, mechanical engineering, chemical engineering, physics or other relevant discipline(s).
- Creative scientist with a track record of quality publications.
- Synthetic organic chemistry and organic synthesis experience is necessary
- Fabrication, including lithography and experience in working in cleanroom would be welcome but is not necessary.
- Interdisciplinary knowledge and skills bridging engineering to soft matter.
- Experience with advanced imaging techniques and microscopy.
- Team player with outstanding leadership, communication and presentation skills.

**Start Date:** Evaluation of applications will begin immediately, with a desired start date no later than October 15, 2020, although slightly later start dates could be considered. The position is for an initial period of one year, with a possible extension to a second year.

Please send applications to [samdas@udel.edu](mailto:samdas@udel.edu). Applications should consist of a single PDF file that provides (in this order): CV, 1-page description of research interests, a list of three most relevant papers, and a list of three references and their contact information.