

**Postdoctoral Associate in Microrobotics/Micromotors and Bioengineering  
Research  
University of Delaware, USA**

We seek a postdoc to join the group of Dr. Sambaeta Das at University of Delaware. The goal of the project is to “Develop Microrobots for Cellular Patterning”. We are a new, experimental research group exploring a variety of exciting challenges in the areas of microrobotics and synthetic biology, with the goal of developing microrobotic tools to understand and control pattern formation for applications in tissue engineering.

We are looking for postdoctoral researchers who are interested in design, fabrication, and control of micron-scale robots or motors. The aim of the project is to develop a swarm of smart, intelligent microrobots that can work cooperatively to enable a wide range of applications in biomedical research and healthcare.

Responsibilities include training new students in the manufacture and operation of micron scale devices in our cleanroom and conducting experiments on microrobot motion and their interaction with mammalian cells. 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 any relevant discipline.
- Creative scientist with a track record of quality publications.
- Automation and/or instrument design experience.
- Fabrication, including lithography and experience in working in cleanroom.
- Interdisciplinary knowledge and skills bridging engineering to soft matter.
- Work experience in cleanrooms, advanced imaging facilities, and laboratory settings.
- Team player with outstanding leadership, communication and presentation skills.

**Start Date:** Evaluation of applications will begin immediately, 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.

For some relevant papers please see

<https://scholar.google.com/citations?user=Vca88o4AAAAJ&hl=en>

Please send applications to [samd@udel.edu](mailto:samd@udel.edu). Applications should consist of a single PDF file with CV, 1-page description of research interests and three most relevant papers.