



MICROSYSTEMS AND MECHANOBIOLOGY LAB

POSTDOCTORAL POSITION

The research laboratory of Prof. Rebecca Taylor at Carnegie Mellon University is seeking to recruit and support a postdoctoral research fellow!

Overview: The Microsystems and Mechanobiology research laboratory is a highly collaborative and enthusiastic group, dedicated to the development of micro and nanoscale mechanical systems. This innovative research laboratory is developing DNA nanotechnologies for applications in cellular communications, mechanosensing, nanorobotics and targeted delivery. We are specifically looking for a postdoctoral fellow who can design and synthesize DNA origami nanostructures for targeted gene delivery applications.

Candidates with experience in cellular bioengineering and/or DNA nanotechnology will be considered. This is a multidisciplinary field so candidates could come from a wide variety of fields in science and engineering. For example, our team consists of scientists and engineers from across multiple fields, including physics, chemistry, chemical engineering, biomedical and mechanical engineering.

This would be a 1-2 year appointment with the possibility of re-appointment.

What we're looking for:

- Enthusiastic and motivated candidates with a passion for research
- Performs well in a collaborative environment, with strong verbal and written communication skills
- Eager to learn new techniques and lead projects independently
- Experience in DNA Nanotechnology (expertise in DNA Origami Architectures a plus)
- Motivated to mentor junior lab members and undergraduate researchers
- Candidates who embrace and reflect diversity, equity, and inclusion

What we offer:

- A healthy and collaborative laboratory culture that encourages creativity
- Individual mentoring to enhance career development and tailored opportunities to support specific professional goals
- Interdisciplinary research opportunities at the intersection of nanotechnology, cellular bioengineering, and automated production of materials for biomedical research
- Access to the [CMU Cloud Lab](#), the world's first academic cloud lab
- A vibrant research community in Pittsburgh both at CMU and with collaborators at the University of Pittsburgh

Start date: As early as February 2023 and we will be reviewing applications through June 2023.

To begin the conversation with Prof. Taylor about this position, please email "joinmmb1@gmail.com".