The University of Akron
College of Engineering and Polymer Science

LAB
BioEngineering for Translational Applications

Funded Ph.D. Positions, Smart Polymers for Tissue Engineering and Therapeutic Applications

Position Summary

The BioEngineering for Translational Applications (BETA) lab within the Department of Biomedical Engineering at the University of Akron has openings for two highly motivated and talented Ph.D. students. The successful candidates will have the opportunity to contribute to innovative and impactful research in the fields of Biofabrication, Smart Polymers, and Tissue Engineering. The start date for these positions is expected to be in **Fall 2023**.

Responsibilities

- Conduct independent research in the area of Biomedical Engineering.
- Collaborate with other researchers on a variety of projects both within and outside the BETA lab.
- Present research findings through publication in scientific journals and presentations at conferences.
- Participate in grant writing and assist with project management.
- Adhere to the Ph.D. program requirements set by the Department of Biomedical Engineering and meet established timelines.

Qualifications

- Bachelor's or Master's degree in Biomedical Engineering, Bioengineering, Mechanical Engineering, Materials Science and Engineering, or Chemical Engineering.
- Background in bioprinting, 3D printing, biomaterials, rheology, and polymer synthesis (asset).
- Hands-on experience in cell culture and in vitro assay procedures (asset).
- Strong communication and interpersonal skills.

Application Details

Interested candidates are encouraged to send their CV and transcripts to Dr. Hossein Ravanbakhsh (hossein.ravanbakhsh@mail.mcgill.ca) with the subject line "Ph.D. applicant- Smart Polymers" **ASAP**. Shortlisted candidates will be contacted for further evaluations.

EEO/AA Policy

The University of Akron is dedicated to equal opportunity and values diversity within its community. The institution encourages applications from underrepresented groups, including but not limited to women, members of the LGBTQ+ community, visible minorities, and individuals with disabilities.