Biomechanics in Regenerative Medicine Training Program (BiRM)

“The next generation of biomechanical engineers need exposure to biomechanics as a universal approach to solving problems across hierarchical scales and physiological systems.”

Through the National Institute of Biomedical Imaging and Bioengineering (NIBIB), funding for PhD training in a cross-disciplinary Biomechanics in Regenerative Medicine program is now available through the University of Pittsburgh’s Department of Bioengineering and Carnegie Mellon University’s Department of Biomedical Engineering.

The goal of the Biomechanics in Regenerative Medicine (BiRM) training program is to provide a solid foundation upon which to build a productive and independent career in biomechanics and regenerative medicine. This is accomplished through integrating contemporary cell and molecular biology within the context of a rigorous biomechanics curriculum as an approach to increasingly interdisciplinary research problems.

**PROGRAM OBJECTIVES**

- To allow students immediate exposure to the research environment
- To provide students with diverse interdisciplinary coursework
- To encourage research collaboration by removing “roadblocks” of traditional programs
- To focus on biomechanics of tissue engineering and regenerative medicine as an important aspect in the research process through involvement with the McGowan Institute for Regenerative Medicine
- To encourage translational activities, innovation and entrepreneurship

**TRAINING DETAILS**

Trainees will have the opportunity to select a research area from a broad pool of faculty. Additionally, cross-institutional courses and research seminars are offered. The breadth of research areas that span various physiological systems allows for a unique opportunity for trainees to become highly skilled problem solvers while avoiding over specialization.

**FINANCIAL SUPPORT**

Financial support is provided for two years for qualified applicants and includes full tuition, monthly stipend, and health insurance.

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TO APPLY
Highly motivated second year PhD level graduate students with a minimum GPA of 3.25 are encouraged to apply. Candidate evaluation will be based upon:

• Research background and interest
• Reference letters
• GPA
• Personal statement

Interested students should contact Mrs. Diann DeCenzo (ddecenzo@pitt.edu) for an application.

THE CAMPUS
Most importantly for our graduate students, Pitt is an urban campus in one of the most livable cities. Its world-class research institutions, corporate headquarters, public amenities, healthcare, low cost of living and relative safety have earned Pittsburgh accolades from Forbes, Kiplingers, National Geographic, The Economist, and US News & World Report. Both the University and the City provide the perfect match for an outstanding graduate school environment.

To learn more please visit, engineering.pitt.edu/bioengineering.