**Acute and Critical Care Engineering Training Program (ACCETP)**

**About the Program**

The Acute and Critical Care Engineering Training Program (ACCETP) is a unique NIH T32 Training Program designed to provide translational research training and career development for engineering doctoral students pursuing PhD research having potential for impact in acute and/or critical care settings. Our goal is to prepare outstanding engineering leaders who we equip to collaboratively develop, test, and commercialize medical technologies and scientific innovations that address distinct design requirements of critical care.

The ACCETP is open to U.S. citizens and permanent residents, and supports two years of tuition and GSRA salary for participating students. The program is targeted for students entering the second year of PhD studies, though applicants at other stages of their program may be considered. Participating trainees are expected to:

* Receive mentoring and guidance from University of Michigan faculty having clinical expertise relevant to trainees’ research. ACCETP Directors will work with trainees’ PhD advisor(s) to identify appropriate ACCETP mentors.
* Select coursework relevant to their technological focus, including at least one course in Biomedical Design and Development.
* Participate in the ACCE Clinical Immersion Program, in which trainees are placed into direct contact and observation of clinical professionals in the acute and critical care units of the UM hospital (approximately 60 hours per academic year).
* Participate in a bi-monthly ACCE Design Studio, consisting of special lectures and discussions on program activities and related ACCE topics (approximately 30 hours per academic year).
* Utilize opportunities for training on product development and commercialization, networking and internships, and career development, as appropriate to the trainees’ career and research goals.
* Prepare brief research presentations at the conclusion of each term, in poster (fall) and conference (winter) formats; some or all trainees may be invited to participate in the National Institutes for Biomedical Imaging and Bioengineering (NIBIB) Training Grantees Meeting, typically held in June in Bethesda, MD (expenses paid by training program).

***To apply for training, please fill out and submit the materials designated on the following page. Applications are due by May 1.***

**Application for ACCE Training**

*Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*Student Department: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*Student Advisor(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*Current Degree Program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**To complete your application, please attach the Following Materials and submit everything to Denise Wieck (**[**poirierd@umich.edu**](mailto:poirierd@umich.edu)**)**:

1. Cover letter describing your interest in Acute and Critical Care Engineering and your qualifications and research accomplishments (2 pages).
2. A copy of your resume or curriculum vitae (C.V.).
3. Your current Rackham transcript.
4. A copy of your transcripts from your past institutions (undergraduate and, if applicable, M.S. or other prior graduate degree).
5. A letter of support from your thesis advisor. This letter should provide:
   1. an assessment of your progress and potential for research relevant to the ACCETP
   2. comments on potential to contribute to diversity of the program and/or field
   3. confirm support for your participation in ACCETP activities
   4. confirm cost sharing, if needed, for tuition and salary in excess of NIH limits for T32 training programs