

## NIDRR ADVANCED REHABILITATION RESEARCH TRAINING (ARRT) PROGRAM ORTHOPAEDIC AND REHABILITATION ENGINEERING CENTER (OREC)

### Advanced Rehabilitation Research Training in Pediatric Mobility for Engineers



Postdoctoral trainees in this program will experience a course of study designed to provide each candidate with a unique set of capabilities to succeed as a rehabilitation researcher. We have incorporated three essential elements into the training program: (1) Didactics, (2) Mentored Research Areas and (3) Collegial and Collaborative Activities. Fellowship research requirements include the successful submission of an intramural proposal, pilot study completion and refinement, multiple journal article submissions, and completion of two extramural proposals. The capstone experience for the postdoctoral trainees is the completion of a sponsored workshop in their field of study with nationally recognized leaders in attendance.



Active contribution and strong participation in research resides at the core of this ARRT program. We have selected three Research Areas (RAs) to support opportunities for career oriented contributions to the field of pediatric mobility. The RAs are Skeletal and Connective Tissue biology, Assistive Devices and Foot and Ankle mobility. A team of mentors with qualifications specific to each of these RAs will support candidates entering the program to enhance their current skills and offer additional, high level training and experience.



In totality the program offers directed mentorship, research training, and formal didactic components. It includes a cross-disciplinary course structure for all fellows. Trainees attend courses, symposia and seminars in four in-depth areas, which include Evidence Based Research, Scientific Writing and Grantsmanship, Biostatistics and Outcomes Assessment, and Pediatric Motion Analysis. As part of the professional development of the postdoctoral trainees and to increase their exposure to rehabilitation research, cross-disciplinary teaching is encouraged. At the completion of the program, all trainees will have completed necessary pilot work, will have written and submitted several journal manuscripts, will have prepared two extramural proposals, and will have gained experience in managing a functional research team. The program also includes support for career planning and job search assistance.

Interested candidates should contact: [deborah.epps@marquette.edu](mailto:deborah.epps@marquette.edu).