



EMORY
UNIVERSITY
SCHOOL OF
MEDICINE

Department of
Rehabilitation Medicine
Division of Physical Therapy

Wallace H. Coulter
Department of
Biomedical
Engineering
at Georgia Tech and Emory University

POSTDOCTORAL POSITION IN NEUROSCIENCE OF HUMAN-MACHINE INTERACTION

Through [NINDS](#) and [NSF M3X](#), a funded full-time postdoctoral research position is available to study human interaction with and control of assistive technologies in Zachary Danziger's lab, which spans the Departments of Rehabilitation Medicine and Biomedical Engineering at Emory University.

The position offers you wide-ranging intellectual scope to contribute to multiple ongoing projects and/or develop your own line of inquiry within the theme of understanding how people learn to control an external device with high-dimensional inputs from their body. Some examples of our lab's work in this area include i) designing neural decoding algorithms for brain-computer interfaces, ii) developing [human-in-the-loop models of invasive brain-computer interfaces](#), iii) optimizing body [interfaces for high-dimensional control](#) of physically embodied machines, and iv) integrating AI into systems neuroscience models and motor learning experiments. Work in our lab is multidisciplinary, and you will have opportunities to interact with our collaborators across the country and throughout Emory's rich research community.

Requirements for the work include a PhD (in biomedical engineering, neuroscience, or related field), experience with human subjects studies OR experience with modern computational tools (such as machine learning), and an interest in collaborative team science.

We are committed to giving you the best possible development opportunities. This includes a welcoming, supportive, and collaborative work environment, financial support for conference travel, writing workshops, and continuing education, and networking opportunities. Danziger received FIU's university-level "Award for Excellence in Postdoctoral Scholar Mentoring" in 2019, helped postdocs successfully transition to tenure track academic positions at R1 universities, and has a record of research funding for major academic projects. Find more information [about the lab online](#).

To apply (or to ask questions) contact Zachary.Danziger@Emory.edu with a CV and references – we look forward to hearing from you!