



Postdoctoral Research Opportunity

Overview: The University of Wisconsin–Madison [Department of Orthopedics and Rehabilitation](#) is seeking a highly motivated and skilled postdoctoral scholar to join our multidisciplinary research team. We are looking for a candidate that is hard-working, an independent thinker, has excellent communications skills (written and oral), and is interested in being a part of a highly interactive multi-disciplinary research team.

Position Details:

- **Start Date:** Immediately
- **Percent Time:** 100%
- **Location:** UW-Madison Campus
- **Project:** The candidate will be working with existing data from the project “*Advancing rehabilitation of patellar tendon injuries using innovative wearable technology and quantitative magnetic resonance imaging techniques (K99/R00AR085752)*” and will also be a part of managing the clinical trial phase of the project
- **Funding:** NIH Scale
- **Mentor:** Naoaki Ito, PT, DPT, PhD

Responsibilities:

- Lead and support multiple ongoing projects, determined collaboratively with mentor
- Conduct independent data analysis (R and/or MATLAB preferred)
- Collaborate with program faculty to develop new projects
- Generate abstracts and manuscripts for publication
- Mentor students within the lab
- Be an active member in lab meetings
- Assist in the development of research grant proposals
- Other duties as determined by mentor

Research activities will involve the integration and analysis of a diverse, pre-existing, and growing dataset, providing ample opportunities for publications, presentations, and grant development. The postdoctoral scholar will have access to the following data elements:

- **Quantitative Imaging (Ultrasound and MRI)**
- **Biomechanics (Motion Capture, Dynamometry, Shear Wave Tensiometry)**
- **Clinical Outcomes**

Qualifications

- **Clinical Background:** A PhD in a topic relevant field (e.g. biomedical/mechanical engineering, rehabilitation science, kinesiology) is required and a professional degree in sports rehabilitation (e.g., DPT, ATC) is preferred
- **Research Expertise:** A strong foundation in orthopedic / sports science / rehabilitation, data analysis, and research methodology with a proven track record of peer-reviewed publications is highly desirable
- **Technical Skills:** Prior experience with biomechanics, imaging, and working with patients
- **Professionalism:** Excellent communication skills, organization, and work collaboratively across disciplines

How to Apply

Interested candidates should submit a (1) cover letter outlining their research interests and relevant experience (1 page max), (2) a CV, and (3) contact information for three professional references to:

Naoaki Ito, DPT, PhD at ito@ortho.wisc.edu