



Graduate Student Research Opportunity

Overview: The University of Wisconsin–Madison [Badger Athletic Performance](#) (BAP) program is seeking a highly motivated and skilled graduate student 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 multidisciplinary research team.

Position Details:

- **Start Date:** Fall 2027
- **Location:** UW-Madison Campus
- **Program Objective:** Advance research investigating both the short- and long-term outcomes of current and former collegiate athletes with a history of anterior cruciate ligament reconstruction (ACLR). Develop and test new interventions to improve outcomes in all athletes following orthopedic surgeries.
- **Funding:** UW standard graduate student stipend rate
- **Mentor:** Keith Knurr, PhD, DPT, SCS

Responsibilities:

- Complete all course work and maintain good standing within the graduate program
- Contribute to multiple ongoing projects, determined collaboratively with mentor
- Assist with data collection
- Learn and conduct data analyses (R and/or MATLAB preferred)
- Collaborate with program faculty to develop new projects and research grant proposals
- Generate abstracts and manuscripts for publication
- Attend meetings with clinical and research personnel
- Other duties as determined by mentor

Research activities will involve the integration and analysis of a diverse, pre-existing, and growing dataset of advanced imaging (i.e. quantitative MRI, ultrasound), biomechanics, neuromuscular performance metrics, and clinical outcomes, providing ample opportunities for publications, presentations, and fellowship grant development.

Preferred Qualifications:

- **Clinical Background:** A professional degree in orthopedics/sports rehabilitation (e.g., DPT, ATC)
- **Research Expertise:** Prior exposure to sports science/rehabilitation research, data analysis, and research methodology
- **Technical Skills:** Prior experience with biomechanics, neuromuscular performance assessments, and/or quantitative MRI (qMRI) data collection and analyses
- **Professionalism:** Excellent communication skills (written and oral), organization, and desire to work collaboratively across disciplines
- **Career Goals:** Looking to pursue a research intensive career

Application Process:

Interested candidates should submit: (1) a cover letter outlining their research interests and relevant experience (1 page max) and (2) a CV/Resume: **Keith Knurr, PhD, DPT, SCS** at knurr@ortho.wisc.edu