The Neuromuscular Research Laboratory (NMRL)/Warrior Human Performance Research Laboratory (WHPRC) has **multiple immediate openings for postdoctoral fellowship positions**. This is an excellent opportunity to join a DoD-funded research team focused on the physiological mechanisms of physical training adaptations and cognitive or physiological resilience. Our multi-disciplinary group has expertise in exercise physiology, neuroendocrinology, neurobiology, biomechanics and motor control, nutrition, epidemiology, systems biology, and machine learning.

The NMRL/WHPRC is a state-of-the-science 11,600ft² facility with innovative techniques to study molecular, cellular, tissue, biomechanical, and physiological aspects of human performance optimization and injury prevention ([NMRL/WHPRC](https://www.nmrl.pitt.edu)). Current and future capabilities include enzyme immunoassay (EIA); multiparametric flow cytometry; motion capture and biomechanics; neurophysiology with transcranial magnetic stimulation (TMS), electroencephalogram (EEG), non-invasive motor unit array decomposition (dEMG); psychometrics; strength, sensorimotor, and fitness assessment; dual-energy X-ray absorptiometry (DEXA); and high-resolution peripheral quantitative computed tomography (HR-pQCT). Through collaborations with leading experts at Pitt, we are beginning to use transcriptomics, proteomics, and muscle IHC.

We are seeking creative and highly-motivated scientists with strong critical thinking and technical skills to pursue independent and collaborative research within the School and Health and Rehabilitation Sciences. **Candidates must have**: 1) Ph.D. degree; 2) strong publication record; 3) excellent English verbal and written communication skills; 4) a background in muscle/bone physiology, biomechanics/motor control, neurophysiology, or molecular/cellular biology; and 5) willingness to work with human subjects/samples and animal models. The successful candidate is expected to work independently and as part of a team and have a strong enthusiasm for learning and developing new experimental approaches.

**Applicants should send**: 1) a cover letter with summary of research experience and interests; 2) current contact information for three potential references; and 3) curriculum vitae including publications in PDF format to: Dr. Bradley C. Nindl, Director and Professor (bnindl@pitt.edu).