The Neuromuscular Research Laboratory (NMRL)/Warrior Human Performance Research Laboratory (WHPRC) in the Department of Sports Medicine and Nutrition in the School of Health and Rehabilitation Sciences at the University of Pittsburgh is recruiting for highly motivated post-doctoral positions to help support funded DoD research studying the physiological mechanisms underlying musculoskeletal adaptations to military and exercise training with a particular focus on human performance optimization. Particular expertise is sought in bone, endocrine biomarkers, neuromuscular performance, extracellular vesicles, cell culture and related biochemical analyses, women’s health, or monitoring physiological training load via wearable technologies. Our multi-disciplinary group has expertise in exercise physiology, neuroendocrinology, neurobiology, biomechanics, nutrition, epidemiology, data analytics, systems biology and machine learning. The NMRL/WHPRC is a state-of-the-science laboratory encompassing 11,600 square feet of space with capabilities in exercise physiology, bone adaptation and morphology (HRpQCT and DXA), neurobiology, exercise biochemistry, strength, power, and performance assessments. The mission of the NMRL/WHPRC is to mitigate musculoskeletal injuries and optimize human performance by conducting innovative, multi-disciplinary, basic and applied research providing evidence and translating scientific knowledge; enhancing clinical decisions and education. This research will lead to improved quality of life and resiliency in athletic, military and active populations. Our vision is to be internationally recognized as a premier academic research center and its faculty as thought leaders in human performance optimization and musculoskeletal injury prevention. For more information on the University of Pittsburgh NMRL/WHPRC see http://www.nmrl.pitt.edu/.

To apply, send statement of purpose, CV, 3 representative publications and names for 3 references to Bradley C. Nindl, Ph.D., FACSM, Professor and Director: bnindl@pitt.edu by 15 April 2022.