Post-Doctoral Position in URMC PEAK Human Performance Laboratory
Specializing in Exercise Oncology Research

The PEAK Human Performance Laboratory at the University of Rochester Medical School and Wilmot Cancer Center is seeking exceptional candidates for a Post-Doctoral Associate position in Exercise Oncology in the Department of Surgery. The University of Rochester is located in the beautiful Finger Lakes region of upstate New York. The position is available immediately and fully funded at a very competitive salary for a period of 2-3 years. The successful applicant will work directly with the Laboratory Director, Dr. Karen Mustian, and be part of an internationally renowned multidisciplinary cancer control research team comprised of oncologists, epidemiologists, immunologists, neuroscientists, clinical psychologists and biostatisticians among others. Research in the PEAK Lab consists of multiple clinical trials conducted locally and regionally through the Wilmot Cancer Institute and nationally through the University of Rochester Cancer Center (URCC) NCI Oncology Research Program (NCORP) Research Base, Co-Directed by Dr. Mustian. Research in the lab focuses on the developing and testing the efficacy of exercise and physical activity interventions (e.g., walking, resistance training, yoga, tai chi) for treating the toxicities and side effects stemming from cancer and its treatments (e.g., fatigue, insomnia, cognitive impairment, bone loss, arthralgia, neuropathic pain, sarcopenia, cachexia). Research in the lab also focuses on identifying the biopsychosocial mechanisms (e.g., immune function, gene expression, circadian regulation, self-efficacy, social control, minority stress) whereby exercise and physical activity improve these toxicities. We are interested in candidates with a variety of backgrounds in the field of kinesiology including but not limited to exercise physiology (e.g., immunology and genomics), exercise psychology (e.g., behavioral change theory and intervention development), biomechanics and motor learning among others.

The Post-Doctoral Associate will gain the skills and experience required to run a Human Performance Clinical Research Core Laboratory in an academic medical center and a cancer institute which supports Principal Investigators conducting both local and nationwide clinical oncology trials. The Post-Doctoral Associate will also collaborate with scientists to conduct clinical trials, analyze data, publish manuscripts and write grants for both internal and external funding.

Applicants are required to have a Ph.D. in Kinesiology or Exercise Science and professional certification through the American College of Sports Medicine (ACSM) as an ACSM Certified Clinical Exercise Physiologist® or ACSM Registered Clinical Exercise Physiologist®. Additional professional certification through ACSM as a Cancer Exercise Trainer (CET) is preferred; the applicant will be required to obtain the CET certification within 6 months of being hired. Applicants are required to have at least 2-3 years direct hands-on experience conducting clinical exercise testing and developing clinical exercise testing protocols (e.g., graded exercise stress testing, isokinetic muscle testing, and electromyography). Applicants are also required to have direct hands on experience conducting clinical and translational research studies with human sample populations. Applicants are required to have demonstrated the ability to analyze and publish peer-reviewed research. It is preferred, but not required, that applicants have some experience collecting and analyzing human biological specimens (e.g., blood, muscle tissue, sweat, spit, etc.), imaging studies (e.g., MRI, Pet Scans, CT scans) and actigraphy data. Skills and experience related to information technology and bioinformatics, and their applications in ehealth and mhealth contexts are a definite plus.

For more information on the URMC PEAK Human Performance Laboratory see: https://www.urmc.rochester.edu/physiology-exercise-lab.aspx

For more information on the URCC NCORP Research Base see: http://urcc-ccop.com/ccop/

Please send cover letter, personal statement, full CV and three reference letters to Dr. Karen Mustian: Karen_Mustian@urmc.rochester.edu

The University of Rochester Medical Center is an Equal Opportunity/Affirmative Action Employer and strongly encourages applications from women and minority candidates.