POSITION ANNOUNCEMENT
ASSISTANT PROFESSOR (Tenure Track)
FOCUS: MEASUREMENT OF PHYSICAL ACTIVITY AND HEALTH / WEARABLE SENSORS

STARTING DATE: September 1, 2018

The University of Massachusetts Amherst, School of Public Health and Health Sciences and the Institute for Applied Life Sciences seek talented applicants qualified for a **faculty position in the Kinesiology Department at the Assistant level** in the area of physical activity, sedentary behavior, and health outcome measurement using wearable biobehavioral sensors, with applications to promote health-related behavioral changes. Under exceptional circumstances, highly qualified candidates at higher professor ranks may receive consideration. This is a full-time, tenure track, 9-month appointment with a competitive salary range commensurate with qualifications and experience.

**RESPONSIBILITIES:** The faculty appointment will be in the Department of Kinesiology in the School of Public Health and Health Sciences and the candidate will hold a joint appointment in IALS. Position responsibilities include but are not limited to:

- Establish and develop an active research program at UMass Amherst with an independent base of support using funds that may originate from diverse sources such as federal and state granting agencies, foundations, and industry collaborations
- Provide leadership within the Center for Personalized Health Monitoring in IALS
- Teach undergraduate and graduate level courses in Kinesiology (examples: Objective Measurement of Activity and Sedentary Behaviors, Physical Activity and Public Health)
- Oversee graduate theses and dissertations, undergraduate independent study and honors projects
- Serve on departmental, IALS, school and university committees, panels or boards, as assigned or based on interests

**QUALIFICATIONS:** Applicants must hold a PhD or equivalent degree in kinesiology or a closely related field at the time of appointment. Preference will be given to candidates with an outstanding research program in the area of wearable sensor calibration and validation with a focus on sensors that capture human physical activity, sedentary behavior and related biological characteristics. Evidence supporting the candidate’s collaborative multi-disciplinary approach to research with experts in statistics/biostatistics, engineering, behavior change, and human health is desirable. Interpersonal and communication skills promoting such collaborations in research and program development are essential.

**DEPARTMENT, UNIVERSITY AND COMMUNITY:** The world-renowned department of Kinesiology (http://www.umass.edu/sphhs/kinesiology) is one of six departments in the School of Public Health & Health Sciences (www.umass.edu/sphhs). The department has 13 tenured/tenure-track faculty, 5 full-time lecturers, 1 full-time undergraduate advisor, approximately 760 undergraduate majors and 40 graduate students and postdoctoral fellows. Its research and teaching activities are organized into the areas of physical activity & health, motor systems, and physiology. Faculty are established and emerging leaders in their research fields, which range from the molecular basis of movement to
community-based physical activity interventions. Current research funding comes from the National Institutes of Health, National Science Foundation, Department of Defense, American Heart Association, a variety of foundations, as well as industry collaborators.

The University of Massachusetts Amherst (http://www.umass.edu), the flagship campus of the University of Massachusetts system, is a nationally-ranked public research university and home to over 22,000 undergraduate and 6,000 graduate students. The 1,430 acre campus is located in the scenic Pioneer valley of Western Massachusetts, 90 miles from Boston and 175 miles from New York City. UMass Amherst, along with Amherst, Hampshire, Mount Holyoke and Smith Colleges, is a member of the Five College Consortium and the Academic Career network. The region boasts a rural setting with easy access to major metropolitan areas.

SPECIALIZED METABOLIC and HUMAN MOVEMENT FACILITIES: The Commonwealth of Massachusetts and the University have together invested $150 million in the new Institute for Applied Life Sciences (IALS), which is home to the state-of-the-art Center for Personalized Health Monitoring (CPHM; http://www.umass.edu/ials/centers). The new faculty hire will be a member of IALS and CPHM, which includes faculty from departments across campus such as kinesiology, engineering, computer science, polymer science, public health and psychological and brain sciences, and others. The resource-rich CPHM has a suite of core facilities that focus on human testing, including the: Room Calorimetry Core capable of measuring energy expenditure over 24-48 hours, Living Science Core for quantifying natural home-based daily activities in a natural setting, Human Magnetic Resonance Center, Human Motion Core, and Exercise Intervention & Outcomes Core. Research conducted in the CPHM targets basic and translational studies of metabolism, human movement, fatigue and sleep; as well as the development and application of wearable sensors for the study of human behavior and health in real-world settings. Kinesiology faculty are leaders in this new campus-wide enterprise. Faculty in CPHM have also established clinical collaborations with investigators at the University of Massachusetts Medical School in Worcester and Baystate Medical Center in Springfield.

APPLICATION INSTRUCTIONS: Review of applications will begin September 25, 2017 and continue until the position is filled. Required application materials include: a cover letter, curriculum vitae, statement of research expertise and current and future research goals, statement of teaching philosophy, and the names and contact information for three references.

All materials must be submitted to:
http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=87801

For questions about the application process, please contact Ms. Louise Houlden at 413.545.6070 or lhoulden@kin.umass.edu.

For questions about the position, department or university in general, contact Dr. John Sirard (413-545-7898 or jsirard@kin.umass.edu), Co-Chair of the Search Committee for this position. Please indicate “Kinesiology Faculty Search” in the subject line of email correspondence.

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other
protected group members. Because broad diversity is essential to an inclusive climate and critical to the
University’s goals of achieving excellence in all areas, we will holistically assess the many qualifications
of each applicant and favorably consider an individual’s record working with students and colleagues
with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work
activities. We will also favorably consider experience overcoming or helping others overcome barriers to
an academic degree and career.

We are seeking talented applicants qualified for an assistant professor position. Under exceptional
circumstances, highly qualified candidates at other ranks may receive consideration.