UMass Amherst, the Commonwealth's flagship campus, is a nationally ranked public research university offering a full range of undergraduate, graduate and professional degrees. The University sits on nearly 1,450-acres in the scenic Pioneer Valley of western Massachusetts, and offers a rich cultural environment in a bucolic setting close to major urban centers. In addition, the University is part of the Five Colleges (including Amherst College, Hampshire College, Mount Holyoke College, and Smith College), which adds to the intellectual energy of the region.

DEPARTMENT, UNIVERSITY AND COMMUNITY: The world-renowned department of Kinesiology is one of six departments in the School of Public Health & Health Sciences (SPHHS). The department has 12 tenured/tenure-track faculty, 5 full-time lecturers, 1 full-time undergraduate advisor, approximately 720 undergraduate majors and 40 graduate students and postdoctoral fellows. Its research and teaching activities are organized into the areas of Physical Activity & Health, Biomechanics, Motor Control 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.

SPECIALIZED HUMAN MOVEMENT and METABOLIC 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). 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, nursing, 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: a Room Calorimetry Core capable of measuring energy expenditure over 24-48 hours; a Living Science Core for quantifying home-based daily activities in a natural setting; and Human Magnetic Resonance Center, Human Motion Core, and Exercise Intervention & Outcomes Core for measurement of all facets of human movement and energetics. 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 campus-wide enterprise. Faculty in CPHM also maintain on-going clinical collaborations with investigators at the University of Massachusetts Medical School in Worcester and Baystate Medical Center in Springfield.

The University of Massachusetts Amherst, School of Public Health and Health Sciences, and the Institute for Applied Life Sciences (IALS) seek talented applicants qualified for a faculty position in the Kinesiology Department at the Assistant Professor level who study physical behavior measurement. Scientific inquiry in such areas as novel methods for device calibration and validation, new sensor technology, analytical advances in measurement and interpretation, new outcomes for clinical studies, and applications of wearable monitors for assessing exposure and/or effects of interventions to improve physical activity behavior are key areas of focus for
this position. Under exceptional circumstances, highly qualified candidates at a higher rank 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, with 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 funding agencies, foundations, and industry collaborators
- Provide leadership within the Center for Personalized Health Monitoring in IALS
- Teach relevant undergraduate and graduate level courses in Kinesiology (examples: Objective Measurement of Activity and Sedentary Behaviors)
- 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 related field at the time of appointment.
- Preference will be given to candidates with an outstanding research program in physical behavior measurement with a focus on sensors that capture physical activity, energy expenditure, sedentary behavior and/or sleep.
- Of interest would be expertise in intervention science in children, adults, older adults and/or clinical populations (osteoporosis, Alzheimer’s, diabetes, etc.), linking innovative measurement of these behaviors to biological outcomes.
- Evidence supporting the candidate’s collaborative, multi-disciplinary approach to research with experts in statistics/biostatistics, engineering, behavior change, and human health is a priority.
- Strong interpersonal and communication skills promoting such collaborations in research and program development are essential.

**STARTING DATE:** September 1, 2019

**Special Instructions to Applicants**

Review of applications will begin October 15, 2018, and continue until the position is filled.

For questions about the application process, please contact Ms. Louise Houlden at 413.545.6070 or lhoudlen@kin.umass.edu.
For questions about the position, department or university in general, contact Dr. Sofiya Alhassan (413-545-3475, alhassan@kin.umass.edu), Co-Chair of the Search Committee for this position. Please indicate “Kinesiology Faculty Search” in the subject line of email correspondence.

UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to eliminate or mitigate artificial barriers and to increase opportunities for the recruitment and advancement of qualified minorities, women, persons with disabilities, and covered veterans. It is the policy of the UMass Amherst to comply with the applicable federal and state statutes, rules, and regulations concerning equal opportunity and affirmative action.

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