



## Faculty Opening

**The Division of Occupational and Environmental Medicine within the Department of Medicine at UConn Health invites applications for the following positions:**

- Senior Faculty Position, Tenure-Track, Associate/Full Professor Level
- Faculty Position, Physical Sciences/Engineering, Tenure-Track, Asst Professor Level
- Occupational Medicine Physician, Assistant/Associate Professor Level

### **Senior Faculty Position, Tenure-Track, Associate/Full Professor Level**

General Description: Senior Faculty Position, Occupational Medicine/Environmental Medicine/Intervention Research

The Division of Occupational and Environmental Medicine (DOEM) at the University of Connecticut Health Center is seeking an environmental or occupational health scientist to occupy a leadership role. The candidate should have a demonstrated interest in cross-disciplinary intervention research that integrates social and biological sciences, and which will be compatible with the directorship of academic and research activities, as well as outreach and clinical activities. Depending on background and interests, the position will include supervision of a human factors and bio dynamics laboratory. The candidate will be hired to assume senior leadership of DOEM as Division Director with transition to full responsibilities over a suitable time period in which cross-campus and departmental introductions and leadership of ongoing studies will take place.

Candidate Qualifications: Primarily, the candidate should have an established research career. Secondly, if the applicant is an academic clinician, s/he should have a comparable level of clinical accomplishment. The cross-disciplinary background should include familiarity with biomedical sciences, occupational medicine, ergonomics, industrial psychology and social sciences, biomedical engineering, and physical hazards. The candidate should have a demonstrated capacity for independent research and record of research funding with Principal Investigator experience and a history of successful mentoring of graduate and post-graduate students, as well as experience with medical residents and fellows. The candidate should be interested in the translation of laboratory and investigative work into improved health of the working population, and should be amenable to working with the private and public sectors and with labor and management groups.

Description of Program: DOEM includes clinical research, field research, and laboratory research components with a strong orientation towards integration of clinical and research areas and of working with other medical and public health fields. The program has established laboratories in acoustics and biodynamics, and a history of workplace directed outreach. DOEM is a key component of the Center for the Promotion of Health in the New England Workplace (CPH-NEW), a NIOSH funded Total Work Health (TWH™) Center of Excellence.

This position is offered at the Associate or full Professor Level. The academic departmental affiliation is with the Department of Medicine. The position is offered as tenure-track (investigator track). Both M.D.'s and Ph.D.'s are encouraged to apply.

The position includes sponsored research development time and a laboratory start-up package that will be specific to the applicant.

A comprehensive review of applications will begin in November 2015 and will continue until the position is filled. Please complete an application at <https://jobs.uchc.edu> (Search # 2015-1162). Please direct questions to Joyce L. Smith, Director of Employment Services Human Resources, UConn Health, [josmith@uchc.edu](mailto:josmith@uchc.edu).

### **Faculty Position, Physical Sciences/Engineering, Tenure-Track, Asst Professor Level**

UConn Health is seeking a faculty member with training in the physical sciences or engineering to assume directorship of the Ergonomics Technology Center (ETC), which contains an extensively equipped human factors laboratory for advanced sound, vibration, musculo-skeletal and human performance research. This would be a joint appointment in both the Department of Medicine and in the newly formed Department of Biomedical Engineering (BME). The preferred candidate should have an interest in both graduate biomedical engineering education and in cross-disciplinary research with clinicians, basic scientists, and organizational psychologists. The candidate should also have an interest in workforce health and workplace design.

Job duties include educational and research components.

Educational: The faculty member is expected to direct MSE BME students in laboratory procedures and methods; contribute to or direct MSE BME students in thesis preparation; direct an ergonomics or BME related course at the graduate level; contribute to cross-disciplinary research training for graduate students through the Division of Occupational and Environmental Medicine (DOEM); sponsor, supervise and prepare PhD students in BME and compatible disciplines; and collaborate in the development of an extramurally funded training center.

Research: The faculty member is expected to conduct independent and collaborative research related to DOEM's research program; supervise a laboratory-based research team; and collaborate with or conduct independent research in hearing, hearing protection and speech communications.

Cross-disciplinary research activity includes collaborating with and providing biomedical device development to the Center for the Promotion of Health in the New England Workplace (CPH-NEW), a national Total Worker Health Center; as well as ongoing research activities concerning the aging workforce, and tool and job design. The faculty member will also participate in the activities of the Department of Biomedical Engineering and the Department of Medicine.

Candidate Qualifications: A PhD in biomedical engineering or in mechanical, electrical or electronic engineering or applied physics with biomedical engineering related experience. Proven ability to organize work efficiently, prioritize tasks, work with deadlines and within budgets, and pursue defined goals in the face of conflicting demands. Experience with MatLab, LabView and CAD and 3-D printing programs, and related software.

Preferred qualifications include experience working with human subjects and clinical populations; in the cross-disciplinary training of health professionals from diverse fields, including medicine, dentistry, engineering, psychology, nutrition, and economics; with factors influencing hearing and speech communication; with sensing technology for activity, sound, vibration and metabolic monitoring; with electronic circuit design and implementation, including the use of microprocessors; with ergonomic workplace design; and in an academic, governmental, or commercial ergonomics program is desirable.

Practical experience with the design, development and construction of custom-made electronic devices with sensors for physical agents or physiological parameters. Familiarity with the procedures of real-time data logging of physical agents or physiological metrics. Strong quantitative research skills, including: experience with modern digitized data acquisition systems; operation of modern laboratory equipment (e.g., dynamic signal analyzers, laser vibrometer, digital signal processors); experience with statistical analysis packages. Evidence of independent funding and experience with successfully preparing research applications.

The ETC includes the following resources: a Biodynamics Laboratory and an Acoustics Laboratory with an audiometric booth and a large anechoic chamber.

Please complete an application at <https://jobs.uhc.edu> (Search # 2016-385). Please direct questions to Joyce L. Smith, Director of Employment Services Human Resources, UConn Health, [josmith@uchc.edu](mailto:josmith@uchc.edu).

### **Occupational Medicine Physician, Assistant/Associate Professor Level**

UConn Health has an exciting opportunity available for an Occupational Medicine physician, to join the Division of Occupational and Environmental Medicine, at the Assistant/Associate Professor level. The Division of Occupational and Environmental

Medicine is engaged in clinical care, education, research, and policy development. Accordingly, candidates for this position should have a strong interest in teaching, research, and resident/medical student supervision. As a physician-educator, responsibilities involve training medical and public health students, masters and doctoral students, and medical residents. The candidate will also contribute to the establishment of a post-graduate physician training program. We offer a collegial environment, faculty appointment, competitive salary and benefits. Must be BC/BE in Occupational Medicine. No J1 or H1 visas.

The clinical and service opportunities and responsibilities of this position include clinical consultative and primary care services in occupational medicine and employee/student health on the Farmington campus, and the provision of subject area policy guidance to a major insurance carrier. The position encourages collaborative initiatives that advance the field of occupational medicine. Candidates with active research or related support are encouraged to apply and will be accommodated.

Interested candidates should submit a cover letter and curriculum vitae at <https://jobs.uchc.edu> (Search # 2016-273).

UConn Health is an affirmative action employer, in addition to an EEO and M/F/V/PWD/PV employer.