

POST-DOCTORAL RESEARCH POSITION In Healthcare Human Factors

Vanderbilt University Medical Center
Nashville, TN

The Center for Research and Innovation in Systems Safety (CRISS) has an opening for a post-doctoral researcher in healthcare human factors.

About us: CRISS is a multi-disciplinary academic center within the Vanderbilt University Medical Center (VUMC) specializing in healthcare human factors, patient safety, the design and evaluation of health information technology, medical devices, and healthcare processes, and other types of applied research. CRISS faculty and staff have broad practical and scientific experience in numerous clinical settings and full access to inpatient and outpatient healthcare facilities affiliated with VUMC, locally and across the mid-South. CRISS resources include staff experienced in interaction design, software & database development, usability testing clinical and simulation-based research, grants management, experimental design and statistics. We have an in-house usability laboratory and 11,000 ft² high-fidelity simulation center. VUMC provides an excellent “real world laboratory” for healthcare research and numerous in-house information technology development projects. Studies include both patients and clinicians as subjects. CRISS collaborates with faculty across Vanderbilt University, nationally, and internationally. Additionally, VUMC and the University have a strong and active post-doctoral research community. The fellow would be eligible for training, funding, and other opportunities outside CRISS.

Requirements:

- PhD in a field associated with Human Factors/Ergonomics – e.g., industrial/systems engineering, psychology, human-computer interaction, *completed prior to start date*. Candidates with a terminal professional degree in other fields [e.g., MD, PharmD] will be considered if they have substantial human factors or related experience.
- Experience and training in both qualitative and quantitative field research methods.
- Ability to work in a multi-disciplinary research team and deliver timely products.
- Preference will be given to candidates who have the interest and aptitude to be trained to become federally funded independent investigators.

Responsibilities:

- Conduct independent and collaborative health care human factors research under the mentorship of CRISS faculty.
- Apply multiple field and laboratory methods, including survey design and analysis, structured and unstructured ethnographic observations, interviewing, intervention research, user interface design, and usability testing.
- Analyze quantitative and qualitative data and present findings internally and externally.
- Author/co-author review and research manuscripts and work on grant applications.
- Develop and conduct independent research projects.

Position details: Funded 12-month appointment with the opportunity for a one- or two-year extension.

Notes: Vanderbilt University Medical Center is an Equal Opportunity Employer. A criminal background check is required.

If interested, address questions or submit the following application materials to: Matthew B. Weinger, MD (matt.weinger@vumc.org): Curriculum Vitae; Letter of Interest (2 pages maximum, describing prior research experience, interests and skills, and future career goals); and contact information for 3 - 5 references including your doctoral advisor and/or primary research mentor.