Research Scientist at the STRATUS Center for Medical Simulation,
Department of Emergency Medicine

The STRATUS Center for Medical Simulation in the Department of Emergency Medicine at Brigham and Women’s Hospital is seeking a Research Scientist. The Department hosts a successful research program that supports projects funded by various sources, including NIH, NASA, AHRQ and DoD. These projects include simulation and clinical trials, observational studies, quality improvement projects, technology design and development, and usability and human factors studies. The Research Scientist position will have no clinical responsibilities.

Brigham and Women’s Hospital is a major teaching affiliate of Harvard Medical School. The appropriate candidate will be eligible for academic appointment at Harvard Medical School at the rank of Instructor, Assistant Professor or Associate Professor commensurate with experience, achievement, recognition, and participation in teaching and scholarly activities. The position offers opportunities for professional development, a competitive salary, and a comprehensive benefits package. Brigham and Women’s Hospital is committed to the personal and professional development of our employees.

The successful applicant will conduct research as an independent investigator. The candidate is expected to write and submit grants. Their primary responsibilities include planning, organizing, and executing research projects. The Research Scientist may oversee and mentor research staff in the laboratory and/or clinical trials. They will contribute to research advancement in their field with publications of original, innovative research findings. They will also ensure compliance with all research protocols, federal, state and local laws and hospital policies.

A PhD degree in an engineering field, with extensive knowledge, skills and demonstrated experience in human factors, system engineering, computer programming and digital biomarkers is required. The candidate must also have completed at least 1 year of postdoctoral research training. Preferred qualifications: a) Proficiency in Python and/or R and Java and/or C++; b) Familiar with signal processing and time series analysis; c) Experience with VR/AR/MR platforms (e.g. Unity, Unreal); d) Experience in conducting human factors, XR and/or medical simulation experiments.

Interested candidates are asked to send a cover letter and Curriculum Vitae to Michael VanRooyen, MD, MPH, Chairman, Department of Emergency Medicine, Mass General Brigham. Please apply by email to mdeloge@bwh.harvard.edu

We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, pregnancy and pregnancy-related conditions or any other characteristic protected by law.