



**Fellowship in Medical Simulation
Neil and Elise Wallace
STRATUS Center for Medical Simulation
Brigham and Women's Hospital
Harvard Medical School**



Mission

This two year fellowship in medical simulation will, through experiential, didactic, and formalized graduate education, provide the participant with the skills necessary to conceive, design, develop, implement, manage, and assess programs utilizing medical simulation in their curricula. The goal of the fellowship is to prepare the participant to enter the next phase of his or her academic career at a leadership level in a medical simulation center, such as medical director, co-director, or associate director level.

Applicant Qualifications

The applicant must have graduated from an AAMC accredited (or equivalent) medical school and have either graduated from or successfully completed the second year of an approved ACGME residency program. Successful completion of USMLE parts 1, 2 and 3 is required. A record of achievement in medical education, as provided by letters of reference, publications, teaching evaluations, or prior specialized training or experience in medical education is desired, but not required.

Elements of Simulation Fellowship

- Independent and didactic training in the history and theoretical basis of simulation in medical education.
- Instruction in the operation and programming of a variety of medical simulation technologies, including:
 - High-Fidelity Human Patient Simulators
 - Partial Task Simulators
 - Computerized Simulation Technologies
 - Virtual Reality Simulators
 - Simulation Audio-Visuals
 - Learning Management Systems
 - Data Management Systems
- Mentored and graded participation in the conception, design, development, implementation (including scenario building, programming, and debriefing), and assessment of simulation programs offered to a wide variety of participants at multiple levels of training including medical students, residents, fellows, attending physicians, nurses, and allied health professionals in many medical and allied health specialties. It is anticipated that the fellow will, with the assistance of faculty mentors, conceive, design, develop, implement, and assess at least two programs during the fellowship. Fellows will develop a portfolio of simulation cases that shall be submitted for evaluation.
- Matriculation in the Harvard Graduate School of Education for completion of a Masters degree in Education, concomitantly with other fellowship activities and requirements. Flexible scheduling, tuition, fees, and up to \$1000.00 in textbooks and course materials are provided by STRATUS.
- A minimum of two scholarly projects are to be successfully completed and submitted for publication during the fellowship.
- Funded travel to at least one scientific meeting annually in North America, as approved by the fellowship director.

Clinical work

Fellows who have completed an ACGME accredited residency training program will be eligible for clinical work in their specialty at Brigham and Women's Hospital or an affiliated hospital, subject to approval by the clinical leadership within that specialty.

The Neil and Elise Wallace STRATUS Center of Medical Simulation

The Simulation, Training, Research, and Technology Utilization System (STRATUS) Center for Medical Simulation is a fully interdisciplinary medical simulation center that provides training for a wide variety of medical and allied health practitioners at all levels of training. STRATUS leadership and faculty include physicians from the Departments of Emergency Medicine, Surgery, Anesthesiology, Obstetrics and Gynecology, Gastroenterology, Pulmonary/Critical Care, General Medicine, Orthopedics, amongst others. STRATUS has an active educational and technological simulation research agenda. Currently undergoing an expansion, STRATUS will encompass >10,000 square feet when fully completed; the first phase completed in June 2008. STRATUS is supported by both Brigham and Women's Hospital and the Brigham and Women's Physician's Organization, as well as educational and research grants. Brigham and Women's Hospital, a major teaching affiliate of Harvard Medical School, has residencies and fellowships in 57 specialties, as well as a robust research agenda, with total research expenditures topping \$370 million in FY2005 (> \$253 million in NIH grants [ranked 2nd amongst independent hospitals]).

Faculty

Charles Pozner, MD
Assistant Professor of Medicine
Harvard Medical School
Medical Director
Fellowship Director

Douglas Smink, MD, MPH
Assistant Professor of Surgery
Harvard Medical School
Associate Medical Director

Sarah Peyre, Ed. D.
Instructor of Surgery
Harvard Medical School
Director of Education and Research
Associate Fellowship Director

Andreas Gomoll, MD
Orthopedic Surgery

Sarah Wisner, MD
Anesthesiology

Paul Dellaripa, MD
Medicine

Jon Einarsson, MD, MPH
Minimally Invasive Gynecologic Surgery

Kenneth Christopher, MD
Nephrology

Robert Insoft, MD
Newborn Medicine

For more information, please contact:

Charles Pozner, MD
Fellowship Director
Neil and Elise Wallace STRATUS Center for Medical Simulation
Brigham and Women's Hospital
126C Neville House
10 Vining Street
Boston, MA 02115
cpozner@partners.org
(617) 732-8187
(617) 688-8003