

Residents and Fellows Research Day 2016  
A Program of the Theresa and Eugene M. Lang Center  
For Research and Education

May 18 Keynote Address

## Medical Simulation as a Quality and Safety Imperative in Modern Health Care

**James A. Gordon, M.D., M.P.A., has been named keynote speaker for Residents and Fellows Research Day 2016.** Dr. Gordon currently directs the Learning Laboratory at Massachusetts General Hospital and serves as Chief of the Division of Medical Simulation in the Department of Emergency Medicine. He is Professor of Emergency Medicine and Medicine at Harvard Medical School, where he directs the Gilbert Program in Medical Simulation and serves as an Academy Scholar. In addition, Dr. Gordon co-founded the Institute for Medical Simulation at the Center for Medical Simulation in Boston, Massachusetts.



Dr. James A. Gordon

Using case examples from the Harvard medical community, Dr. Gordon's address will explore the philosophy and science of simulation in health care, with a particular focus on experiential-affective theories of learning, clinical competency assessment, and interprofessional workforce development.

In his article, "As Accessible as a Book on a Library Shelf: The Imperative of Routine Simulation in Modern Health Care," published in the January 2012 issue of the *CHEST Journal*, Dr. Gordon examines how medical simulation has become an important bridge between education and quality in modern health care, a concept highlighted as an institutional priority leading up to the Massachusetts General Hospital Bicentennial Celebration (1811-2011):

"Technology-enhanced patient simulation has emerged as an important new modality for teaching and learning in medicine. In particular, immersive simulation platforms that replicate the clinical environment promise to revolutionize

medical education by enabling an enhanced level of safety, standardization, and efficiency across health-care training. Such an experiential approach seems unique in reliably catalyzing a level of emotional engagement that fosters immediate and indelible learning and allows for increasingly reliable levels of performance evaluation—all in a completely risk-free environment. As such, medical simulation is poised to emerge as a critical component of training and certification throughout health care, promising to fundamentally enhance quality and safety across disciplines." (*CHEST* 2012; 141(1):12-16)

Dr. Gordon served as principal investigator and national co-chair of the first federally funded research consensus conference on simulation in health care and was a founding board member of the international Society for Simulation in Healthcare. He was recently selected to receive the Hal Jayne Award for Excellence in Education by the Society for Academic Emergency Medicine and has earned special recognition for distinguished service to its Simulation Academy. His work has been featured in the *New Yorker* and highlighted as medical news in the *Journal of the American Medical Association* (*JAMA*).

After studying intellectual history and earning a bachelor's degree at Princeton University, Dr. Gordon earned his M.D. degree at the University of Virginia Medical School and completed his training in emergency medicine at the University of Michigan. Following residency, he completed a fellowship in the Robert Wood Johnson Clinical Scholars Program and earned an M.P.A. degree at the University of Michigan School of Public Policy. Dr. Gordon also served as a Morgan-Zinsser Teaching Fellow at Harvard Medical School.