Julian M. Goldman, M.D.
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Julian M. Goldman, MD is Medical Director of Biomedical Engineering for Partners HealthCare System, Founding Director of the Program on Medical Device Interoperability at CIMIT (Center for Integration of Medicine and Innovative Technology), and a principal anesthesiologist in the Massachusetts General Hospital "Operating Room of the Future".

Dr. Goldman founded the Medical Device "Plug-and-Play" (MD PnP) Interoperability Program in 2004 to promote innovation in patient safety and clinical care by leading the adoption of patient-centric medical device integration. The MD PnP program team was the recipient of the 2007 CIMIT Edward M Kennedy award for Healthcare Innovation.

Dr. Goldman performed anesthesiology residency and fellowship training at the University of Colorado. His research fellowship was in medical device informatics, focusing on simulation and artificial intelligence applications for monitoring and real-time decision support. He departed Colorado in 1998 as a tenured associate professor to work as an executive of a medical device company. Dr. Goldman joined Harvard Medical School and the Department of Anesthesia, Critical Care, and Pain Medicine at the Massachusetts General Hospital in 2002, where he continues to practice clinical anesthesia.

Dr. Goldman serves on the NSF CISE Advisory Committee, and served as a Visiting Scholar in the FDA Medical Device Fellowship Program and as a member of the CDC BSC for the NCPHI. He currently serves in leadership positions in several medical device standardization organizations including Chair of ISO Technical Committee 121, Chair of the Use Case Working Group of the Continua Health Alliance, and User Vice Chair of ASTM Committee F29. Dr. Goldman is the recipient of the International Council on Systems Engineering 2010 Pioneer Award, American College of Clinical Engineering (ACCE) 2009 award for Professional Achievement in Technology, the 2009 AAMI Foundation/Institute for Technology in Health Care Clinical Application Award, and the University of Colorado Chancellor's "Bridge to the Future" award.

Title: Dying for an Interface: The Un-kept Promises of Computers in Medicine.

Abstract: Computer and information technology applications for healthcare and medicine have not had the success many expected. Many tragic and sometimes even fatal problems are ultimately caused by poor engineering, bad user interface designs, unconstructive business models, and short-sighted regulation. Current research areas that hold promise for resolving these issues and thereby improving medical outcomes and lowering healthcare costs, including research conducted by Dr. Goldman's own team, will be presented.