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**MARK E. FRISSE, M.D., M.S., M.B.A.**

SEEING SYSTEMS DIFFERENTLY: HOW CAN INFORMATICS  
SUPPORT 21ST CENTURY AMERICAN HEALTH CHALLENGES?

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4:00 P.M.

208 LIGHT HALL



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DEPARTMENT OF BIOMEDICAL INFORMATICS

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Upcoming Discovery Lecture:

**ELENA FUENTES-AFFLICK, M.D., M.P.H.**

*University of California, San Francisco*

*February 26, 2015*

*208 Light Hall / 4:00 P.M.*

VANDERBILT  UNIVERSITY  
MEDICAL CENTER

## SEEING SYSTEMS DIFFERENTLY: HOW CAN INFORMATICS SUPPORT 21ST CENTURY AMERICAN HEALTH CHALLENGES?

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Advances in biomedical science have led to remarkable progress in the diagnosis and treatment of disease. The application of new scientific discovery extends life and eases the burden of chronic illness. With progress comes an increased demand for more complex care management – particularly in the elderly. These new demands challenge a system of care that is often fragmented, incomplete, inadequate, or unsustainable. Many needs go unmet and some elements of our health care delivery system teeter on the brink of collapse.

These pressing societal challenges are being addressed through new models of care based on the products of engineering, informatics, management, and clinical research. Collectively, they constitute components of new, sustainable, learning healthcare systems. Through a series of historical and contemporary vignettes, this lecture will address how several areas of established and nascent technologies are converging toward transformative solutions.

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Mark Frisse is the Accenture Professor in the Department of Biomedical Informatics at Vanderbilt University School of Medicine. He seeks to understand how informatics, economics, policy, and systems approaches can contribute to more effective and sustainable health care. At Vanderbilt, Dr. Frisse led the development and oversight of a six-year federal- and state-sponsored effort to create and operate a health information exchange for the greater Memphis area. His more recent work has been on machine-assisted privacy policy enforcement, clinically integrated network formation, care transitions, and new approaches to the care of the frail elderly. Dr. Frisse was a pioneer in information retrieval, hypertext, digital libraries, and consumer web sites. He has held leadership positions at Washington University, Express Scripts, and the First Consulting Group. He is a board certified internist trained in hematology-oncology.

Dr. Frisse received his undergraduate degree from the University of Notre Dame, his MD and MBA degrees from Washington University in St. Louis, and a Masters in Medical Information Science from Stanford University. He is a past Board Member of the American Medical Informatics Association, the eHealth Initiative, and SureScripts, LLC. He is currently an advisor to several early stage technology companies. He is a Fellow of the American College of Physicians, the American College of Medical Informatics, and the New York Academy of Medicine. He is a Member of the Institute of Medicine of the National Academies.

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