HEALTHCARE INNOVATION SYMPOSIUM XXVII

HOW CAN WE USE DATA TO IMPROVE HEALTHCARE?

Robert Califf, MD, MACC

Vice Chancellor for Health Data Science
Duke University
Advisor to Google Verily
Former FDA Commissioner

Tuesday, April 9, 2019
12:00-2:00 pm
Emory University School of Medicine

HEALTHCARE INNOVATION SYMPOSIUM 27

How Can We Use Data to Improve Healthcare?

Featuring Robert Califf, MD, MAAC
Vice Chancellor for Health Data Science, Duke University
Advisor to Google Verily
Former Commissioner of the FDA

Tuesday, April 9, 2019
12:00 – 2:00 pm
School of Medicine Auditorium
Emory University

12:00 – 12:05 pm: **Welcome, Introductions**
Fred Sanfilippo, MD, PhD
Director, Emory-Georgia Tech Healthcare Innovation Program

12:05 – 12:45 pm: **Keynote Presentation**
How Can We Use Data To Improve Healthcare?
Robert Califf MD, MACC
Vice Chancellor for Health Data Science, Duke University
Advisor to Google Verily
Former FDA Commissioner

12:45 – 1:30 pm: **Panel Presentations**

Gari Clifford, DPhil
Interim Chair, Department of Biomedical Informatics, Emory University
Associate Professor, Biomedical Informatics & Biomedical Engineering
Emory University and Georgia Tech

Mark Braunstein, MD
Professor of the Practice
School of Interactive Computing, College of Computing
Georgia Institute of Technology

Vicki Stover Hertzberg, PhD, FASA
Professor and Director, Center for Data Science
Nell Hodgson Woodruff School of Nursing, Emory University

Roy Simpson, DNP, RN, DPNAP, FAAN, FACMI
Clinical Professor
Associate Dean of Technology Management
Office of Academic Advancement
Nell Hodgson Woodruff School of Nursing, Emory University

1:30 – 2:00 pm: Open Discussion Q&A

ROBERT CALIFF, MD, MACC
Vice Chancellor for Health Data Science
Duke University

Robert M. Califf, MD, MACC, is vice chancellor for health data science and director of Duke Forge, the Center for Actionable Health Data Science at Duke Health, Donald F. Fortin, MD Professor of Cardiology in the Duke University School of Medicine, Chair of the Board of the People Centered Research Foundation, and an advisor for Verily Life Sciences, a member of the Alphabet family of companies formed by Google. He served in the administration of President Barack Obama as Deputy Commissioner for Medical Products and Tobacco in the U.S. Food and Drug Administration (FDA) from 2015-106, and as Commissioner of Food and Drugs from 2016-2017.

Prior to joining the FDA, Dr. Califf was a professor of medicine and vice chancellor for clinical and translational research at Duke University. He was founding director of the Duke Clinical Research Institute. A nationally and internationally recognized expert in cardiovascular medicine, health outcomes research, healthcare quality, and clinical research, Dr. Califf has led many landmark clinical trials and is one of the most frequently cited authors in biomedical science, with 1,250 publications in the peer-reviewed literature. Dr. Califf is a member of the National Academy of Medicine (formerly the Institute of Medicine [IOM]). Dr. Califf has served on numerous IOM committees, and was a member of the FDA Cardiorenal Advisory Panel and FDA Science Board's Subcommittee on Science and Technology. Dr. Califf has also served on the Board of Scientific Counselors for the National Library of Medicine, as well as on advisory committees for the National Cancer Institute, the National Heart, Lung, and Blood Institute, the National Institute of Environmental Health Sciences, and the Council of the National Institute on Aging.

He has led major initiatives aimed at improving methods and infrastructure for clinical research, including the Clinical Trials Transformation Initiative (CTTI), a public-private partnership co-founded by the FDA and Duke. He also served as the principal investigator for Duke's Clinical and Translational Science Award and the NIH Health Care Systems Research Collaboratory coordinating center, and as co-PI of the National Patient-Centered Clinical Research Network (PCORnet). He currently serves as chair of the board of the People-Centered Research Foundation, a not-for-profit organization that is supporting and extending the work of PCORnet.

Dr. Califf is a graduate of Duke University School of Medicine. He completed a residency in internal medicine at the University of California, San Francisco and a fellowship in cardiology at Duke.
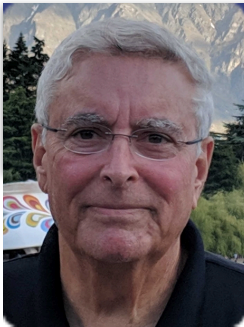
GARI CLIFFORD, DPHIL
Interim Chair, Dept. of Biomedical Informatics
Emory University

Dr. Clifford is currently the Interim Chair of Biomedical Informatics at Emory University and an Associate Professor in Biomedical Engineering at Georgia Institute of Technology, where he leads research into streaming critical care and mHealth Big Data analytics. After training in Mathematical and Theoretical Physics, he received a DPhil in Neural Networks and Biomedical Engineering from the University of Oxford. He received postdoctoral research training from the Massachusetts Institute of Technology when he later became a Principal Research Scientist, managing the development of the world's largest open access critical care database (MIMIC II). From 2009 to 2014 he was Associate Professor of Biomedical Engineering at the University of Oxford. Dr. Clifford has an international reputation in scalable and affordable healthcare: finding ways to use novel signal processing, machine learning and physiological modeling to reduce costs, increase accuracy and improve access in healthcare using enormous data streams.

MARK BRAUNSTEIN, MD
Professor of the Practice
College of Computing
Georgia Institute of Technology

An author and thought-leader in the field, Dr. Braunstein is a professor of health informatics for the School of Interactive Computing in the College of Computing at the Georgia Institute of Technology where he teaches Introduction to Health Informatics, a popular graduate seminar, both on campus and as part of the OMSCS program.

He is the author of Health Informatics on FHIR: How HL7's New API is Transforming Healthcare (Springer, 2018), a broad introduction to the FHIR API-based interoperability standard that is having an enormously positive impact on innovation in the field. Earlier, he wrote Practitioner's Guide to Health Informatics(Springer, 2014), an introduction to modern health informatics for physicians and other non-technical readers, and Contemporary Health Informatics (American Medical Informatics Association, 2012), an introductory textbook. He also offers Health Informatics on FHIR, a free, public MOOC on Coursera.

Dr. Braunstein is involved in various research projects at Georgia Tech, and works with and advises numerous community and industry groups.

ROY L. SIMPSON, DNP, RN, DPNAP, FAAN, FACMI
Associate Dean of Technology Management
Nell Hodgson Woodruff School of Nursing
Emory University

Roy Simpson has more than 30 years of experience in nursing informatics and in senior executive administration. His primary executive research focus pioneered the development and funding of the Werley and Lang Nursing Minimum Data Set (NMDS).

NMDS is a minimum set of nursing data elements with uniform definitions and categories, including nursing problems, diagnoses, interventions and patient outcomes approved by the American Nurses Association.

Simpson joined Cerner in 2000. He also holds an academic appointment as clinical professor with Emory University's Nell Hodgson Woodruff School of Nursing's new Doctorate of Nursing Practice (DNP) program. He has served on the board of trustees for Excelsior College, formerly Regents College, at the State University of New York. In 2001, he served as the Frances and Earl Ziegler Visiting Scholar at the University of Oklahoma and in 2002 as the Merle Lott Distinguished Lecturer at Georgia State University.

He served as the 2000 distinguished professor at the University of Wales during the European Summer School on Nursing Informatics in 2002. He received the Informatics Award from Rutgers University in 1999, and the Maes MacInnis Award, from New York University, in 2003.

In 2007, Simpson was awarded honorary international membership in the International Medical Informatics Association and also international membership in Sigma Theta Tau International, representing his scholarship and his contribution for the field of informatics.

Simpson lectures extensively around the world and has published more than 500 articles on nursing informatics. He also sits on 12 editorial review boards, and is a fellow of the American Academy of Nursing, New York Academy of Medicine and the National Academies of Practice. He attained a doctorate in nursing practice, executive leadership/informatics, from American Sentinel University

VICKI STOVER HERTZBERG, PHD
Professor and Director, Center for Data Science
Nell Hodgson Woodruff School of Nursing
Emory University

Dr. Hertzberg is an internationally-recognized expert on "big data" and its impact on health care. She is widely known for her work measuring social contacts in emergency departments and disease transmission on aircraft. Her research has been funded by the National Institute of Neurological Disorders and Stroke, the National Institute of Environmental Health, and the National Institute of Allergy and Infectious Disease, among others. Her work has been published in high impact journals, including the New England Journal of Medicine, Proceedings of the National Academy of Sciences, PLoS one, and Pediatrics.

FRED SANFILIPPO, MD, MS, PHD
Director, Emory-Georgia Tech Healthcare Innovation Program

Fred Sanfilippo, MD, PhD directs the Emory-Georgia Tech Healthcare Innovation Program, which has a mission to accelerate innovation in healthcare research, education, and service. For over 30 years he has been an academic leader at Duke, Johns Hopkins, Ohio State and Emory; serving as a division chief, department chair, program/center director, dean, medical center CEO, university senior/executive VP, health system board chair and academic health center CEO. During that time he has led organizational and cultural changes yielding improved academic, clinical, and financial performance at each institution. He also led the creation of the US Scientific Registry of Transplant Recipients; Johns Hopkins Medical Labs; a personalized health plan (YP4H) at OSU; and novel departments and centers in areas ranging from biomedical informatics to personalized and integrative health.

Sanfilippo received his BA and MS in physics from the University of Pennsylvania, and his MD and PhD in immunology from Duke, where he also did his residency training, receiving board certification in Anatomic & Clinical Pathology, and Immunopathology.

Investigator-Initiated Seed Grants in Healthcare Innovation

Announcing the twelfth round of research seed grants in Healthcare Innovation. Grants will fund multi-investigator & multi-disciplinary teams examining healthcare services and clinical effectiveness. Awards will support innovative approaches that address issues of healthcare quality, costs, and/or access that are consistent with the goals of the Healthcare Innovation Program.

For more information scan the code or visit
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Deadlines
Letters of Intent due April 15, 2019
Proposals due May 15, 2019

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U.S. Healthcare:
What's Broken & How to Fix It

Healthcare Innovation
2018-19 Symposia Series

Featured Speakers and Panel Topics

December 4, 2018

Antony Rosen, MBChB, MD
Vice Dean for Research and Professor of Medicine
Johns Hopkins Medicine
How Precision Medicine Can Help Everyone

February 20, 2019

Mary Naylor, PhD, RN, FAAN
Director, New Courtland Center for Transitions and Health
University of Pennsylvania School of Nursing
Fumbling the Handoff in Transition Care

March 19, 2019

Student Symposium
Students speakers in health-related fields
from local Georgia CTSA institutions
Religion in Healthcare

April 9, 2019

Robert Califf, MD, MACC
Vice Chancellor for Clinical & Translational Initiatives
Duke University
Advisor to Google Verily
Former FDA Commissioner
Can Data Really Improve Healthcare?

A series of quarterly symposia sponsored by the Emory-Georgia Tech Healthcare Innovation Program (HIP) and the Georgia Clinical & Translational Science Alliance (Georgia CTSA). The symposia are free to attend and open to all faculty, staff and students.

Visit www.hip.emory.edu for more information

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