



THE EVOLVING FUTURE OF MEDICAL EDUCATION

Mark Tykocinski, MD

Provost and Executive Vice President for
Academic Affairs

The Anthony F. and Gertrude M. DePalma Dean
Sidney Kimmel Medical College
Thomas Jefferson University

Monday, December 2, 2019

12:00-2:00 pm

Emory University School of Medicine



EMORY
UNIVERSITY



Healthcare
Innovation Program



Georgia CTSA
Georgia Clinical & Translational Science Alliance

HEALTHCARE INNOVATION SYMPOSIUM 29

The Evolving Future of Medical Education

Monday, December 2, 2019

12:00 – 2:00 pm

School of Medicine Auditorium 110, Emory University

12:00 – 12:05 pm: Welcome, Introductions

Fred Sanfilippo, MD, PhD

Director, Emory-Georgia Tech Healthcare Innovation Program

Professor, School of Medicine and Rollins School of Public Health

Emory University

12:05 – 12:45 pm: Keynote Presentation

Mark Tykocinski, MD

Provost and Executive Vice President for Academic Affairs

Anthony F. and Gertrude M. DePalma Dean Sidney Kimmel Medical College

Thomas Jefferson University

12:45 – 1:30 pm: Panel Presentations

J. William Eley, MD, MPH

Executive Associate Dean

Office of Medical Education and Student Affairs

Professor, Hematology/Medical Oncology

Emory University School of Medicine

Martha L. Elks, MD, PHD

Professor of Medical Education

Senior Associate Dean of Educational Affairs

Morehouse School of Medicine

Michael Eriksen, SCD, SCM

Interim Vice President for Research and Economic Development

Regents' Professor

Founding Dean of the School of Public Health

Georgia State University

Richard DeMillo, PHD

Executive Director

Center for 21st Century Universities (C21U)

Charlotte B. and Roger C. Warren Chair of Computer Science

Professor of Management

Georgia Institute of Technology

1:30 – 2:00 pm: Open Discussion Q&A



MARK TYKOCINSKI, MD

Provost and EVP for Academic Affairs
Thomas Jefferson University

Mark Tykocinski, MD, joined Thomas Jefferson University in December 2008 and over the ensuing decade has served there in several leadership capacities. As the Anthony F. and Gertrude M. DePalma Dean of its Sidney Kimmel Medical College, Tykocinski oversees the nation's 5th medical college with a storied, almost two-century legacy and the largest medical alumni base in the nation.

In his first five years at Jefferson, Tykocinski also served as President of Jefferson University Physicians, and in 2013, stepped down from this role to become the first Provost and Executive Vice President for Academic Affairs of the university. With the groundbreaking 2017 merger with Philadelphia University, he now leads a combined university academic enterprise that comprises ten colleges spanning a range of professional training pathways, from health to design, fashion and architecture.

Before joining Jefferson in 2008, Tykocinski was professor and chair of the Department of Pathology and Laboratory Medicine at the University of Pennsylvania for a decade. Under his leadership, it emerged as the #1 NIH-funded department of its kind in the country. Tykocinski's research contributions have been in the fields of molecular and cellular immunology, cell surface engineering, and biologics innovation. He has pioneered new categories of fusion protein pharmaceuticals, with applications to cancer and autoimmune diseases. Tykocinski serves as scientific advisory board chair for KAHR-Medical, the Israeli biotech company he founded in 2007 for fusion protein pharmaceuticals. Tykocinski's scientific contributions also extend to the development of novel cell therapy strategies and the engineering of a novel class of mammalian gene expression vectors now distributed worldwide. He holds a series of research patents in the fields of molecular and cellular immunology, and is a Fellow of the National Academy of Inventors.

Tykocinski is past president of the American Society for Investigative Pathology (ASIP/FASEB) and the Association of Pathology Chairs. He has been honored with the Warner-Lambert/Parke-Davis Award for Outstanding Research from ASIP/FASEB, lifetime achievement awards from the Philadelphia County Medical Society and the Philadelphia-Israel Chamber of Commerce, and the Distinguished Alumnus Award from NYU School of Medicine.

Tykocinski graduated magna cum laude with a bachelor's degree in biology from Yale University and earned his medical degree from New York University.



J. WILLIAM ELEY, MD, MPH

Executive Associate Dean

Medical Education and Student Affairs, GME, CME
Emory University School of Medicine

Dr. Bill Eley is a native of Georgia who received an undergraduate degree in chemistry, an MD Degree, and a Masters in Public Health — all from Emory University. After completing his Internal Medicine and Oncology training, Dr. Eley joined the faculty in the Department of Epidemiology at the newly formed Rollins School of Public Health at Emory University in 1989.

Dr. Eley taught medical students clinical epidemiology from 1989 until 2007. His service on the School of Medicine Admissions Committee led to his appointment as Associate Dean and Director of Admissions in 2000. In 2004 he was appointed Executive Associate Dean for Medical Education and Student Affairs, and in 2013 was additionally named Executive Associate Dean of Graduate Medical Education and Continuing Medical Education at the Emory University School of Medicine.

His research interests have focused on the differences in survival between African-American and Caucasian women diagnosed with breast cancer, using population based studies. He continues to practice oncology at the Winship Cancer Institute of Emory University and at Grady Memorial Hospital.

“My experience at Emory thus far has given me immense opportunity for growth as a physician, teacher, and researcher. My appointment as Associate Dean and now Executive Associate Dean affords me great privilege to work with bright, creative, and dedicated students, residents, and colleagues.” Dr. Eley’s focus is to develop successful strategies to develop, recruit, support and sustain a diverse healthcare workforce; develop and implement strategies to improve the wellbeing of students, residents and caregivers in healthcare; and to create and implement curricula that address the needs of the 21st century healthcare provider, emphasizing patient centered, high-quality care.

Dr. Eley served on Emory University's Creativity, Art, and Innovation Steering Committee, the Medical School Admissions Committee, numerous executive search committees and as Chair of the Medical School’s Executive Curriculum Committee. He previously served as the Chair of the American Cancer Society’s Council for Extramural Grants. Currently, at Emory he serves on the Interprofessional Education & Collaborative Practice Council, the School of Medicine Council of Chairs, the University’s Campus Development Committee and the Faculty Sustainability Committee.



MARTHA ELKS, MD, PHD

Senior Associate Dean for Educational Affairs
Dean of Undergraduate Medical Education
Morehouse School of Medicine

Dr. Martha Elks is Senior Associate Dean for Educational Affairs, Associate Dean of Undergraduate Medical Education, and Professor of Medical Education and Medicine at Morehouse School of Medicine. In her leadership roles at Morehouse, she has led the integration of the MD curriculum, and the expansion of degree programs. She is recognized nationally as a leader in medical education.

Dr. Elks, born and raised in rural eastern North Carolina, is a graduate of Duke University and has an MD and PhD (Neurobiology) from the University of North Carolina at Chapel Hill. She completed her internship in Internal Medicine at Johns Hopkins and residency in Medicine at Hopkins and at The NIH in Bethesda, Maryland. She also completed a fellowship in Endocrinology at the NIH. She is board-certified in Medicine and Endocrinology.

From 1985-1998 she served as Chief of the Division of Endocrinology and Director of Student Education in the Department of Medicine at Texas Tech Health Science Center in Lubbock Texas. In 1998, she was recruited to Morehouse School of Medicine as Chair and Professor of Medical Education, Associate Dean for Medical Education, and Professor of Medicine. In 2008, she was promoted to the position as Senior Associate Dean for Education and Faculty Affairs.

Dr. Elks has over 60 peer reviewed publications. Her scholarly activity has included research on serotonin synthesis and release in rat brain, biochemistry of fat cell metabolism, and control of insulin release. She has also published studies on premenstrual syndrome, obesity, and diabetes, as well as on ethical and educational issues. She has received funding from the Gold Foundation for establishing the White Coat Ceremony, and the Student Clinician ceremony at Morehouse. Her research and scholarly activity have been funded by the American Diabetes Association and HRSA.

Dr. Elks has received numerous teaching awards including the John Templeton Foundation Award and was honored by the Gold Foundation with the Humanism in Medicine Award.



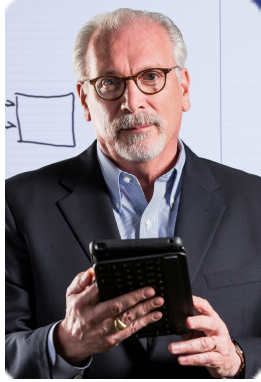
MICHAEL ERIKSEN, SCD, SCM

Interim Vice President for Research and Economic Development
Georgia State University

Dr. Michael Eriksen is Interim Vice President for Research and Economic Development at Georgia State University, and Regents' Professor and founding Dean of the School of Public Health. He also has served as director of Georgia State University's Tobacco Center of Regulatory Science (TCORS).

Prior to his current positions, Eriksen served as a senior advisor to the World Health Organization in Geneva and was the longest-serving director of the Centers for Disease Control and Prevention's Office on Smoking and Health (1992-2000). Previously, Eriksen was director of behavioral research at the M.D Anderson Cancer Center. He has recently served as an advisor to the Bill & Melinda Gates Foundation, the Robert Wood Johnson Foundation, the American Legacy Foundation, and the CDC Foundation.

Eriksen has published extensively on tobacco prevention and control and is the lead author of *The Tobacco Atlas*. He has served as an expert witness on behalf of the US Department of Justice and the Federal Trade Commission in litigation against the tobacco industry. He is editor-in-chief of *Health Education Research* and has been designated as a Distinguished Cancer Scholar by the Georgia Cancer Coalition. He is a recipient of the WHO Commemorative Medal on Tobacco or Health and a Presidential Citation for Meritorious Service, awarded by President Bill Clinton. Eriksen is a past president and Distinguished Fellow of the Society for Public Health Education, and has been a member of the American Public Health Association for over 40 years.



RICHARD DEMILLO, PHD

Executive Director Center for 21st Century Universities (C21U)
Georgia Institute of Technology

Dr. Richard A. DeMillo is the Charlotte B. and Roger C. Warren Chair of Computer Science and Professor of Management at Georgia Tech. He founded and directs the Center for 21st Century Universities, which is Georgia Tech's living laboratory for fundamental change in higher education. He is responsible for educational innovation at Georgia Tech and is a national leader and spokesman in the online revolution in higher education. Under his leadership, Georgia Tech has developed a pipeline of 50 Massive Open Online Courses (MOOCs) that together enroll a million learners. Georgia Tech's innovation projects include new research in blended learning and a groundbreaking MOOC-based Master's degree in computer science that offers a Georgia Tech degree for under \$7,000. He was named Lumina Foundation Fellow in recognition of his work in higher education.

Previously Dr. DeMillo was the John P. Imlay Dean of Computing at Georgia Tech where he led the design and implementation of the Threads program which has helped transform undergraduate engineering education in the US and around the world. His influential 2011 book "Abelard to Apple: The Fate of American Colleges and Universities," which helped spark the national discussion of the future of higher education, was inspired by this experience. A sequel entitled "Revolution in Higher Education: How a Small Band of Innovators will make College Accessible and Affordable" was published by MIT Press in 2015.

Prior to Georgia Tech, Dr. DeMillo was Hewlett-Packard's first Chief Technology Officer, where he had worldwide responsibility for technology. He led HP through technology revolutions in super computing, printing, open source software, information security, and nanotechnology. Previously he had been in charge of Research at Bellcore, where he oversaw the development of many internet and web-based innovations. He also directed the Computer and Computation Research Division of the National Science Foundation. During his twenty-year academic career, he has held academic positions at Purdue University, The University of Wisconsin and the University of Padua (Italy).

The author of over 100 articles, books, and patents, Dr. DeMillo's research has spanned computer science and includes fundamental innovation in computer security, software engineering and mathematics. He is a Fellow of both the Association for the Advancement of Science and the Association for Computing Machinery.



FRED SANFILIPPO, MD, MS, PHD

Director

Emory-Georgia Tech Healthcare Innovation Program
Professor, School of Medicine and Rollins School of
Public Health
Emory University

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. He also serves as Professor of Pathology and Laboratory Medicine and Health Policy and Management at Emory, and Medical Director of the Marcus Foundation. 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 Health and Integrative Medicine.

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. He has mentored 33 graduate student and fellows, served on 13 editorial boards, published over 250 articles, received three patents, and been awarded over \$30 million in sponsored research. He has been board chair of five non-profits, and president of seven academic and professional organizations including the American Society of Investigative Pathology and the American Society of Transplantation.

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