

# HEALTHCARE INNOVATION STUDENT SYMPOSIUM



## LEVERAGING TECHNOLOGY IN HEALTHCARE INNOVATION

Tuesday, March 6, 2018  
12:00 -2:00 pm  
Rollins School of Public Health  
Emory University

# PROGRAM

12:00-12:10

## IHI & HIP Opening Remarks

Michelle Licht, Shenelle Armstrong, Laura Davenport, Joyce Kim, Mathu Kumarasamy, SE Chang, and Diane Siegel  
*Student Symposium Planning Committee Chairs*

### Susan Margulies, PhD

Wallace H. Coulter Chair

Georgia Research Alliance Eminent Scholar in Injury Biomechanics

Wallace H. Coulter Department of Biomedical Engineering

Georgia Tech College of Engineering and Emory University School of Medicine

*Symposium Moderator*

12:10-12:15

## Student Presentations

### Medicine

Michael Arenson

*Predicting Readmission for Kidney Transplant Recipients*

### Sociology

Allison Roberts

*Selling Health*

### Medicine

Raheel Jajja

*Standardization of Operative Techniques for Minimally Invasive Hepatectomy*

*Improving Cost-Value Relationship through Value Stream Mapping*

### Medicine and Public Health

Marissa Baranowski

*Benefits and Applications of Teledermatology for Rural Veterans*

### Law and Public Health

Michelle Licht

*The Law and Healthcare Innovation*

1:15-1:30

## Remarks from Susan Margulies, PhD

*Symposium Moderator*

1:30-2:00

## Panel Q & A

## SYMPOSIUM MODERATOR & ADVISOR



Susan Margulies, PhD, has been named the Wallace H. Coulter Chair of the Coulter Department of Biomedical Engineering (BME) at Georgia Tech and Emory University, and a Georgia Research Alliance Eminent Scholar in Injury Biomechanics. As the new chair, Margulies oversees a department that is consistently ranked as one of the nation's most prominent programs of its kind in both graduate and undergraduate education.

The Coulter Department, which was launched in 1997, is a visionary partnership between a leading public engineering school and a highly respected private medical school. The department uses the latest engineering technologies, clinical insights and biological approaches to address unmet clinical challenges in pediatric bioengineering, regenerative medicine, immunoengineering, cardiovascular and neural engineering, imaging, and biomedical computing.

Margulies earned her B.S.E in Mechanical and Aerospace Engineering at Princeton University and Ph.D. in Bioengineering from the University of Pennsylvania. After a postdoctoral fellowship and faculty appointment at Mayo Medical School, she joined the faculty at the University of Pennsylvania in 1993. Her research program spans the micro-to-macro scales in two distinct subfields: traumatic brain injury in children and ventilator-induced lung injury. Margulies focuses on prevention, intervention, and treatments. She has pioneered new methods for measuring functional effects of large or repeated tissue distortions, identified injury tolerances and response cascades, and translated these basic research discoveries to preclinical therapeutic trials to mitigate and prevent brain and lung injuries in children and adults.

Over the years, as principal investigator she has secured over \$34 million in federal funding from the National Institutes of Health, National Science Foundation, Centers for Disease Control and Prevention, Department of Transportation, and private foundations. Her recent engagement and negotiations with industry have led to \$1.5 million in corporate research agreements. Her scholarship has been disseminated in over 350 papers, abstracts, book chapters, and numerous media features.

While directing a large, translational, interdisciplinary research program, she has taught more than fifteen undergraduate and graduate courses and has had a broad range of administrative roles at the departmental, school, and institutional levels. She has received honors for improving the lives of women faculty and for excellence in teaching and mentoring. Margulies has created new programs to improve faculty and student diversity, access, engagement and professional development, as well as leading initiatives to enhance cross-campus research, training, and education, and engagement with industry and alumni.

## MICHAEL ARENSON

### MEDICINE



Mike is currently an MD/MSCR student working with mentor Dr. Rachel E. Patzer's in the Emory Transplant Outcomes Center. Ultimately, he hopes to be an academic pediatrician with a research focus in child trauma. He also writes the medical ethics column in Emory Health magazine.

*Faculty Mentor: Dr. Rachel Patzer, Associate Professor, Division of Transplantation, Department of Surgery, Emory University School of Medicine*

## ALLISON ROBERTS

### SOCIOLOGY



Allison Roberts is a fourth year doctoral student in Emory's Sociology department. She is interested in how the United States healthcare system affects care quantity, quality, and innovation. She has a particular interest in how the system incentivizes the rise of specialty services, such as weight-loss surgery. Due to these interests, her dissertation focuses on the interaction between health policy and healthcare innovation through specialty services and marketing, utilizing text analysis of hospital websites and a longitudinal study of hospital procedures. She previously received her BA from Vanderbilt University, where she graduated magna cum laude with a double major in Sociology and English.

*Mentor: Karon Schindler, Executive Director, Health Sciences Publications, Emory University*



Raheel Jajja is a general surgery resident at Emory University. He has completed three years of surgical training and is currently on a research sabbatical in the laboratory of Dr Lily Yang. His clinical and research interests are in improving the management and treatment strategies for hepato-pancreato-biliary (HPB) diseases. Raheel's laboratory work focuses on the use of targeted nanoparticles in pre-clinical models of gastrointestinal cancers for imaging, therapeutics, and image guided surgery. The eventual goal is to translate these findings to human clinical trials. He also has several ongoing clinical outcomes research projects to identify areas of improvement in HPB surgery based on existing clinical data.

*Faculty Mentor: Dr. Juan Sarmiento, Associate Professor, Division of General and GI Surgery, Department of Surgery Emory University School of Medicine*



Marissa Baranowski is a 4th year MD/MPH student pursuing a career in dermatology. Marissa loves that in medicine we are all both teachers and learners, and hopes to be an academic clinician-educator. Her research interests include skin cancer disparities and surveillance practices as well as teledermatology. Outside of the classroom she enjoys running, crossword puzzles, and hanging out with her pup, Lord Moxley.

*Faculty Mentor: Dr. Howa Yeung, Instructor, Department of Dermatology, Emory University School of Medicine*

**LAW & PUBLIC HEALTH**

Michelle Licht is a third-year JD/MPH student with a concentration in health policy. She is interested in regulatory and compliance issues for hospitals and physician practice groups. Previously, Michelle interned for the U.S. Department for Health and Human Services in the Office for Civil Rights and the Office of the General Counsel. Michelle has completed the TI:GER program, where she provided legal advice to a medical device startup, and provided biotechnology legal consulting services to African scientists at a conference in Johannesburg, South Africa. Michelle will be returning to Morris, Manning & Martin for her second summer as a Summer Associate in the firms' healthcare practice group.

*Faculty Mentor: Dr. Liza Vertinsky, Associate Professor, Emory University School of Law*

**STUDENT SYMPOSIUM PLANNING COMMITTEE****Michelle Licht**

Graduate Assistant, Emory-Georgia Tech Healthcare Innovation Program  
2018 JD/MPH Candidate, Emory School of Law and Rollins School of Public Health

**Shenelle Armstrong**

Graduate Assistant, Emory-Georgia Tech Healthcare Innovation Program  
2018 MPH Candidate, HPM, Rollins School of Public Health, Emory University

**Laura Jones**

Graduate Assistant, Emory-Georgia Tech Healthcare Innovation Program  
2019 MPH Candidate, BSHE, Rollins School of Public Health, Emory University

**Joyce Kim**

Co-President, Institute for Healthcare Improvement (IHI) Open School, Emory Chapter  
Emory University School of Medicine Class of 2018

**SE Chang**

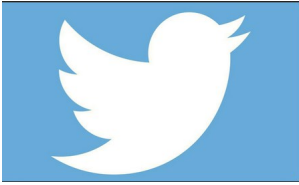
Co-President, Institute for Healthcare Improvement (IHI) Open School, Emory Chapter  
2018 MBA Candidate, Goizueta Business School, Emory University

**Diane Siegel**

Vice President of Education, Institute for Healthcare Improvement (IHI) Open School, Emory Chapter  
Emory University School of Medicine Class of 2018

**Mathu Kumarasamy**

Program Advisor, Emory-Georgia Tech Healthcare Innovation Program  
Project Management Consultant, Office of Quality, Emory Healthcare



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Emory University

The mission of the IHI Open School is to advance health care improvement and patient safety competencies in the next generation of health professionals worldwide.

Launched in September 2008, the IHI Open School provides students of medicine, nursing, public health, pharmacy, health administration, dentistry, and other allied health professions with the opportunity to learn about quality improvement and patient safety at no charge. The online, educational community features a growing catalog of online courses, extensive content and resources, and a network of local Chapters that organize events and activities on campuses around the world. For more information visit <https://sites.google.com/site/openschoolatlanta/>



Healthcare  
Innovation Program



The Healthcare Innovation Program (HIP) is an interactive network among members of the Georgia Clinical & Translational Science Alliance (Georgia CTSA) that provides information, resources, and community connectivity to support and enhance innovation in healthcare research, education, and service. Key topics include quality, cost and access to health services across the contexts of providers, payers, and recipients.

Please visit our website for more information about the Health Innovation Program

[www.HIP.emory.edu](http://www.HIP.emory.edu)

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



## Healthcare Innovation 2017-18 Symposia Series

### Featured Speakers and Panel Topics

**October 26, 2017**

**Lisa Simpson, MB, BCh, MPH, FAAP**

President & CEO  
AcademyHealth

*Trends in Health Services Research*

**November 28, 2017**

**David Nash, MD, MBA**

Dean, Jefferson College of Population Health  
Thomas Jefferson University

*Leadership in Population Health*

**March 6, 2018**

**Student Symposium**

Students speakers in health-related fields  
from local Georgia CTSA institutions

*Leveraging Technology in Healthcare Innovation*

**March 28, 2018**

**Mark McClellan, MD, PhD**

Director, Robert J. Margolis Center for Health Policy  
Duke University

*Burning Issues in Health Policy*

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

Visit [www.hip.emory.edu](http://www.hip.emory.edu) for more information



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