



Health Systems Science Academy

2019–2020 Scholars Program



Dec. 8–9 | AMA Plaza

Welcome!

Welcome to the 2019-2020 AMA Health Systems Science (HSS) Scholars Program. The HSS Scholars Program, the flagship program of the American Medical Association Health Systems Science Academy, is intended to provide development and mentoring to those faculty with responsibility for the implementation of HSS curricula in undergraduate medical education or graduate medical education. Specifically, the program will provide scholars with the skills and tools necessary to design, implement and evaluate HSS curricula at their local institutions. In addition, through mentoring by national faculty experts in HSS, scholars will acquire the skills needed to advance as a teacher, an education program administrator and a leader in HSS.

The AMA Health Systems Science Academy, directed by Dr. Maya Hammoud and Dr. Jed Gonzalo, was established in 2019 to cultivate a national community of medical educators and health care leaders who will drive the necessary transformation to achieve the Triple Aim: improved patient experience, improved health of populations and reduced cost of care. In addition to providing faculty development and curricular resources, the academy serves as a community that advances the field through curricular implementation and research development.

We are very excited you have joined the scholars program and hope to provide you with excellent training and mentoring to help you meet your goals. Our program's faculty are nationally recognized educators and experts in HSS as well as curriculum development and implementation. We appreciate your participation and your passion for HSS.

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Senior adviser



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Accelerating Change in Medical Education initiative: <http://changemeded.org>
Health Systems Science: <https://www.ama-assn.org/education/accelerating-change-medical-education/teaching-health-systems-science>
Accelerating Change in Medical Education online community:
<https://innovationmatch.ama-assn.org/groups/ace-community/>

Brian Bales, MD

**Assistant Professor of Emergency Medicine
Block director of the quality improvement and
patient safety course
Vanderbilt University School of Medicine**



Dr. Bales is an assistant professor with the Department of Emergency Medicine at Vanderbilt University Medical Center, course director for four quality improvement (QI) and patient safety (PS) courses at Vanderbilt University School of Medicine, and faculty adviser for the Point of Care Ultrasound (POCUS) and Wilderness Medicine (WMS) student interest groups at the school of medicine. After completing his residency at the University of Cincinnati he completed a global health

fellowship at Vanderbilt during which he received his Diploma of Tropical Medicine and Hygiene through the Gorgas Course. He later completed a POCUS fellowship at Vanderbilt. He serves as a faculty mentor within the residency and assists with a number of undergraduate medical education endeavors within the department. Additionally, he serves as teaching faculty for the National VA POCUS SimLearn Course in Orlando, FL and is involved in a number of professional organizations. He has served as principle investigator of a number of trials centered around biomarkers in heart failure and serves as the research director of the POCUS division within the Department of Emergency Medicine. He has focused interests in international development of emergency medicine and POCUS and continues to work with the Vanderbilt supported emergency medicine residency in Georgetown, Guyana. He looks forward to his new role teaching QI and PS courses and has been spending much of his time this year working to update curriculum and knowledge assessments for the courses.

SCHOLAR

Maren Batalden, MD, MPH

**Assistant Professor of Medicine
Associate Chief Quality Officer
Associate Graduate Medical Education Director
for Quality and Safety
Harvard Medical School/Cambridge Health
Alliance**



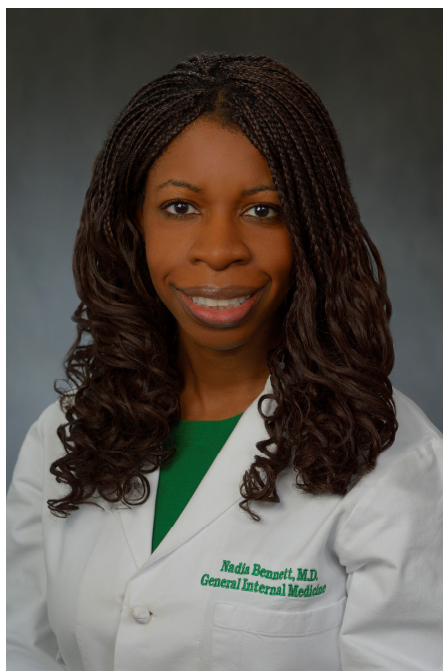
Maren Batalden, MD MPH, is the Associate Chief Quality Officer at the Cambridge Health Alliance and Senior Director for Medical Management within the institution's accountable care organization. She also serves as the institution's Associate Graduate Medical Education Director for Quality and Safety and teaches health

systems science and leadership to students, residents and multidisciplinary mid-career health professionals. She is professionally prepared as a general internist and works clinically as a hospitalist. She is an Assistant Professor of Medicine at Harvard Medical School.

Nadia Bennett, MD, MEd

**Associate Professor of Clinical Medicine
Associate Dean of Clinical and Health Systems
Sciences Curriculum
University of Pennsylvania, Perelman School of
Medicine**

Dr. Nadia Bennett is an associate professor of clinical medicine and academic hospitalist at the hospital of the University of Pennsylvania and Penn Presbyterian Medical Center. She currently serves as the Associate Dean of Clinical and Health Systems Sciences Curriculum at the Perelman School of Medicine. Dr. Bennett's major area of interest is medical education with a focus on curriculum development and health systems sciences. She served as the internal



medicine clerkship director from 2013-2019 before transitioning to her current role in UME education. She also serves as the director for the MD/PhD Clinical skills course at the Perelman School of Medicine.

SCHOLAR

Charles Chima, MBBS, DrPH, MSc

Assistant Professor of Population Health Science

Director of Graduate Education

John D. Bower School of Population Health (SOPH), University of Mississippi Medical Center

Dr. Charles Chima, MBBS, DrPH, MSc, is the Director of Graduate Education and an Assistant Professor of Population Health Science at the John D. Bower School of Population Health (SOPH), University of Mississippi



Medical Center (UMMC). He trained as a physician at the University of Nigeria and worked in primary care for two years. He then studied epidemiology at the University of London and subsequently obtained a Doctor of Public Health degree in health services research and global health with further training in biomedical informatics at the University of Texas Health Science Center at Houston. Dr. Chima also completed a postdoctoral research fellowship in primary care at the Baylor College of Medicine, Houston, Texas. Dr. Chima's expertise and interests include: using implementation research, health information technology and health informatics to improve diabetes and cardiovascular disease prevention and management; population health and health systems transformation strategy, innovation and execution; and population health scholarship and pedagogy.

Amy Christison, MD

**Assistant Professor of Pediatrics
Assistant Pediatric Residency
Program Director
University of Illinois College of
Medicine at Peoria**



Dr. Amy Christison is an Assistant Professor in the Department of Pediatrics at the University of Illinois College of Medicine at Peoria (UICOM-P). She has been the team leader of HSS curriculum as part of a larger curricular transformation for the three UICOM campuses for the past three years. Her 29 years as a general pediatrician in ambulatory and hospital settings and her experience in private sector medical leadership informed her work in this area. As the director of a pediatric weight management program at the Children's Hospital of Illinois, her current clinical and research focus has been in the prevention and management of childhood obesity, especially as it pertains to systems of care, practice-based research and clinical outcomes. She has served on state and national-level obesity work groups for the American Academy of Pediatrics and the Children's Hospital Association. She is a member of two national research networks: Childhood Obesity Multi-Program Analysis and Study System (COMPASS), and Pediatric Obesity Weight Evaluation Registry (POWER). Dr. Christison earned her medical degree from the Feinberg School of Medicine, Northwestern University and completed her residency training at Comer Children's Hospital, University of Chicago. She is the assistant pediatric residency program director charged with overseeing resident research, a fellow of the American Academy of Pediatrics and board certified in pediatrics and obesity medicine.

SCHOLAR

Ashwini Davison, MD, MS

**Assistant Professor of General
Internal Medicine
Associate Director of Education
for the Division of Health
Sciences Informatic
Co-Leader for the Health Systems
Science Horizontal Strand
Johns Hopkins University School of Medicine**



Dr. Ashwini Davison is the Associate Director of Education for the Division of Health Sciences Informatics at Johns Hopkins University School of Medicine. She is an Assistant Professor in General Internal Medicine with a joint appointment in Informatics and secondary appointment in Health Policy and Management. In the School of Medicine, she is the Co-Leader for the Health Systems Science Horizontal Strand core theme and the Course Director for the annual Clinical Informatics selective offered to 1st year medical students. Dr. Davison is very passionate about the 3rd pillar of medical education—health systems science (HSS)—and the need to introduce students to each of the domains as early as possible in their medical school journey. Her research interests are in the use of EHR simulation for training and assessment in medical education as well as in characterizing and validating clinical decision support interventions that provide price transparency at the point of care. She has a wealth of applied informatics experiences in clinical algorithm development, digital health and population health management. Dr. Davison is board-certified in internal medicine with subspecialty certification in clinical informatics and is a Fellow of the American Medical Informatics Association (AMIA). She received her undergraduate degree from Stanford, her medical degree from UCLA and trained in the Osler Internal Medicine residency program at Hopkins. She has developed and directed innovative online programs in the School of Public Health and has been recognized for excellence in teaching for her course Essentials of Population Health Management.

Susan DeRiemer, PhD

**Professor Professional and
Medical Education
Co-Director of the Nashville
Interprofessional Education
Collaborative
Director of IMPACT K-12
Outreach Initiative
Meharry Medical College**



Dr. Susan DeRiemer is Professor Professional and Medical Education at Meharry Medical College. Her overarching goal in medical education is to empower students from underserved populations. She is Co-Director of the Nashville Interprofessional Education Collaborative, Director of Meharry's IMPACT K-12 Outreach Initiative and member of the Geriatric Education Center. She served as Deputy Director of Meharry's Research Center in Minority Institutions program where she helped implement the Center for HIV/AIDS Research and Center for Women's Health. She has a broad teaching and curriculum development portfolio including designing four new courses incorporating health systems science and the largest and most diverse interprofessional training activity in Tennessee. She has been project leader on institutional initiatives including a campus-wide assessment of the LGBTQI environment, global health initiatives incorporating international electives and collaboration with the University of Zambia, a national conference series on Ethical Issues in HIV and Substance Use Research, and IT infrastructure upgrades. Dr. DeRiemer completed her PhD in the Department of Pharmacology at Yale University as a National Science Foundation graduate fellow. She did postdoctoral research at the Max-Planck Institute for Biophysical Chemistry in Göttingen, FRG as Hoffman-LaRoche fellow of the Life Sciences Research Foundation before taking a faculty position at Columbia University. She held Alfred P. Sloan and Klingenstein Foundation fellowships and was a Basil O'Connor Scholar of the March of Dimes Foundation. Her basic science research focused on cellular mechanisms of neuroplasticity, development and regeneration of synapses and modulation of behaviorally relevant neural networks.

SCHOLAR

Megha Garg, MD, MPH

**Assistant Professor of Medicine
Assistant Chief of
Hospital Medicine
University of
California, San
Francisco**

Dr. Garg is an internal medicine hospitalist and clinician-educator at the San Francisco VA Medical Center, where she also serves as the Assistant Chief of Hospital Medicine. She is Assistant Professor of Medicine at the University of California, San Francisco.



She has an interest in advocacy, social justice and diversity. Dr. Garg is the course director of a first-year medical student course in the UCSF School of Medicine, “Health and the Individual/Health and Society.” The course is focused on the social and behavioral sciences, including physician/patient identity, socio-ecological determinants of health, health disparities, health care finance and structures, and physician advocacy. Additionally, she teaches about advocacy curriculum to the UCSF Internal Medicine residents.

SCHOLAR

Meghan Geary, MD

Assistant Professor of Medicine
Co-director of the Longitudinal Integrated Clerkship
Brown Medicine

Meghan Geary is a general internist at the Center for Primary Care at Rhode Island Hospital. She is also co-director of the Longitudinal Integrated Clerkship and the Population and Clinical Medicine Course at the Warren Alpert Medical School of Brown University. She completed her undergraduate degree in biology and anthropology at Washington University in St. Louis. Prior to medical school at Albany Medical College, she did HIV related work in San Francisco, Boston and South Africa. Her clinical interests include refugee health and the intersection of women's health and addiction treatment in primary care.



Outside of work she enjoys any activity that gets her outside (i.e. hiking, biking, gardening) or reading library books.

David Gilbert, MD

Clinical Assistant Professor Chair of the Executive Curriculum Committee Brody School of Medicine at East Carolina University

Dr. Gilbert's primary interests are in undergraduate medical education curriculum and assessment. His academic and clinical training and experiences have allowed him to serve in a variety of settings including community preceptor, assistant clerkship director at two institutions, and co-director of the doctoring courses at Brody School



of Medicine at East Carolina University. He currently serves as the chair of the Executive Curriculum Committee at Brody which oversees their curriculum as a whole. He completed the University of North Carolina Faculty Development Fellowship in 2019 where he further honed his skills in scholarship, leadership and education. His current focus is on vertical and horizontal integration of clinical skills with foundational and health sciences across Brody's curriculum.

Mitchell Gitkind, MD

**Assistant Dean of Health Systems Science
Associate Professor of Medicine and Surgery
University of Massachusetts Medical School**

Mitchell J. Gitkind, MD is Assistant Dean of Health Systems Science and Associate Professor of Medicine and Surgery. Dr. Gitkind received his medical degree from the University of Massachusetts. He completed an internship and residency in internal medicine and a fellowship in gastroenterology. His current clinical focus is obesity medicine and bariatric surgery. Dr. Gitkind has held multiple positions in hospital administration at UMass



Memorial Medical Center in Worcester, Massachusetts, most recently associate chief medical officer. He currently serves as Assistant Dean of Health Systems Science for UMass Medical School, responsible for development and support of related curriculum for students enrolled in their school of medicine as well as residents and fellows in their GME programs.

Ronan Hallowell, EdD

Assistant Professor of Clinical Medical Education

Associate director of the USC Center for Mindfulness Science Keck School of Medicine of USC

Ronan Hallowell, EdD, MA is an assistant professor of clinical medical education at the Keck School of Medicine of USC. As a learning scientist in the Department of Medical Education, he works with colleagues to provide a suite of curriculum and



instruction services to faculty and administrators that include instructional design, faculty development and the Physician-Citizen-Scientist Curriculum Renewal Initiative. He currently serves as a co-investigator on a digital health literacy grant funded by the AMA as part of its Accelerating Change in Medical Education initiative. Dr. Hallowell also conducts research on curriculum design, medical humanities and cross-cultural perspectives on medicine. He works with faculty at the

Gehr Family Center for Health Systems Science as a co-instructor for the Introduction to Health Policy selective for second year MD students. In addition, he is part of the team creating a new health systems science curriculum to be launched in 2021 as part of a larger curriculum renewal initiative. Dr. Hallowell also serves as an associate director of the USC Center for Mindfulness Science, which is a collaborative hub for interdisciplinary research and innovation in the practice of mindfulness.

SCHOLAR

Joseph Happel, MD

**Attending Physician, Internal Medicine
Walter Reed National Military Medical Center**

Inspired by his work embedded with a Marine Corps light attack



helicopter squadron, Dr. Happel returned to formal training in internal medicine with a new perspective on how complex systems naturally tend toward chaos and how sub-optimal processes can lead to adverse events. As chief of residents at Walter Reed National Military Medical Center, he worked hard to generate enthusiasm in graduate medical education for pushing residents to develop best practices at the local level that could then be shared with policymakers at the Defense Health Agency. He is a full-time internist gainfully employed in the Primary Care Medical Home at Walter Reed. His wife, Sarah, is a CNRA, and they have a son, Charles.

Jonathan Harrell, MD

**Clinical Assistant Professor
Medical Director of the UF
Mobile Outreach Clinic
University of Florida College of
Medicine**



Dr. Harrell graduated from the University of Florida College of Medicine in 2010. As a medical student, Dr. Harrell was heavily involved in community outreach as a volunteer at the student-run Equal Access Clinic and through working to establish the Gainesville Community Ministry Clinic and the UF Mobile Outreach Clinic. He moved on to complete his residency in internal medicine at the University of Kentucky where he focused on issues of rural health care. As primary care chief resident, he also helped establish a partnership with the Lexington Salvation Army to have weekly IM resident staffing of their health clinic. After completing residency in 2013, Dr. Harrell joined the UF COM faculty as medical director of UF Family Medicine at Old Town, which is UF Health's predominantly rural outreach clinic for primary care. He has subsequently taken on the role of associate course director for Introduction to Clinical Medicine 1 and 2. In 2017, he became Medical Director of the UF Mobile Outreach Clinic. Dr. Harrell has always had a particular interest in population health and the interplay between socio-ecological barriers and patient health, including prior to his medical training where he pursued projects in Harlem, NY and Nairobi, Kenya. Currently, Dr. Harrell is working on projects in Alachua county that promote population health, including the development of a needle exchange program for the county as well as a CHW training program organized by the Mobile Outreach Clinic.

Iman Hassan, MD, MS

Director for Community and Population Health Initiatives, Internal Medicine Residency Montefiore Health System

Dr. Iman is the Director for Community and Population Health Initiatives at the Internal Medicine Residency Program in the Division of General Internal Medicine. She oversees the internal medicine residency social determinants of health curriculum and is working on initiatives to help address social determinants of health in residency education. In addition to developing social determinants of health curricula for medical trainees, Iman has a special interest in working with underserved and marginalized populations, addressing social determinants in the clinical setting, increasing community engagement, and promoting physician



advocates. Iman completed her residency training in the Primary Care/Social Internal Medicine residency program at Montefiore Hospital in Bronx, NY and went on to complete her fellowship in the Academic Clinician-Educator Scholars program at the University of Pittsburgh Medical Center, receiving a Masters in Medical Education.

SCHOLAR

Lisanne Hauck, MD, MEd

**Clinical Professor of Pediatrics
Director of Practice of Medicine Course
CCNY-CUNY School of Medicine**

Dr. Hauck was a pediatric ICU physician for nearly 25 years and was a physician-educator, working with medical students, residents and fellows. She was the Associate Director of the PICU Fellowship Program at RWJUH-Rutgers Medical School for many years. She loved teaching and decided to go back to school to obtain a Master's Degree in Medical Education. She graduated from the University of Pennsylvania in 2016. Since then, she has



worked as the Practice of Medicine Course Director for first and second year medical students at the CUNY School of Medicine in NYC. Besides teaching history taking and physical diagnosis skills, she is involved with medical ethics, narrative medicine and professionalism. She is looking forward to working

on expanding the HSS Curriculum at her institution.

Beth Hawks, PhD

Assistant Professor of Preventive Medicine and Biostatistics

Program Director of Master of Health

Administration and Policy

The Uniformed Services University of the Health Sciences



LCDR Beth Hawks is an Assistant Professor in Preventive Medicine and Biostatistics in the School of Medicine at the Uniformed Services University of the Health Sciences. She also serves as the Program Director of the Masters in Health Administration and Policy program. Her research interests include health policy, public management,

organizational performance and health services research. LCDR Hawks teaches a series of health care administration courses, including Healthcare Financial Management Fundamentals of U.S. Healthcare Policy and Strategic Planning for Healthcare Systems, to graduate students at USU. Her health care management experience includes five years in the long-term care industry and nine years of hospital and clinic management in the military health system. Additionally, LCDR Hawks is a licensed nursing home administrator and a certified defense financial manager.

Paul Ko, MD, MEd

Associate Professor of Emergency Medicine Association Dean of Curricular Development & Oversight Indiana University School of Medicine

Paul Ko, MD, MEd, is Associate Professor of Emergency Medicine and Associate Dean for Curricular Development & Oversight at Indiana University School of Medicine. His areas of interest include curricular design and development, assessment & evaluation in medical education, and design of competency-based medical education in undergraduate medical education. After graduating from Boston University School of Medicine, he received his residency training in Emergency Medicine at the hospital of the University of Pennsylvania. He subsequently received a Masters in Education of Health Professions through Johns Hopkins University. Prior to coming to IU, he served for more than a decade on faculty at SUNY Upstate Medical University, serving in various roles within the curriculum leadership team. His research interests include the utilization of Entrustable Professional Activities in UME assessment, high fidelity simulation as assessment, and the implementation of accreditation in the UME domain.



SCHOLAR

Yee Lam, MD, PhD

**Assistant Professor of Family Medicine
Director of fourth year HSS course
University of North Carolina School of Medicine**

Yee Lam, MD, PhD is an assistant professor in the Department of Family Medicine at the University of North Carolina (UNC) at Chapel Hill. She earned a doctor of philosophy degree from the Department of Materials Science and Mechanical Engineering at Duke University, Durham, North Carolina, a medical degree from the UNC Chapel Hill, and completed her family medicine residency and fellowship at UNC Hospitals in Chapel Hill. Dr. Lam practices both inpatient and outpatient medicine. She teaches medical students at UNC in all four years of training. She teaches in the third year HSS course and is the director of the fourth year HSS course.



Jacob Thomas Luty, MD

**Assistant Professor of Hospital Medicine
Medical Director of Performance Improvement
for GME
Oregon Health & Science University**



Dr. Luty is a lifelong Oregonian who came to medicine via a basic science research background and now enjoys his position as an academic hospitalist and the Medical Director of Performance Improvement for Graduate Medical Education (GME) at Oregon Health & Science University (OHSU). In this latter role, Dr. Luty works with clinical and education leadership at OHSU to educate and engage the GME community in matters

relating to quality improvement and patient safety (QI/PS) aligned with the methodology and strategic priorities of OHSU. Working as the Curriculum Director for OHSU's innovative GME-wide QI/PS simulation curriculum and the faculty lead of the OHSU Housestaff Quality and Safety Council, Dr. Luty has experience in curriculum development, assessment and the translation of learning to practical application in the clinical learning environment. When not at work, he enjoys sampling new Oregon restaurants and IPAs, burning off the associated calories on a run or a swim, and spending time with his wife and three children.

Stephanie Mann, MD, MS-HPed

**Associate Professor of Maternal Fetal Medicine
Associate Dean for the Undergraduate Clinical
Curriculum
University of Toledo College of
Medicine**



Stephanie Mann MD, MS-HPed is a clinically active maternal fetal medicine specialist and the Associate Dean for Clinical Education at the University of Toledo College of Medicine. Dr.

Mann earned her medical degree from George Washington University, completed her ob-gyn residency training at Stony Brook University in New York, her maternal-fetal medicine fellowship training at Harbor-UCLA Medical Center in Torrance, CA, and most recently her MS HPed from the Massachusetts General Hospital Institute for Healthcare Professions. Dr. Mann has a long-standing interest in innovative approaches to medical education and employs a constructivist approach to curriculum design, implementation and evaluation with a focus on incorporating best principles of workplace-based learning. Her research and educational endeavors have been focused on developing curricula in both the undergraduate and graduate medical education spheres that are focused on ensuring students and residents acquire the knowledge and skills to provide high quality, high value health care that takes into consideration the needs of the individual patient as well as the population at large. In her role as Associate Dean, she is overseeing the third- and fourth-year curriculum with a focus on horizontal integration of HSS competencies that span the four years of a student's education. The proposal being developed for the AMA HSS program is a pilot curriculum that Dr. Mann and her colleagues have developed to introduce systems-based value-added early learning experiences (VAELES) to medical students starting on day 1 of their education.

SCHOLAR

Jay Morrow, DVM, MPH

**Chair of the Department of Population Health
Associate Dean of Clinical and Translational
Research**

**University of Texas Rio Grande Valley School of
Medicine**

Dr. Morrow joined the UTRGV School of Medicine in September 2018 as the Associate Dean of Clinical and Translational Research, a position he holds in addition to Chair of the Department of Population Health and Biostatistics. He brings a wide range of



experience leading various clinical, educational and research initiatives throughout the University of Texas System. He previously served as director of research development at UT Austin Dell Medical School, director of the statewide Texas Health Improvement Network at UT System Population Health, as research program manager for UT Southwestern Department of Internal Medicine, and member of the UT Southwestern Simmons Cancer Center in the Population Science and Cancer Control Program.

David Musick, PhD

**Professor of Internal Medicine
Senior Dean of Faculty Affairs
Director of Interprofessional Learning
Domain
Virginia Tech Carilion
School of Medicine**



David W. Musick serves as Senior Dean for Faculty Affairs, Director of Interprofessional Learning and Professor, Internal Medicine for the Virginia Tech Carilion School of Medicine. Dr. Musick joined the faculty and administration at Virginia Tech Carilion School of Medicine in July 2013. Dr. Musick earned his bachelor's degree from Milligan College, his master's degree in sociology from East Tennessee University, and his doctorate in educational evaluation and policy studies from the University of Kentucky. He held part-time teaching appointments at three universities prior to specializing in medical education beginning in 1992. Prior to joining the faculty and administration at Virginia Tech Carilion, Dr. Musick worked in medical education at the University of Kentucky College of Medicine, the University of Pennsylvania School of Medicine and East Carolina University/Brody School of Medicine. He has also had previous faculty and administrative roles in physical medicine and rehabilitation, medical humanities and interdisciplinary studies. His research interests include medical education assessment & program evaluation, curriculum development, medical professionalism & the learning environment, biomedical ethics and spirituality and medicine. Dr. Musick has served in various capacities as a member of eight professional organizations; he currently reviews scholarly submissions for ten journals and has been awarded eight different grants pertaining to curriculum development in medical education. He has authored or co-authored over 50 peer reviewed abstracts and journal articles and has received national awards for both teaching and research.

Ryan Pong, MD

Designated Institutional Official Medical Director of Graduate Medical Education Program Director, Transitional Year Virginia Mason Medical Center

Ryan Pong, MD is the Designated Institutional Official and Medical Director of Graduate Medical Education at Virginia Mason Medical Center, where he also serves as Program Director, Transitional Year. He is a member of the Anesthesiology Faculty at Virginia Mason as well as Clinical Instructor at the University of Washington, Department of

Anesthesiology. Dr. Pong is a graduate of Loma Linda University School of Medicine and completed both his transitional year and anesthesiology residencies at Virginia Mason Medical Center followed by a fellowship in neuroanesthesiology at the University of Washington. Virginia Mason is noted for its innovative implementation of the principles of lean management (Virginia Mason Production System (VMPS)) over the past 18 years, resulting in significant improvements in efficiency, safety and patient experience. Ryan started residency at Virginia Mason one year after VMPS was implemented and has had the opportunity to experience the transformation of the health care system from both the vantage point as a resident in the clinical learning environment as well as a leader. He has participated in VMPS education, completing VMPS for Leaders training as well as learning during the Japan Genba Kaizen immersive experience held in Japan.



Valerie Press, MD, MPH

**Assistant Professor of Medicine and Pediatrics
Executive Medical Director of Specialty Value
Based Care
University of Chicago**

Valerie Press is an Assistant Professor of Medicine and Pediatrics and the Executive Medical Director of Specialty Value Based Care at the University of Chicago. She received her undergraduate, medical, and public health degrees from the University of Michigan before completing her med-peds residency at the University of Chicago. After residency she completed a Hospitalist Scholars Health Services Research Fellowship. Since fellowship she has completed both an internal KM1 and an NIH K23 career development award and is currently funded by an NIH R03 grant. In addition to her research program, Dr. Press's education roles with the medical school include recently completing six years as co-director of Pritzker's Health Care Disparities course for first year medical students and currently serving as a core faculty member for the Pritzker School of Medicine AMA consortium as the Social Sciences Track Leader for Pritzker's Scholarship and Discovery Program. She also leads the COPD interprofessional sub-track for the longitudinal patient-centered clinical care course. In her role as Medical Director with the Center for Care Transformation she Co-Directs the COPD Value Based Care Program and supports other specialty value-based care programs.



Ryan Ribeira, MD, MPH

Clinical Assistant Professor of Emergency Medicine

**Assistant Medical Director of Stanford Emergency Department
Stanford University School of Medicine**

Ryan Ribeira, MD, MPH (@ryanribeira) is Assistant Medical Director of the Stanford Emergency Department and a Clinical Assistant Professor at Stanford Medical School where he teaches health system science and is developing their digital health program. He has been



heavily involved in health technology, having worked at Google overseeing all health search products and is currently founder and CEO of SimX, one of the first and largest providers of VR medical simulation software. He has also worked extensively in health care policy, sitting currently on the CMA's delegation to the AMA and on the ACEP section council. He is a former board member for the American Medical Association, the California Medical Association and CALPAC. He has previously worked for CMS, AHRQ and the FDA. He got his BS in Business Management from Brigham Young University, his MD from the UC Davis School of Medicine, and his MPH in Healthcare Policy and Management from Harvard. He lives in Mountain View, California with his wife, GayLynn Ribeira, who is a fine artist, and their three children.

Anastasia Rowland-Seymour, MD

**Director of Preventive Medicine and Community Health Engagement of the Physician Assistant Program
Case Western Reserve University**

Dr. Rowland-Seymour received her BA from Amherst College in Chemistry and Black Studies. She went on to earn an MD from Columbia University College of Physicians and Surgeons and subsequently completed her residency in Internal Medicine/Primary Care at Columbia Presbyterian Hospital in New York City. She subsequently pursued a fellowship in Integrative



Medicine at the University of Arizona. As a clinician educator, Anastasia Rowland-Seymour has been immersed in resident and medical student education since finishing residency and has availed herself of several training programs in adult education pedagogy and medical education curriculum development. Currently in the position of overseeing the preclinical curriculum for medical students at the School of

Medicine at CWRU, she has the wonderful opportunity to help shape future colleagues into compassionate, skilled, relationship-centered providers who understand the impact that social determinants have on health and disease, and will see patients as partners in their health.

Rachel Marie Salas, MD, MEdHP

**Associate Professor of Neurology
Director of the Neurology Clerkship and the
Director for Interprofessional Education and
Collaborative Practice
Johns Hopkins University School of Medicine
Chair of the American Academy of Neurology
Consortium of
Clerkship Directors**

Dr. Rachel Marie E. Salas is an Associate Professor in Neurology at Johns Hopkins School of Medicine, with a joint appointment at the School of Nursing. She is the Director of the Neurology Clerkship and the Director for Interprofessional Education and Collaborative Practice (IPCP) for the School of Medicine, and she is a faculty adviser for the Master of Education in the Health Professions program at Johns Hopkins School of Education. Dr. Salas is Chair of the American Academy of Neurology Consortium of Clerkship Directors and a Co-Director for Interprofessional Teaming for the High-Value Practice Academic Alliance. Dr. Salas was recently selected as a 2019-2021 Josiah Macy Jr. Faculty Scholar.



Jennifer Salcedo, MD, MPH, MPP

**Associate Professor of Obstetrics and
Gynecology
Residency Program Director
University of Texas Rio Grande Valley**



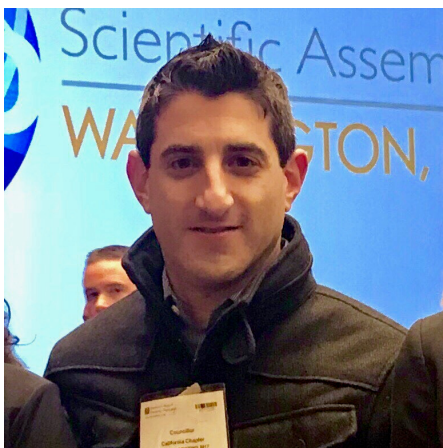
Dr. Jennifer Salcedo is an Associate Professor and Residency Program Director in the Department of Obstetrics and Gynecology at the University of Texas Rio Grande Valley (UTRGV) where she recently received a complement increase for an innovative Border and Underserved Obstetrics & Gynecology Leadership Development (BOLD) track. She received her medical degree and

Master of Public Health at Northwestern University, completed residency training at the University of California, Irvine, and finished a fellowship in family planning at the University of California, Los Angeles. During fellowship, she received a Master of Public Policy with a concentration in healthcare. Dr. Salcedo is board certified in Obstetrics and Gynecology and received the Focused Practice Designation in Pediatric and Adolescent Gynecology from the American Board of Obstetrics and Gynecology. She has held leadership positions in the American College of Obstetricians & Gynecologists, American Society of Reproductive Medicine, and the North American Society for Pediatric and Adolescent Gynecology. Dr. Salcedo has authored more than 30 peer reviewed publications in women's health.

Nicolas Sawyer, MD, MBA

**Assistant Professor of Emergency Medicine
Health Policy Fellowship Director
Social Media Director
UC Davis School of Medicine**

Nick Sawyer, MD, MBA earned a bachelor's degree in neurobiology, physiology and behavior at UC Davis. He then attended UC Irvine School of Medicine & Paul Merage School of Business for a combined 5-year MD-MBA program. He attended emergency medicine residency at Carolinas Medical Center in Charlotte, NC. After residency, Dr. Sawyer completed a combined health policy and advocacy fellowship at UC Davis Medical Center Department of Emergency Medicine and California Chapter of the American College of Emergency Physicians (ACEP) and has served on the California ACEP



Board of Directors. Currently, Dr. Sawyer serves as Assistant Professor of Emergency Medicine, Health Policy Fellowship Director, and Social Media Director at UC Davis Department of Emergency Medicine. He is also Instructor of Record of Population Health and System Science at UC Davis School of Medicine where he led the development and implementation of a health systems science experiential learning curriculum called UNITED (Understanding Needs in the Emergency Department).

Karen Segerson, MD

Clinical Assistant Professor of Medicine University of Washington



Dr. Karen Segerson attended the University of Washington School of Medicine and completed her residency in internal medicine at the University of Utah where she additionally served as chief resident. She is currently a Clinical Assistant Professor in the Department of Medicine at the University of Washington where she practices hospital and perioperative medicine, cares for patients, teaches both clinically and in the School of Medicine, creates curricular content, and conducts medical education research. She has an extensive background in medical education programmatic administration, faculty development, and curricular development. Dr. Segerson previously served as the Associate Program Director for Medicine Subspecialty Fellowships in the University of Utah Internal Medicine Program where she guided fellowship program curriculum renewal and competency based programmatic revision. Dr. Segerson has completed certificate programs in the Medical Scholars Medical Education Research Program at the University of Utah, the Center for Scholarship in Quality Improvement and Patient Safety Certificate Program at the University of Washington, and the Institute of Health Improvement Online Open School Certificate in Quality Improvement and Patient Safety. She has been lead for the University of Washington School of Medicine health systems curricular theme since 2016 and teaches health systems science in the Ecology of Health and Medicine course.

SCHOLAR

Lili Shek, MD, MHDS

**Associate Program Director of Internal Medicine
Director of Quality Improvement Curriculum
Cedars-Sinai Medical Center**



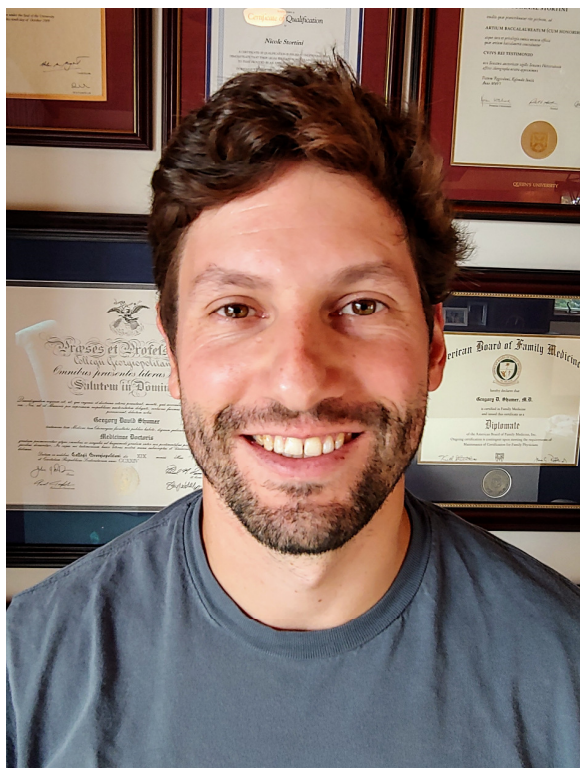
Lili Shek, MD, MHDS, FACP practices general internal medicine at Cedars-Sinai Medical Center in Los Angeles, California. She is an associate program director for the Cedars-Sinai Internal Medicine Residency Training Program. She is also the director of the quality improvement curriculum for trainees for which she hopes to expand this curriculum to include additional core domains of health systems science. In 2019, she obtained a Master's in Health Delivery Science (MHDS) to further develop her interests in health care quality, patient safety and performance improvement.

SCHOLAR

Gregory Shumer, MD, MHSA

Assistant Professor of Family Medicine University of Michigan

Dr. Shumer earned his Bachelor of Science degree in biology at the University of Michigan (2008) and Medical Degree at Georgetown University School of Medicine (2013). He completed his family medicine residency and integrative medicine fellowship training at the University of Michigan Department of Family Medicine, where he served as a chief resident during his third year. During training, he also took part in the Executive Master's Program through the University of Michigan School of Public Health, where he earned a Master of Health Services Administration Degree. He now sees patients as a primary care physician at Domino's Farms Family Medicine, and is involved in medical student and resident education.



Lori Singleton, MD

Associate Professor of Pediatrics Chief of Patient Safety and Quality Improvement Morehouse School of Medicine

Dr. Lori Singleton is an Associate Professor at Morehouse School of Medicine Department of Pediatrics and a pediatric hospitalist at Children's Healthcare of Atlanta. She is a native of Savannah, Georgia. She obtained a Bachelor of Science degree in biology from Hampton University and a Medical Degree from Vanderbilt University School of Medicine. She completed her pediatric



residency at Cincinnati Children's Hospital Medical Center followed by a pediatric hospital medicine fellowship at Emory. Following fellowship, she joined the Morehouse School of Medicine faculty. In addition to her clinical and teaching responsibilities, she also serves as Morehouse's Chief of Patient Safety and Quality Improvement at Grady

Memorial Hospital. Dr. Singleton is dedicated to improving the care of hospitalized children and educating future physicians. She has devoted her academic scholarship to using evidence-based medicine to develop clinical care guidelines, evaluating hospital safety events and implementing innovative approaches to educate medical trainees on identifying safety issues, evaluating medical errors and improving medical care within a hospital. Dr. Singleton is a member of the American Academy of Pediatrics and the Council on Medical Student Education in Pediatrics. When she is away from work, she enjoys spending time with her family, doing outdoor activities, and traveling.

Jordan Warchol, MD, MPH

Assistant Professor of Emergency Medicine University of Nebraska Medical Center

Jordan M. Warchol, MD, MPH is an emergency physician, educator and health care policy specialist. While in training, Dr. Warchol took an interest in physician advocacy and decided to pursue further specialization in health care policy. Following residency, she completed a Master of Public Health with a concentration in Health Policy at George Washington University. During this time, Dr. Warchol worked in the office of Senator Orrin Hatch, a prolific health care policymaker throughout his more than 4 decades in the Senate. She is currently an Assistant Professor in the Department of Emergency Medicine at the University of Nebraska Medical Center. Dr. Warchol is the Dean's designee to serve on the Nebraska Medical Association Board of Directors and also serves as the Chair of the Nebraska Medical Association Political Action Committee. She was recognized as the Nebraska Young Physician of the Year by the Nebraska Medical Association in 2019. Dr. Warchol works tirelessly to advance health care policy through work with the American Medical Association, where she founded the Rural Health Caucus and serves as an Alternate Delegate in the House of Delegates. She also is involved in the American College of Emergency Physicians. Dr. Warchol's policy interests include rural medical care, drug policy and policy education for physicians, so that they, too, can become better advocates for physicians and patients.



Paul Weber, MD

Associate Dean of Continuing Medical Education

Director Health Systems Science Curriculum Rutgers-Robert Wood Johnson Medical School

Dr. Paul Weber's health care career spans nearly four decades. Presently, he is Associate Dean-Continuing Medical Education at Rutgers Robert Wood Johnson (RWJMS) and New Jersey Medical Schools (NJMS). Concurrently, Dr. Weber is the Thread Director of the four-year Health Systems Science UME Curriculum at Rutgers RWJMS. He recently was named as Co-Course Director Patient-Centered Medicine (PCM) 1, 2, & 3. In addition, Dr. Weber serves as Director for the Distinction in Medical Innovation and Entrepreneurship (DiMIE) Program and Faculty Adviser for the Biomedical Entrepreneurship Network (BEN) Student Interest Group at RWJMS. He also launched an elective in Digital and Connected Health for medical students. Dr. Weber actively teaches health professions students predominantly in medicine in small group, interprofessional, and lecture settings. In 2019, he received an Excellence in Teaching Award from the graduating MD students at RWJMS. Earlier, as volunteer faculty in the Department of Medicine, he was twice named a Teacher of the Year. His scholarly interests include health systems science, medical innovation and entrepreneurship, and the application of technology in health care. Immediately prior to his current academic career, Dr. Weber spent 25 years in the Pharmaceutical and Biotech industries. He also is an avid endurance athlete having completed over 60 marathons including 10 Ironman triathlons, numerous long-distance bicycle rides and swims, and the Empire State Building stair climb.



SCHOLAR

Peter Weir, MD

Executive Medical Director of Population Health University of Utah



Peter Weir, MD, MPH currently serves as the Executive Medical Director of Population Health for the University of Utah. Dr. Weir trained as a family medicine physician and completed a Masters of Public Health, which sparked his interest in population health. He has a decade of experience working in the employer setting, leading an onsite clinic that focused on improving health outcomes and reducing health care costs. Currently, he is developing programs that align the U Health system

to provide high value care. His responsibilities include creating and managing a high risk clinic for Medicaid members, providing leadership for post-acute care and creating a new curriculum for health care leaders to learn about health care systems. He is passionate about redefining how health care is delivered with a desire to make it affordable, accessible and patient-centered.

Ebony Whisenant, MD

**Associate Professor of Public Health
Director of the Primary Care Transformation
Executive Fellowship
AT Still University School of Osteopathic
Medicine**

Dr. Ebony Whisenant is an Associate Professor in the Department of Public Health at A.T. Still University School of Osteopathic Medicine in Arizona (ATSU SOMA). Dr. Whisenant serves as the Fellowship Director for SOMA's Primary Care Transformation Executive (PCTE) Fellowship Program. As the Fellowship Director, Dr. Whisenant works with the fellowship team to develop, refine and deliver the fellowship curriculum; recruit and mentor trainees; support development and implementation of the PCTE Leadership Academy; and share the PCTE Program outcomes. Dr. Whisenant graduated from Morehouse School of Medicine and completed her residency training in family medicine at Halifax Health Center in Daytona Beach, Florida. Dr. Whisenant is passionate about providing quality health care to underserved populations, reducing health disparities, and leading change in health care by empowering others through education.



SCHOLAR

Jeanne Wilson, MD

Pediatrics

Director of Foundations of Clinical Medicine New York Medical College

Jeanne Wilson, MD is the Director of Foundations of Clinical Medicine at New York Medical College in Valhalla, NY. She is board certified in general pediatrics and holistic and integrative medicine and a practicing pediatrician at the academic general practice in the Boston Children's Health Physician group in Hawthorne, NY and the Medical Director for the Mt. Pleasant Central



school district in Westchester, NY. Dr. Wilson has been precepting medical students and residents for 20 years and is passionate about training future generations of physicians and health care providers.

Monica Yepes-Rios, MD

**Associate Professor of Medicine
Director of Diversity and Inclusion
Director of the Didactic and Learning Group
Programs
Cleveland Clinic Lerner
College of Medicine**



Dr. Monica Yepes-Rios is an Associate Professor in the Department of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Director, Diversity and Inclusion, and Director, Longitudinal Clerkship Didactic and Learning Group Programs. She joined the Cleveland Clinic in 2017 to expand clinical services and student and resident service and educational opportunities with the growing Hispanic community. With a special interest in social determinants of health, Dr. Yepes-Rios built a curriculum in health systems science in the clerkship addressing community and health system approaches to patient care. She has over 25 years of experience in medical education and internal medicine clinical practice with a special interest in education to promote thriving learning environments and the care of underserved communities. She completed her internal medicine residency at the George Washington University Medical Center and is a Robert Wood Johnson Clinical Scholar, Yale University. She earned her bachelor's degree from Duke University and medical degree from the George Washington University School of Medicine.

Health Systems Science Scholars Program Faculty

Jed Gonzalo, MD MSc

Associate Professor of Medicine and Public Health Sciences

**Associate Dean for Health Systems Education
Penn State College of Medicine**

Dr. Jed Gonzalo graduated from the University of Scranton in 2002 (BS biology/philosophy), receiving the Frank O'Hara Gold Medal Award (awarded to the student with the highest GPA). Jed received his MD degree from the Penn State College of Medicine in 2006, being inducted into AOA Honor Society and chosen by his classmates as "Classmate you would most want as your physician." He completed his internal medicine residency and chief residency at the Beth Israel Deaconess in Boston, where he was instructor at the Harvard Medical School and awarded the Lowell McGee Award, which is given to the resident who most demonstrates the "fundamental importance of teaching and to the spirit and substance of being a physician." Following residency, Jed completed a fellowship at the University of Pittsburgh in general Internal Medicine/Medical Education, earning a Master of Science in Medical Education/Clinical Research. As Associate Dean for Health Systems Education, Jed's work focuses on: 1) exploring the relationship between education and health systems, and, 2) leading the field of health systems science. He has implemented 15+ programs related to health systems education, which have garnered national recognition from the *Washington Post*, *Wall Street Journal*, *US News and World Report*, NPR radio and AMA News. Jed has a well-established track record for scholarship, and in particular, multi-institutional collaborations. He is lead author/editor of several textbooks and has received funding from the AMA, AAMC, HRSA, CTSI and Josiah Macy Foundation (Faculty Scholar Award). He mentors 25+ students, residents, and faculty per year.



FACULTY

Maya M. Hammoud, MD, MBA

Professor and Chief of the Division of Women's Health

Associate Chair for Education of Obstetrics and Gynecology

University of Michigan Medical School

Senior Adviser of Medical Education

Innovations, AMA

Dr. Maya Hammoud is Professor of Obstetrics and Gynecology and Learning Health Sciences at the University of Michigan Medical School. She is the Chief of Women's Health Division and Associate Chair for Education. Dr. Hammoud holds many leadership roles nationally. She is the President of the Association of Professors of Gynecology and Obstetrics (APGO). She is senior adviser for Medical Education Innovations at the American Medical Association (AMA) with a focus on health systems science and coaching. She is also a member of the National Board of Medical Examiners and chairs their International Foundations of Medicine (IFOM) committee, and she is an oral examiner for the American Board of Obstetrics and Gynecology. Dr. Hammoud completed her MD and MBA degrees and residency training at the University of Michigan. She has had many leadership roles in the past including Assistant and Associate Deans at Michigan and at Weill Cornell Medical College in Qatar. Her research is in medical education with a special focus on the use of technology in education and the role of academic coaching in learner's development.



Robin Hemphill, MD, MPH

**Chief Quality and Safety Officer
Associate Dean of Quality and Safety
Gene N. Peterson Professor of Quality, Safety
and Service
VCU School of Medicine
Clinical Professor of Emergency Medicine
MCV Physicians**



Dr. Robin Hemphill is a graduate of George Washington University Medical School. She completed an internship in internal medicine followed by emergency medicine at the Joint Military Medical Centers in San Antonio, TX. After residency she was on active duty at Brooke Army Medical Center as an attending physician. After the completion of her military obligation she joined the faculty at Vanderbilt University in the Department of Emergency Medicine as the Associate Program Director. She published in a variety of areas while at Vanderbilt and was involved in curriculum development and implementation of disaster preparedness issues for students, residents, nurses and faculty within the university. Previously she was the Medical Director for the Tennessee State HRSA Hospital Bioterrorism Preparedness Program as well as for the National Center for Emergency Preparedness at Vanderbilt. During this time she was also the President of the Tennessee College of Emergency Physicians. While at Vanderbilt she completed a Masters in Public Health with a focus on syndromic surveillance and also was awarded a Robert Wood Johnson Health Policy Fellowship serving as a health legislative assistant in the office of Senator Jeff Bingaman. Following her RWJ Fellowship, she has worked in the Emory Healthcare System as the Quality and Safety Officer for the emergency departments until she was recruited to be the Chief Patient Safety Officer of the Veteran's Health Administration. She served for over six years focusing on system wide improvements in patient safety. She was also the interim Assistant Deputy Under Secretary for Quality, Safety and Value on several occasions allowing for a wider focus on both safety and quality improvement across the enterprise. In 2017 Dr. Hemphill joined the Virginia Commonwealth University system in Richmond as the Chief Quality and Safety Officer and Associate Dean for Quality and Safety as well as the Gene N. Peterson Professor of Quality, Safety and Service.

Luan E. Lawson, MD

Associate Dean of Curricular Innovation in Medical Education

**Associate Professor of Emergency Medicine
Brody School of Medicine at East Carolina University**

Luan E. Lawson is the Associate Dean of Curricular Innovation in Medical Education at the Brody School of Medicine at East Carolina University.

Her academic interests have focused on undergraduate education, with expertise in curriculum development, assessment and team training. As the PI of the American Medical Association Accelerating Change in Education

(ACE) grant resulting in East Carolina University's Redesigning Education and Accelerating Change in Healthcare (REACH) program, the REACH team designed and implemented 1) the Teachers of Quality Academy faculty development program, 2) the Leaders in Innovative Care Distinction Track for medical students, and 3) a longitudinal curriculum in Health Systems Science. Her work with the AMA-ACE Consortium has focused on defining and codifying the principles of health systems science (HSS) and developing curricula needed to teach these competencies to medical students and health care professionals. Dr. Lawson serves on the National Board of Medical Examiners Emergency Medicine Advanced Clinical Exam Task Force and is the immediate past president of the Clerkship Directors of Emergency Medicine.



Timothy Reeder, MD, MPH

Associate Professor and Executive Vice Chair of Emergency Medicine Brody School of Medicine at East Carolina University



Dr. Timothy Reeder earned a medical degree and completed his residency in emergency medicine from Ohio State University. He then obtained a Master Degree in Public Health from the University of North Carolina at Chapel Hill. In 1998, he joined the faculty of the Brody School of Medicine at East Carolina University in Greenville, North Carolina where he is currently an Associate Professor and

Executive Vice Chair in the Department of Emergency Medicine. He is a past Chief of Staff of Vidant Medical Center and the current President of the North Carolina Medical Society. He has extensive experience in leadership, operations and quality improvement. In addition to his clinical and operations background, he has taught health systems science topics across the educational continuum for varied health professions. He is the Director of the Health Care System Transformation and Leadership Distinction Track, a 3-year, para-curricular longitudinal program for 10 medical students a year beginning after their first year of medical school. The program aims to educate on health systems science and develop leadership and change management skills using a combination of didactic, small group activities and experiential learning. He directs the Teachers of Quality Academy, a professional development program for quality, safety and leadership. He provides clinical care at an EM residency program which provides care at a rural, academic, Level I trauma center. His academic interests include operational enhancements, quality improvement and educating on health systems science.

FACULTY

Sally Santen, MD, PhD

Senior Associate Dean of Evaluation, Assessment and Scholarship Virginia Commonwealth University

Sally Santen, MD, PhD, is a Senior Associate Dean, Evaluation, Assessment and Scholarship in the Virginia Commonwealth University Medical School. Her role is to provide leadership and support of faculty and programs to address creative assessment, evaluation and novel approaches to medical education, research

development and health care across the continuum from medical students to practicing physicians. Dr. Santen practices emergency Medicine and has a PhD in Education. She is a consultant for the AMA ACE consortium for evaluation and assessment. She has



published extensively on medical education innovations and research including responsible and trustworthy trainee handovers from medical school to residency, moving Step 1 to after clerkships, and medical student and resident assessment.

Stephanie Starr, MD

**Associate Professor of Pediatrics
Director for Science of Health Care Delivery
Education
Mayo Clinic Alix School of Medicine**

Dr. Starr is a general pediatrician and Quality Chair in the Division of Community Pediatric and Adolescent Medicine, Mayo Clinic, Rochester, Minnesota. She has more than 20 years of curriculum development and leadership experience in medical education.



She earned her MD degree at St. Louis University School of Medicine, completed pediatric residency and served in the United States Navy before coming to Mayo Clinic in 2000. She previously served as Vice Chair for Education in the Department Pediatric and Adolescent Medicine, Assistant Medical Director of the Quality Academy and as the pediatric pre-clinical course director and Chair, Student Promotions Committee, at the medical school. She is currently responsible for leading the school's longitudinal Science of Health Care Delivery course on the Minnesota campus. Nationally, Dr. Starr has served on the Council on Medical Student Education in Pediatrics Executive Committee. She is a board member of the Kern National Network (KNN) for Caring and Character in Medicine and co-PI for the school's KNN grant. She has been active in the American Medical Association's Accelerating Change in Medical Education Health Systems Science Interest Group since its inception. Her scholarship has primarily focused on health systems science medical education (most specifically health systems science education), quality improvement education and pediatric medical education.

Marc M. Triola, MD

**Associate Dean for Educational Informatics
Director of the Institute for Innovations in
Medical Education
Associate Professor of Medicine
NYU Langone Health**

Marc M. Triola is the associate dean for educational informatics and an associate professor of medicine at NYU Langone Health, where he is also the founding director of the Institute for Innovations in Medical Education. Dr. Triola's research focuses on the revolution in medical education driven by technological advances, big data and learning analytics. He has worked to create



a continuously learning medical education system that includes computer-based learning tools and new ways to integrate clinical data into educational research. Dr. Triola's work and IIME have been funded by the NIH, including the Integrated Advanced Information Management Systems (IAIMS) Awards program; the Josiah Macy Jr. Foundation; the U.S. Department of

Education; and the American Medical Association's Accelerating Change in Medical Education program. He gave a TED Talk at TEDMED 2012 and is a co-author of the Biostatistics for the Biological and Health Sciences textbook series. Dr. Triola is a fellow of the American College of Physicians. Dr. Triola received his BA from Johns Hopkins University and his MD from NYU School of Medicine. He completed residency training in internal medicine at NYU and subsequently served as chief resident. He completed a research fellowship in medical informatics at Mount Sinai School of Medicine.

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