Achieving Excellence in the Diagnosis of Acute Cardiovascular Events: A Workshop

Planning Committee Member Biosketches

Andrew Bindman, M.D. (Chair), is executive vice president and chief medical officer for Kaiser Foundation Health Plan, Inc. and Hospitals. In this role, Dr. Bindman is responsible for driving superior quality and equitable health outcomes through the integration of quality innovation, research, and care delivery. He collaborates with the Permanente Medical Groups to accelerate Kaiser Permanente's quality strategy and improve the high-quality care provided to members and patients nationwide. Dr. Bindman reports directly to Kaiser Permanente's chairman and chief executive officer and is a member of the National Executive Team and the CEO Executive Committee. He works closely with clinical and operational leaders to establish common performance standards for quality and service, drive consistent adoption of key quality programs, and leverage data analytics and research across the enterprise. His areas of focus include advancing the quality outcomes that matter most to members and establishing equity, alongside quality and safety, as a fundamental metric for care. Dr. Bindman previously spent more than 30 years at the University of California, San Francisco where he practiced and taught clinical medicine while conducting research in health access and outcomes that resulted in more than 180 published scientific articles. A noted policy advocate, he has held advisory and leadership roles for the U.S. House Energy and Commerce Committee, the U.S. Department of Health and Human Services, the Agency for Healthcare Research and Quality, the California Medicaid Research Institute, and the Healthy California for All Commission, among other agencies.

Dr. Bindman is a graduate of Harvard College and the Mount Sinai School of Medicine. A board- certified general internist, he completed his residency in internal medicine at UCSF and was a Robert Wood Johnson Foundation Clinical Scholar at Stanford University. He was elected to the National Academy of Medicine in 2015 and serves on the organization's board for health care services.

Kirsten Bibbins-Domingo, Ph.D., M.D., MAS, is the Professor and Chair of the Department of Epidemiology and Biostatistics, and the Lee Goldman, MD Endowed Chair and Professor of Medicine at the University of California, San Francisco. She is the inaugural Vice Dean for Population Health and Health Equity in the UCSF School of Medicine. She co-founded the UCSF Center for Vulnerable Populations at Zuckerberg San Francisco General Hospital that focuses on actionable research to increase health equity and reduce health disparities in at-risk communities. She is one of the Principal Investigators for the UCSF Clinical and Translational Sciences Institute, and she leads the newly launched UCSF COVID Community Public Health Initiative. Dr. Bibbins-Domingo is a general internist and cardiovascular epidemiologist whose scholarship includes observational epidemiology, pragmatic trials, and simulation modeling in cardiovascular disease prevention. She leads the UCSF Cardiovascular Disease Policy Model group that uses simulation modeling to examine the effectiveness and cost-effectiveness of clinical and public health approaches to cardiovascular disease prevention in the US population and in population sub-groups. She previously served on and led the US Preventive Services Task

Force from 2010-2017. She is an inducted member of the American Society for Clinical Investigation, the Association of American Physicians, and the National Academy of Medicine.

Pascale Carayon, M.D., Ph.D., is the Leon and Elizabeth Janssen Professor in Engineering, Director of the Center for Quality and Productivity Improvement, Founding Director of the Wisconsin Institute for Healthcare Systems Engineering and leader of the interdisciplinary Systems Engineering Initiative for Patient Safety at the University of Wisconsin-Madison, USA. She received her Engineer diploma from the Ecole Centrale de Paris, France, and her PhD in Industrial Engineering from the University of Wisconsin-Madison. She has three decades of research experience analyzing, designing and improving complex work systems such as those in healthcare. In the last 20 years, her research has focused on patient safety and healthcare issues such as design of health information technologies. As an industrial and systems engineer, she is renowned for her groundbreaking contributions in modeling complex system interactions in healthcare processes that influence patient safety and other outcomes for patients and healthcare professionals. She is a Fellow of the Human Factors and Ergonomics Society and Fellow of the International Ergonomics Association. In 2016, she received the John M. Eisenberg Patient Safety and Quality Award for Individual Achievement. Since 2015, Becker's Hospital Review has selected her yearly as one of 50 experts leading the field of patient safety.

Gari Clifford, D.Phil., is a tenured Professor of Biomedical Informatics and Biomedical Engineering at Emory University and the Georgia Institute of Technology, and the Chair of the Department of Biomedical Informatics (BMI) at Emory. His research focuses on the application of signal processing and machine learning to medicine to classify, track and predict health and illness. His focus research areas include critical care, digital psychiatry, global health, mHealth, neuroinformatics and perinatal health. After training in Theoretical Physics, he transitioned to AI and Engineering for his doctorate (DPhil) at the University of Oxford in the 1990's. He subsequently joined MIT as a postdoctoral fellow, then Principal Research Scientist where he managed the creation of the MIMIC II database, the largest open access critical care database in the world. He later returned as an Associate Professor of Biomedical Engineering to Oxford, where he helped found its Sleep & Circadian Neuroscience Institute and served as Director of the Centre for Doctoral Training in Healthcare Innovation at the Oxford Institute of Biomedical Engineering. As Chair, Dr Clifford has established BMI as a leading center for critical care and mHealth informatics, and as a champion for open access data and open source software in medicine, particularly through his leadership of the PhysioNet/CinC Challenges and contributions to the PhysioNet Resource. Despite this, he is a strong supporter of commercial translation, working closely with industry, and serves as CTO of MindChild Medical, a spin out from his research at MIT.

Marina Del Rios, M.D., M.S., is Director of Social Emergency Medicine, Emergency Ultrasound Research Director, and Tenured Associate Professor in Emergency Medicine at the University of Illinois at Chicago - College of Medicine. Dr. Del Rios is the first woman in her family to pursue higher education and the first medical doctor in her family. Dr. Del Rios has a deep commitment to service, spending her time outside of her clinical, research, and teaching responsibilities as a volunteer for multiple health and community service agencies. She is a

founding member of the Illinois Heart Rescue Project, a state-wide quality improvement project with the mission to ensure that every victim of out of hospital cardiac arrest receives evidencebased care in the field, in route to, and in the hospital. She has extensive experience with community engagement, CPR education, and cardiovascular health promotion in high-risk populations and has organized more than 200 community CPR training events in the state of Illinois. Her work has received competitive funding from Medtronic Philanthropy, the Pritzker-Traubert Foundation, the National Institutes of Health and the American Heart Association. Her research interests include preventive emergency medicine, geospatial analysis of health outcomes data, resuscitation outcomes research, health disparities research, and the use of ultrasound as a cardiovascular risk assessment tool. She serves as the Advocacy Ambassador of the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation (3CPR) and is member of the Science Subcommittee of the Emergency Cardiovascular Care Committee of the American Heart Association. She is a member of the Illinois Department of Public Health COVID19 Health Equity Task Force and the Restore Illinois Health Justice Workgroup. Dr. Del Rios also serves as chair of the Health and Policy Committee of Illinois Unidos, a consortium of Illinois Latino health professionals, policy experts, community-based organizations, and government officials that aims to stop the transmission of COVID-19 and address the pandemic's devastating public health and economic impact in Latino communities. Her advocacy on behalf of the Latino community during the COVID19 pandemic led to her recognition as one of Chicago Crain's Business 2020 Notable Health Care Heroes and as one of Negocios Now 2020 Who's Who in Chicago Hispanic Power.

Kathryn McDonald, Ph.D., is an international thought leader who focuses on bringing an evidence-based, patient-centered approach to the study of health care delivery. She explores what makes for safe, affordable, and high-quality health care delivery systems and the factors that prevent health organizations from achieving this standard of care.McDonald develops tools for measuring patient safety and quality that are used by private and public care providers alike. McDonald created a set of standardized health care quality measurements called Quality Indicators, which are used to analyze administrative data from hospitals—including Johns Hopkins—to identify potential quality concerns and track changes over time. She is currently working on an ongoing study that examines the ways that a patient's age, race, and sex may contribute to errors in medical diagnoses and disparities in patient outcomes. McDonald hopes to understand how "visible factors" put young people, women, and African American people at risk for misdiagnoses of infections, cancer, and cardiovascular issues.

Robert W. Neumar, M.D., Ph.D., is Professor and Chair of Emergency Medicine at the University of Michigan Medical School. He is also a member of the Michigan Center for Integrative Research in Critical Care (MCIRCC) and the Extracorporeal Life Support (ECLS) Research Laboratory at the University of Michigan. Dr. Neumar received his BS degree in 1985 from Juniata College and his MD degree in 1990 from the University of Pittsburg. He received his PhD in Physiology in 1996 from Wayne State University. He was a faculty member in the Department of Emergency Medicine at the University of Pennsylvania from 1997 to 2012, where he served as Associate Director of the Center for Resuscitation Science. He became chair of Emergency Medicine at the University of Michigan in 2012.

Dr. Neumar is recognized as an international leader in the field of cardiac arrest resuscitation with over 30 years of experience in the field. His basic science research is focused on the molecular mechanisms of brain injury caused by cardiac arrest, and therapeutic strategies to improve neurologic outcomes. More recently, his laboratory and clinical studies have expanded to investigate the use of extracorporeal cardiopulmonary resuscitation (ECPR) for refractory cardiac arrest. He is also PI of an AHA-Funded Strategically Focused Research Center Grant entitled Michigan Center for Resuscitation Innovation and Science (M-RISE). M-RISE is focused on developing, testing and implementing neuroprotective therapies in cardiac arrest. Dr. Neumar previously served as Chair of the American Heart Association Emergency Cardiovascular Care (ECC) Committee, which is responsible for creating the AHA guidelines on CPR and Emergency Cardiovascular Care. He currently serves as the Co-Chair of the International Liaison Committee on Resuscitation (ILCOR) that generates global consensus on science and treatment recommendations for CPR, emergency cardiovascular care, and first aid. Dr. Neumar is also co-founder and President of SaveMiHeart: a consortium of academic institutions and EMS systems that has set a goal of doubling cardiac arrest survival in the state of Michigan by 2020.

In 2007, Dr. Neumar was appointed the inaugural Co-Chair of the ACEP/SAEM Task Force on Emergency Care Research that has advocated for federal funding of emergency care research and was instrumental in the establishment of the first NIH K12 program focused on emergency care research and creation of the NIH office of Emergency Care Research. Dr. Neumar is the recipient of the 2007 ACEP Award for Outstanding Contribution in Research and was elected to the National Academy of Medicine in 2015. In 2020, Dr. Neumar was appointed Co-Chair of Section 8 of the National Academy of Medicine.

Saul N. Weingart, M.D., Ph.D., M.P.P., was appointed President of Rhode Island Hospital and Hasbro Children's Hospital in 2021. He served as Chief Medical Officer and Senior Vice President of Medical Affairs at Tufts Medical Center and Professor of Medicine, Public Health, and Community Medicine at Tufts University School of Medicine from 2013-2021. Previously, he served as Vice President for Quality Improvement and Patient Safety at Dana-Farber Cancer Institute. Dr. Weingart holds a doctorate in public policy from Harvard and an MD degree from the University of Rochester. Dr. Weingart's research examines patient safety in primary and specialty care, patient engagement, and diagnostic errors. A practicing general internist, Dr. Weingart served as a member of the board of directors of the National Patient Safety Foundation and was the recipient of the 2012 John M. Eisenberg individual achievement award in quality and patient safety.