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

Speaker Biosketches

Opeolu Adeoye, M.D., M.S., is the BJC HealthCare Professor and Chair of the Department of Emergency Medicine at Washington University School of Medicine (WUSM) in St. Louis, Missouri. Dr. Adeoye is also the Emergency Physician-in-Chief at Barnes-Jewish Hospital. Our Level 1 Trauma Center is the largest in Missouri seeing approximately 80,000 patients per year. WUSM ranks among the top academic medical centers in the world. Dr. Adeoye is an accomplished researcher with over 150 indexed publications in Pubmed and he currently serves as Lead PI of an NIH-funded Phase 3 acute stroke clinical trial as well as serving on the Editorial Board of Stroke Journal. His research accomplishments have garnered a national and international reputation. Outside of his faculty duties, he founded a medical device company using innovative technology from his very first research grant award and serves as the Chief Medical Officer for Sense Diagnostics, Inc. On a personal note, Dr. Adeoye very much enjoys reading, walking, and traveling with his family. He has been a senior physician with the Division of Transplantation (HRSA) in the U.S. Department of Health and Human Services (HHS) since 2009. Dr. Bowman supports the Division's leadership in its oversight of the nation's solid organ and blood stem cell transplant programs. Previously he served as senior medical officer with Chronic Care Policy Group at CMS in support of Medicare payment policy for ERSD/dialysis units, inpatient rehab hospitals, skilled nursing facilities, home health agencies, hospital prospective payment systems and the physician fee schedule. He has medical management experience with several national health insurers and he served as a transplant and general surgeon in the US Air Force and in civilian practice. Dr. Bowman is a Fellow of the American College of Surgeons and participates with American Society of Transplant Surgeons and American Society for Blood and Marrow Transplantation. He earned his M.D. from Virginia Commonwealth University and his M.S. in Management from NC State University. He trained in general surgery at Wright State University (Dayton, Ohio) and abdominal transplant surgery at University of Pittsburgh and Children's Hospital of Pittsburgh.

Rima Arnaout, M.D., is Assistant Professor of Medicine, a Chan Zuckerberg Biohub investigator, and faculty in the Bakar Computational Health Sciences Institute, the Biological and Medical Informatics program, and the Center for Intelligent Imaging at the UCSF. She is investigating whether machine learning can be used to detect standard and novel patterns in biomedical imaging in a scalable fashion, with the goals of decreasing diagnostic error in medical imaging and uncovering new phenotypes for precision medicine research. Dr. Arnaout completed her undergraduate degree at the MIT, her MD at Harvard Medical School, residency at Massachusetts General Hospital, and cardiology fellowship at UCSF.

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Bernadette Boden-Albala, Dr.PH, M.P.H. is the Director and Founding Dean of the Program in Public Health in the Susan & Henry Samueli College of Health Sciences at University of California, Irvine, where she is also a Professor in the Department of Health, Society and Behavior and the Department of Neurology in the School of Medicine. She is an internationally recognized expert in the social epidemiology of stroke and cardiovascular disease. Over the past 15 years, her robust research portfolio has focused on defining and intervening on social determinants of disease, including the role of race-ethnicity, socio-economic status, sex, social support, stress, and social networks on disparities and patterns across the U.S. and globally.

Dr. Boden-Albala has led numerous large, multi-site stroke prevention strategies in urban and rural communities and has significant experience leading community level health assessments and interventions. Selected interventions include: SWIFT, a hospital-based stroke preparedness intervention; ASPIRE, a community-based preparedness study in Washington D.C.; and DESERVE, a discharge secondary stroke prevention intervention targeting stroke/TIA patients. Dr. Boden-Albala is PI of the National Initiative for Minority Involvement in Neurological Clinical Trials (NIMICT), supported by NINDS/NIMHD, which has built a toolkit of materials to improve racial-ethnic minorities' and women's participation rates in neurological clinical trials. She leads the Minority Recruitment initiative for the NINDS funded national StrokeNet program. She served as PI for the Alaska Native Stroke Registry (ANSR). Her work has extended internationally to a collaborative effort between the American Heart Association and the Grenada Ministry of Health to develop and evaluate novel community- and policy-based interventions for cardiovascular disease prevention in Grenada. She is also PI of an exploratory project in Ghana to assess gaps in lay knowledge of primary and secondary stroke prevention, stroke treatment and recovery. Finally, her work in global chronic disease prevention has included a World Health Organization project that sought to identify the optimum social networks for promoting health policy dialogue in Moldova. In addition to her broad research experience, Dr. Boden-Albala previously served as Senior Associate Dean of Research and Program Development at New York University College of Global Public Health. In this role, she co-created courses with UNICEF and the United Nations World Food Program focused on innovative solutions to Ebola and Polio response and exploring a system's approach to food access. She also developed the Cross-Continental MPH, a one-year program that combines classroom learning, collaborative research with faculty mentors, and public health practice experience across three continents.

Since January 2020, under Dr. Boden-Albala's leadership, the UCI Program in Public Health has become the key academic partner for government agencies and community organizations to address COVID-19 in the region. She has led efforts at the university, county, and state level on COVID-19 preparedness and response, including strategies around communication, health behaviors, and testing. The program has fostered a strong relationship with the Orange County Health Agency (OCHCA), and, in collaboration with OCHCA and other community partners, initiated a unique health equity-based, bilingual contact tracing strategy for Orange County. Dr. Boden-Albala was principal investigator (PI) on two large-scale community COVID-19 serosurveillance projects in Orange County and the city of Santa Ana and serves on multiple

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strategic advisory groups and task forces to guide COVID-19 response. She was named Community Hero by the Greater Irvine Chamber in May 2020 for her efforts and is frequently featured on local, state, and national media for her expertise on issues around COVID-19.

Donald Casey, M.D., M.P.H., is Principal and Founder of IPO 4 Health (“Improving Patient Outcomes for Health”), located in Chicago, which provides expertise, experience and advice for accountable care and clinical integration via value based contracting; clinical practice guideline and performance measurement development and implementation; quality outcomes measurement and improvement; physician/medical staff leadership and accountability; population health management for chronic illnesses, including advanced care planning; to federal agencies and nongovernmental organizations (e.g. CMS, NQF); as an expert witness services for medical malpractice corporate negligence and healthcare related antitrust matters.

Dr. Casey is the current President of the American College of Medical Quality (ACMQ). Since 2014, Dr. Casey has served as a consultant, and Chief of Clinical Affairs for Medecision, a population health technology platform company supporting large health insurers, and now works in a strategic clinical advisor role to the organization. From 2014-2017, he was also a Managing Director at Alvarez and Marsal in its Health Advisory Group, providing consulting services to many nationally known large healthcare organizations during this time.

Dr. Casey has served as the NYU Langone Medical Center Vice President of Network Integration and Chief Medical Officer (CMO) of the NYUPN Clinically Integrated Physician Network. His achievements included the development and implementation of successful performance measurement and improvement management systems for quality of care, patient experience and efficiency for the more than 1,600 physicians participating in NYUPN’s current and future performance-based “Pay for Value” contracts with commercial and government payers.

Prior to NYU, Dr. Casey served as Vice President and CMO, Chief Quality Officer, Chief Academic Officer and Chief Research Officer for Atlantic Health System (AHS) in New Jersey, and Associate Professor of Medicine at Mount Sinai Medical School.

Dr. Casey also served as Senior Vice President and CMO for Catholic Healthcare Partners (CHP, now called Mercy Health), a 5-state, 30-hospital health system based in Cincinnati, Ohio. Dr. Casey revolutionized the first regional large-scale regional population-based quality improvement initiatives, Medicare and Medicaid claims data analytics and quality transparency as Senior Vice President and CMO of the Delmarva Foundation (Maryland and Washington D.C.’s Medicare Peer Review and Quality Improvement Organization) from 1997-2001.

As a board-certified primary care internist, Dr. Casey has practiced primary care, emergency medicine, and hospital/critical care medicine in a variety of clinical settings for 19 years. He has also served as a medical director for long term care, palliative care, geriatric services and home care organizations.

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Deborah Diercks, M.D., is Professor and Chair of the Deborah Diercks, M.D., is Professor and Chair of the Department of Emergency Medicine at UT Southwestern Medical Center. She holds the Audre and Bernard Rapoport Distinguished Chair in Clinical Care and Research.

A nationally recognized leader in the specialty, Dr. Diercks oversees the emergency medicine programs at Parkland Memorial Hospital and UT Southwestern University Hospitals, which together constitute one of the largest emergency medicine programs in the nation.

After receiving her undergraduate degree in microbiology and immunology from the University of California, Berkeley, Dr. Diercks attended Tufts University School of Medicine. She completed her residency in emergency medicine at the University of Cincinnati and joined the faculty of the University of California, Davis, where she was a major contributor to the growth and development of its emergency medicine programs. She also holds a master's degree from the Harvard University School of Public Health.

Dr. Diercks has received funding from the National Institutes of Health, among other sources, for research on early management of acute coronary syndromes, the influence of gender on symptom characteristics, and utilization of cardiac biomarkers. She has held numerous leadership positions within the Society for Academic Emergency Medicine and was presented the Society's 2014 Advancement of Women in Academic Emergency Medicine Award. Additionally, Dr. Diercks is an Associate Editor of the *Circulation* and *Academic Emergency Medicine*. In 2018-2020 she was included in *D Magazine's* Best Doctors list.

Derick En'wezoh, M.D., M.B.A., is the Vice President of Growth at Viz.ai where he leads commercial growth, drives customer acquisition, and is responsible for sales enablement. Dr. En'wezoh is an entrepreneurial physician who has a passion for improving healthcare through innovative technologies and intelligent care delivery models. Prior to Viz.ai, Derick was Chief Operating Officer and co-founder of AdminMed, a developer of microneedle technologies, and consulted for McKinsey & Company.

Dr. En'wezoh earned his medical degree from Harvard Medical School and completed his surgical internship at Stanford Hospital. Further, Dr. En'wezoh earned his MBA from the Stanford Graduate School of Business and is an alumnus of Stanford's Biodesign Program. In his spare time, Dr. En'wezoh enjoys being at the cutting-edge of medical innovation. He is an investor in early stage healthcare companies and advises several startups focused on utilizing artificial intelligence to improve patient care and outcomes.

Christine (Chris) Goeschel, Sc.D., M.P.A., M.P.S., R.N., is a system leader at MedStar Health, currently as Assistant Vice President in the MedStar Institute for Quality and Safety (MIQS) and inaugural Director of the Center for Improving Healthcare Diagnosis. She is keenly interested in cultivating clinical and administrative leadership to improve the science of health care delivery and in improving the diagnostic process.

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A professor in the Georgetown University School of Medicine, Dr. Goeschel teaches in the Georgetown Executive Masters' in Clinical Quality, Safety & Leadership. She also serves as Associate Faculty in the Johns Hopkins Bloomberg School of Public Health, where she co-directs a required course in the Master of Hospital Administration program. Dr. Goeschel is a Fellow of the American Academy of Nursing.

Her professional trajectory includes significant and diverse health care leadership experiences: as a critical care nurse, a hospital executive, as founder and first executive for the Keystone Center for Patient Safety and Quality at the Michigan Health & Hospital Association, and as an implementation scientist/quality and patient safety researcher. Dr. Goeschel was the Michigan PI on groundbreaking research to reduce bloodstream infections in intensive care units in Michigan from 2003-2005, (*"Keystone ICU"*). She left Michigan in 2006 and until 2013 served as an assistant professor in the schools of Medicine, Public Health and Nursing at Johns Hopkins University. Appointed an advisor to the World Health Organization Patient Safety Program, she contributed to large scale improvement projects in Spain, England, and Peru and to an AHRQ-funded initiative that spread the bloodstream infection reduction program to nearly every state in the U.S. and Puerto Rico.

In addition to her Doctor of Science in Health System Management, Dr. Goeschel earned two Masters' degrees: one in Public Administration and another in Pastoral Studies. She has served on the Board of Directors of the Maryland Patient Safety Center, was an examiner for the U.S. National Baldrige Performance Excellence Program for several years. In addition, she was a member of the National Quality Forum (NQF) national steering committee for Hospital Associated Conditions, the NQF expert panel examining linkages between cost and quality of care, and the National Quality Partners Shared Decision Making Action Team.

Dr. Goeschel has published more than 70 articles and several book chapters related to quality and patient safety, and the measurement and evaluation of safety efforts. She was a member of the 2013-2015 Institute of Medicine Committee (new name: National Academies of Medicine, Science and Engineering "NAM") that released a 364-page report *"Improving Health Care Diagnosis"* as part of the IOM *Crossing the Quality Chasm* series.

She currently serves on the board of a multi hospital healthcare system in Michigan, and in 2019 received a 3-year appointment from the U.S. Department of Health and Human Services to the National Advisory Council for Quality and Safety Research (NAC). Dr. Goeschel is also Principle Investigator for the MedStar AHRQ ACTION contract and PI on three unique multi-year awards focused on building diagnostic capacity and improving the diagnostic process including a Patient Safety Learning Laboratory focused on the diagnosis and treatment of heart disease in women.

John D. Halamka, M.D., M.S., is president of the Mayo Clinic Platform, leads a portfolio of platform businesses focused on transforming health care by leveraging artificial intelligence, connected health care devices and a network of trusted partners. Trained in emergency medicine and medical informatics, Dr. Halamka has been developing and implementing health care information strategy and policy for more than 25 years.

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Prior to his appointment at Mayo Clinic, Dr. Halamka was chief information officer at Beth Israel Deaconess Medical Center and Harvard Medical School. He is a practicing emergency medicine physician. As the International Healthcare Innovation Professor at Harvard Medical School, Dr. Halamka helped the George W. Bush administration, the Obama administration and governments around the world plan their health care information strategies.

Dr. Halamka completed his undergraduate studies at Stanford University, earned his medical degree at the University of California, San Francisco, and pursued graduate work in bioengineering at the University of California, Berkeley. He completed his residency at UCLA-Harbor Medical Center in the Department of Emergency Medicine. He is a member of the National Academy of Medicine.

Dr. Halamka has written a dozen books about technology-related issues, hundreds of articles and thousands of posts on the Geekdoctor blog. He also runs Unity Farm Sanctuary in Sherborn, Massachusetts, the largest animal sanctuary in New England.

Elliott Richard Haut, M.D., Ph.D., FACS, is Vice Chair of Quality, Safety, & Service in the Department of Surgery at The Johns Hopkins University School of Medicine and at The Johns Hopkins Hospital. He also has a faculty appointment in the Department of Health Policy & Management at The Johns Hopkins University Bloomberg School of Public Health. He is certified in both General Surgery and Surgical Critical Care by the American Board of Surgery. Dr. Haut's clinical practice at The Johns Hopkins Hospital covers all aspects of trauma and acute care surgery, as well as surgical critical care.

Dr. Haut's research focuses on the diagnosis, prevention and reporting of deep vein thrombosis (DVT) and pulmonary embolism (PE). He was funded by a four-year K-award grant from the Agency for Healthcare Research and Quality (AHRQ), titled "Does Screening Variability Make DVT an Unreliable Quality Measure of Trauma Care?" He is the principal investigator of multiple large-scale VTE focused projects: "Preventing Venous Thromboembolism (VTE): Empowering Patients and Enabling Patient-centered Care via Health Information Technology" funded by the Patient-Centered Outcomes Research Institute (PCORI) and "Individualized Performance Feedback on Venous Thromboembolism Prevention Practice" funded by an R01 grant from AHRQ. He is also co-Investigator on numerous projects funded by the NIH/NHLBI, AHRQ, PCORI, the Department of Defense (DOD), and the Henry M. Jackson Foundation.

Dr. Haut completed his PhD in the Graduate Training Program in Clinical Investigation at the Johns Hopkins Bloomberg School of Public Health where he completed a wide variety of coursework including epidemiology, biostatistics, comparative effectiveness research and clinical research design. His dissertation was titled "Preventable Harm from Venous Thromboembolism (VTE)—A New Metric for Quality of Care." Dr. Haut is a core faculty member in the Armstrong Institute for Patient Safety and Quality at Johns Hopkins Medicine. He has authored more than 250 peer-reviewed articles, as well as dozens of invited editorials, books and chapters.

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Jeffrey Kline, M.D., received his MD from the Medical College of Virginia, and then did an emergency medicine residency followed by a research fellowship the Carolinas Medical Center. He now serves as Vice Chair of Research in emergency medicine and a professor of physiology at Indiana University School of Medicine. He is the present Editor In Chief of Academic Emergency Medicine. His research interest focuses on blood clots, the people who have them, and the people who diagnose and treat them.

In the area of diagnosis, Kline's main interests are in intuitive decision making, pretest probability to reduce medical imaging. His human treatment research includes mechanisms of resistance to fibrinolysis, use of the cyclic guanosine monophosphate signaling pathway to overcome pulmonary vasospasm and platelet hyperactivation during PE. His laboratory work focuses on mechanisms and treatment of acute pulmonary hypertension and platelet hyperactivation from pulmonary embolism. He is the cofounder of Indiana Lysis Technologies LLC, a company that seeks to translate nanoparticle-delivered plasmin for clot lysis into clinical use.

Ava Liberman, M.D., graduated from SUNY Downstate School of Medicine and completed her internship in Internal Medicine and residency in Neurology at Northwestern Memorial Hospital. She went on to complete a two-year fellowship in Vascular Neurology at the Hospital of the University of Pennsylvania as well as a one-year fellowship in diagnostic excellence via the Society to Improve Diagnosis in Medicine (SIDM). She is currently an Assistant Professor in the Departments of Neurology and Medicine at Montefiore Medical Center, Albert Einstein College of Medicine. Dr. Liberman has published widely on stroke misdiagnosis, diagnostic error measurement, and neuroimaging techniques.

Basma Safdar, M.D., M.S., is an Associate Professor of Emergency Medicine at Yale School of Medicine and Director of the Yale New Haven Hospital Chest Pain Center. Dr. Safdar is an internationally recognized scholar in sex and gender medicine in cardiovascular emergency care, with a focus on diagnosis of ischemic heart disease and microvascular dysfunction. Dr. Safdar led the Women's Heart Program at Yale from 2008-2013. She has been a recipient of multiple national leadership and research awards to conduct clinical trials and epidemiological investigations. Dr. Safdar is also committed to mentorship and has recently completed a 3-year term as President of Academy for Women in Emergency Medicine (AWAEM), a national organization for Emergency Medicine. Finally, she leads the mentorship program for the department at Yale. Dr. Safdar completed medical school at Aga Khan University (Pakistan) before moving to the U.S. to complete residency (and chief residency) in Emergency Medicine at Yale. She has a Masters of Science in cardiovascular epidemiology from Harvard.

Urmimala Sarkar, M.D., M.P.H., is Professor of Medicine at UCSF in the Division of General Internal Medicine, Associate Chair for Faculty Experience for the Department of Medicine,

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Director of the UCSF Center for Vulnerable Populations, and a primary care physician at Zuckerberg San Francisco General Hospital's Richard H. Fine People's Clinic.

Dr. Sarkar's work centers on innovating for health equity and improving safety and quality of outpatient care for everyone, especially low-income and diverse populations. Her expertise spans topics including medical errors and patient safety, diabetes, and cancer prevention and survivorship. Dr. Sarkar's research is collaborative and intersects with methods found in human centered design, human factors engineering, data science, health services research, and implementation science.

Dr. Sarkar's research focuses on:

- (1) Patient Safety in outpatient settings, including adverse drug events, missed and delayed diagnosis, and failures of treatment monitoring
- (2) Digital Health innovations to improve the safety and quality of outpatient care
- (3) Social Media research for behavior change
- (4) Safety-net implementation of evidence-based digital health information technology in real-world, care settings.

John Sather, M.D., is an Assistant Professor of Emergency Medicine at the Yale School of Medicine with critical care subspecialty training and serves as the Director of Quality for the Department of Emergency Medicine at Yale. Drawing on his expertise in cognitive psychology, emergency medicine and critical care, his research focuses on minimizing diagnostic delay and error within the acute care setting. He has received AHRQ funding to develop performance measures for patients with nontraumatic intracranial hemorrhage and is currently funded by the Gordon and Betty Moore Foundation to develop a composite measure of pulmonary embolism diagnostic performance in the Emergency Department setting.

Herman A. Taylor, M.D., M.P.H., FACC, FAHA, is an epidemiologist and cardiologist with an interest and expertise in CVD disparities is the current Endowed Chair and Director of the Cardiovascular Institute of the Morehouse School of Medicine. He is a graduate of Princeton University and Harvard Medical School and has been involved in the clinical practice of primary care, internal medicine, invasive and preventive cardiology over the span of his career. In addition, he has developed a substantial research career, beginning with his early contributions to the literature on coronary disease treatment disparities, in which he showed under-utilization of invasive procedures, delay in treatment and a higher frequency of mis-attribution of angina symptoms to non-cardiac etiologies among minority patients-factors contributing to poorer outcomes.

Between 1998 and 2014, he was the inaugural director of the Jackson Heart Study. In establishing the Jackson Heart Study, Dr. Taylor guided the development of remarkable collaborations among

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disparate scientists and institutions, the African American community of Jackson MS, and leading NIH Institutes, thereby generating information on an understudied population, catapulting it into one of the world's most significant repositories of information on CVD in a high-risk population and making it a hub of international scientific collaboration. Additionally, under his leadership, the study leveraged resources to enhance capacity and training opportunities for minority students, many of whom have entered the biomedical research and clinical medicine workforce with advanced understanding of key issues in health equity.

Dr. Taylor's innovative work on resilience explores cardiovascular health in the face of adverse social and biological conditions, an understudied aspect of minority health and has attracted funding from the National Science Foundation and American Heart Association. Dr. Taylor was recently elected to the National Academy of Medicine.

Carolyn Thomas is a Canadian heart patient activist and survivor of a misdiagnosed heart attack in 2008. Her award-winning blog HEART SISTERS has attracted over 18 million views from 190 countries, and her writing about heart disease in women (particularly the patient experience) is published internationally, including in the BMJ, for which she also serves as a Patient Reviewer. Her Heart-Smart Women presentations have been reviewed as “part cardiology boot camp, and part stand-up comedy”. She is the author of “A WOMAN’S GUIDE TO LIVING WITH HEART DISEASE” (Johns Hopkins University Press).

Eric Topol, M.D., is the Founder and Director of the Scripps Research Translational Institute, Professor, Molecular Medicine, and Executive Vice-President of Scripps Research. As a researcher, he has published over 1,200 peer-reviewed articles, with more than 300,000 citations, elected to the National Academy of Medicine, and is one of the top 10 most cited researchers in medicine. His principal scientific focus has been on the genomic and digital tools to individualize medicine.

In 2016, Topol was awarded a \$207 million grant from the NIH to lead a significant part of the Precision Medicine (All of Us) Initiative, a prospective research program enrolling 1 million participants in the US. This is in addition to his role as principal investigator for a flagship \$35M NIH grant to promote innovation in medicine. He was the founder of a new medical school at Cleveland Clinic, Lerner College of Medicine, with Case Western University. He has over 400,000 followers on Twitter (@EricTopol) where recently he has been reporting insights and research findings for COVID-19. Besides editing several textbooks, he has published 3 bestseller books on the future of medicine: *The Creative Destruction of Medicine*, *The Patient Will See You Now*, and *Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again*. Lastly, Topol was commissioned by the UK 2018-2019 to lead planning for the National Health Service’s integration of AI and new technologies.

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Clyde W. Yancy, M.D., M.Sc., is Vice Dean of Diversity & Inclusion, Northwestern University, Feinberg School of Medicine. He concomitantly serves as Chief of Cardiology at Northwestern University, Feinberg School of Medicine, and Associate Director of the Bluhm Cardiovascular Institute at Northwestern Memorial Hospital. He holds the Magerstadt Endowed Professor of Medicine Chair and also holds an appointment as Professor of Medical Social Sciences.

Yancy is a native of Louisiana and earned a B.S. degree, (4.0, Honors), from Southern University; and an M.D. degree, (Alpha Omega Alpha), from Tulane University School of Medicine in New Orleans. He completed an internship and residency in internal medicine at Parkland Memorial Hospital in Dallas. He completed his fellowship in cardiology at the University of Texas Southwestern Medical Center at Dallas where he received research training in the Human Physiology Laboratories of Blomqvist and Mitchell and advanced heart failure and heart transplant training from Maria T. Olivari (1990). He received his initial faculty appointment in 1989 and held a position on the faculty at UT Southwestern Medical Center for 17 years where he ascended to the rank of Professor of Medicine. Concurrently he was holder of the Carl Westcott Distinguished Chair in Medical Research, Associate Dean for Clinical Affairs and Medical Director of the Heart Failure/Heart Transplant Program. In 2006 he was named Director of the Baylor Heart and Vascular Institute, Dallas. In 2010, he completed a Master's of Science in Medical Management (Beta Gamma Sigma) at the University of Texas- Dallas, School of Business and Management.

Dr. Yancy's research interests are heart failure, clinical guideline generation, outcomes sciences, personalized medicine, and health care disparities. He is extensively published with well over 500 peer reviewed publications, an H-index of > 100 and annual recognition as one of the most highly cited scientific authors worldwide. Dr. Yancy is Deputy Editor, JAMA Cardiology, and Senior Section Editor (Heart Failure), Journal of the American College of Cardiology (JACC). He serves on the editorial boards for Circulation, Circulation Heart Failure, the American Heart Journal, and JACC Heart Failure.

Yancy is board certified in internal medicine with a subspecialty in cardiovascular disease. He is a Master of the American College of Cardiology (ACC), a Master of the American College of Physicians, a Fellow of the American Heart Association (AHA), and a Fellow of the Heart Failure Society of America. He has served on innumerable clinical practice guidelines and consensus statements writing committees and served as Chair, ACC/AHA Heart Failure Clinical Practice Guideline Writing Committee, 2011 - 2020. He is co-chair of the ACC Diversity & Inclusion Taskforce. Dr. Yancy is a former president of the AHA (2009–2010) and recipient of the Gold Heart Award (2014) and the James Herrick Medal (2020) for distinguished achievement in clinical cardiovascular medicine. He has completed extensive Government service for the National Institutes of Health, (incl. service on the Advisory Committee to the Director for the NIH), the Food and Drug Administration, (incl. Chair of the Cardiovascular Device Panel), and the Patient Centered Outcomes Research Institute (as a founding member of the Methodology Committee).

In 2016, Dr. Yancy was elected to the National Academy of Medicine. In 2018, he was appointed to the Minority Health Affairs Subcommittee, Department of Health and Human Services. Also in 2018, Dr. Yancy received two lifetime achievement awards for clinical research from WomenHeart® and for research and leadership in Diversity from the Cardiovascular Research

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Foundation®. In 2019, he received the Outstanding Alumnus Award from his alma mater, Tulane University School of Medicine, New Orleans, Louisiana. In 2020, he received elected membership in the Association of American Physicians (AAP).

Laura Zwaan, Ph.D., is an Assistant Professor at the Institute of Medical Education Research Rotterdam (iMERR) of the Erasmus MC in Rotterdam, The Netherlands. Dr. Zwaan has a background in cognitive psychology and epidemiology and obtained a PhD degree from the VU University Medical Center in Amsterdam.

Dr. Zwaan is fascinated by how clinicians make complex decisions under uncertainty. Her research focuses on the clinical reasoning process and the cognitive causes of diagnostic errors. Dr. Zwaan received several grants and awards for her research, including prestigious personal VENI grant from the Netherlands Scientific Organization. Dr. Zwaan initiated the European Diagnostic Error in Medicine conferences and was the main organizer and chair of the 1st European conference in Rotterdam in 2016 and the co-chair for the conference in Bern, Switzerland (2018).

Dr. Zwaan is an active member of the Society to Improve Diagnosis in Medicine (SIDM) and has been on the scientific committee for the Diagnostic Error in Medicine conferences for 8 years (2011-2018) and she served as the chair of the SIDM research committee (2015-2017).