QUESTIONING PREVENTIVE MEDICINE: IS A POUND OF PREVENTION WORTH AN OUNCE OF CURE?

SPEAKER BIOS

Farr Curlin, MD

Dr. Curlin is Josiah C. Trent Professor of Medical Humanities at Duke University. A practicing palliative medicine physician, Farr works in both the School of Medicine's Trent Center for Bioethics, Humanities & History of Medicine, and the Divinity School's Initiative on Theology, Medicine, and Culture. He works with Duke colleagues to foster scholarship, study, and training regarding the intersections of medicine, ethics, and religion.

Macarius Donneyong, PhD, MPH

Dr. Donneyong is an Assistant Professor with joint faculty appointments in the Colleges of Pharmacy and Public Health at The Ohio State University (OSU). He has a Ph.D in Epidemiology from the University of Louisville, KY. Prior to joining OSU, Dr. Donneyong was a Research Specialist at the Division of Pharmacoepidemiology and Pharmacoeconomics (DoPE), Brigham and Women's Hospital/Harvard Medical School, Boston, MA. At OSU, Dr. Donneyong's research goal is to help improve the health of racial/ethnic minorities by generating information to improve adherence, safety and effectiveness of prescribed medication. His major research interest in racial/ethnic disparities in medication treatment outcomes include:

1. Examining the direct and indirect role of social determinants of health on medication utilization, adherence and effectiveness.
2. Examining the effect of patient-provider relationships on medication treatment outcomes.
3. How to prevent harmful effects of drug-drug interactions: polypharmacy increases exposure to drug-drug interaction and is more prevalent among racial/ethnic minorities because of higher prevalence of multiple chronic conditions.

Nortin M. Hadler, MD, MACP, MACR, FACOEM

Dr. Hadler is a graduate of Yale College and The Harvard Medical School. He trained at the Massachusetts General Hospital, the National Institutes of Health, and the Clinical Research Centre in London. He was certified a Diplomate of the American Boards of Internal Medicine, Rheumatology, Allergy & Immunology and Geriatrics. He joined the faculty of the University of North Carolina in 1973, was promoted to Professor of Medicine and Microbiology/Immunology in 1985 and transitioned to Emeritus status in 2015. In recognition of his clinical activities, he was elevated to Mastership in both the American College of Physicians and the American College of Rheumatology.

The immunobiology of peptidoglycans were the focus of his early investigative career. Because of the contributions of his laboratory, he was selected as an Established Investigator of the American Heart Association and elected to membership in the American Society for Clinical Investigation. The focus on basic biology was superseded by an analysis of "the illness of work incapacity." Over 200 papers and 12 books resulted along with election to the National Academy of Social Insurance and Fellowship in the American College of Occupational and Environmental Medicine.

In the past 2 decades, he turned his critical razor to much that is considered contemporary medicine at its finest. His assaults on medicalization and overtreatment appear in many commentaries and in 7 monographs: *The Last Well Person* (MQUP 2004) and UNC Press' *Worried Sick* (2008), *Stabbed in the Back* (2009), *Rethinking Aging* (2011), *Citizen Patient* (2013), *By the Bedside of the Patient* (2016) and *Promoting Worker Health* (2018). He serves on the Governing Committee of the National Courts and Sciences Institute. In 2015 he assumed a leadership role in an initiative to establish the alternative healthcare system described in his latest book.

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Dima M. Qato, PharmD, MPH, PhD

Dr. Qato, PharmD, MPH, PhD serves as the Hygeia Centennial Chair and Associate Professor (with tenure) in the Titus Family Department of Clinical Pharmacy. She has also been appointed as a Senior Fellow with the USC Leonard D. Schaeffer Center for Health Policy and Economics.

Prior to joining USC, Dr. Qato was an Associate Professor in the Department of Pharmacy Systems, Outcomes and Policy at the University of Illinois at Chicago College of Pharmacy (2012-2020). She also serves as a National Academy of Medicine Pharmacy Fellow for 2018-2020. Dr. Qato received her PharmD from UIC, an MPH from the Johns Hopkins School of Public Health and a PhD in Public Health from the University of Illinois School of Public Health.

At the USC School of Pharmacy, she will develop and lead interdisciplinary research efforts focusing on drug utilization, access to medicines, and pharmaceutical policy both in the U.S. and globally to better understand why medications are used, or not used, and how they can and should be used in the population to promote equity, longevity and good health.

Dr. Qato's research utilizes population-based methods to better understand the underlying mechanisms responsible for the use, underuse and unsafe use of medications, how these patterns may influence health outcomes and health disparities, and what can be done from a community and policy perspective to address these growing public health problems. Dr. Qato's goal is to promote public accountability to better ensure access to, and safe use of, medications at the national, state and local levels. In an effort to achieve this goal, Dr. Qato is interested in incorporating the concept of 'essential medicines' in payment and regulatory decision-making in ongoing health care reform.

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Paul Scherz, PhD

Dr. Scherz began his academic career researching the genetics of embryonic development. After completing a B.A. at U.C. Berkeley, a Ph.D. in Genetics at Harvard University, and a Helen Hay Whitney postdoctoral fellowship at UCSF, he decided to investigate the theological and ethical implications of biomedical research. He received an M.T.S. and a Ph.D. in Moral Theology from the University of Notre Dame.

His research examines the ethics of genetic research, moral formation in science, end of life ethics, and the ethical effects of technology. He is the author of *Science and Christian Ethics* (Cambridge, 2019) and co-editor with Joseph Davis of *The Evening of Life: The Challenges of Aging and Dying Well* (Notre Dame, 2020). His forthcoming book, *Tomorrow's Troubles: Risk, Anxiety, and Prudence in and Age of Algorithmic Governance* (Georgetown, 2022), examines the role of risk in contemporary culture and ethics.

He is Associate Professor of Moral Theology and Ethics in the School of Theology and Religious Studies at the Catholic University of America. He also co-directs the joint Catholic Clinical Ethics program with Georgetown University's Pellegrino Center for Clinical Bioethics and is a Visiting Fellow at the Institute for Advanced Studies in Culture at the University of Virginia.

Respondents

Warren Kinghorn, MD, ThD

Dr. Kinghorn is the Esther Colliflower Professor of the Practice of Pastoral and Moral Theology at Duke Divinity School and Associate Professor of Psychiatry in Duke University Medical Center. Dr. Kinghorn received his M.D. from Harvard Medical School and his M.T.S. and Th.D. from Duke Divinity School. In addition to teaching at Duke Divinity School, Warren practices psychiatry at the Durham VA Medical Center. His scholarly work centers on the role of religious communities in caring for persons with mental health problems and on ways in which Christians engage practices of modern health care. He has written on the moral and theological dimensions of combat trauma and moral injury, on the moral and political context of psychiatric diagnosis, and on the way that St. Thomas Aquinas' image of the human as wayfarer might inform contemporary practices of ministry and mental health care.

Aaron McKethan, PhD

Aaron McKethan is General Manager of New Ventures at Aledade, Inc. where he oversees the establishment and management of new business lines, products, and services aligned with Aledade's core mission supporting value-based primary care. At Duke, Aaron is Senior Policy Fellow at the Duke-Margolis Center for Health Policy and Adjunct Professor of Population Health Sciences in the Duke University School of Medicine. Aaron previously co-founded and led two healthcare data science and technology companies (NoviSci and RxAnte) and served in executive health care roles in both federal and state government. Aaron holds a PhD from the University of North Carolina at Chapel Hill, where he also received his undergraduate degree. Aaron's work has appeared in such publications as the Journal of the American Medical Association, the New England Journal of Medicine, and Health Affairs. With his wife and four children, Aaron lives in Durham, NC where he also serves on several non-profit boards, including Samaritan Health Center in Durham, NC.

Neha Pagidipati, MD, MPH

Neha J. Pagidipati, MD, MPH, is an Assistant Professor of Medicine in Cardiology and cardiometabolic disease prevention specialist. Since 2011, she has conducted research on cardiometabolic disease prevention, lifestyle modification and weight management. She is currently an NIH K12 scholar in Implementation and Dissemination Science.

Dr. Pagidipati directs the Duke Cardiometabolic Disease Prevention Program, which focuses on behavior change and risk factor management in patients with high risk of cardiovascular and metabolic diseases. The program's multi-disciplinary team of cardiologists, endocrinologists, nephrologists, and hepatologists work together to provide coordinated, team-based care to the most high-risk and complex patients in the health system.

Dr. Pagidipati's research grants include the COORDINATE-Diabetes Trial, a national cluster-randomized implementation study to improve the quality of care for patients with diabetes and cardiovascular disease across the U.S. She served as a study clinician on the EXSCEL (Exenatide Study of Cardiovascular Event Lowering) trial. She is currently conducting a nation-wide study of obesity management using real-world data sources, and is the Return of Results Co-Chair for the Baseline Health Study in collaboration with Verily Life Sciences. In addition, she is leading a large study within the Duke Health System to study heterogeneity within cardiovascular disease risk and response to weight loss interventions among individuals with obesity.

Dr. Pagidipati graduated from Harvard College and Harvard Medical School. She completed her internal medicine residency at Brigham and Women's Hospital. During a two-year research fellowship in Global Women's Health at the Brigham, she obtained an MPH from the Harvard School of Public Health and studied cardiovascular disease prevention in women in India. Dr. Pagidipati completed a four-year cardiology fellowship at the Duke University School of Medicine and served as Chief Research Fellow at the Duke Clinical Research Institute. In 2017, she became a faculty member of the Duke University School of Medicine School.

Michael Pencina, PhD

As Vice Dean for Data Science, Dr. Pencina is responsible for developing and implementing quantitative science strategies as they pertain to the education and training, and laboratory, clinical science, and data science missions of the School of Medicine. Dr. Pencina is a Professor of Biostatistics and Bioinformatics at Duke University and Director of Duke AI Health. Previously, he served as Director of Biostatistics at the Duke Clinical Research Institute.

Dr. Pencina is an internationally recognized authority in risk prediction model development and evaluation. Expert panels and guideline groups frequently recommend methods proposed in his research and have adopted them as the most promising new statistical tools in assessing and quantifying model performance.

Dr. Pencina is actively involved in the design, conduct and analysis of clinical studies with particular focus on novel and efficient designs and applications of machine learning for medical decision support. He interacts regularly with investigators from academic and industry institutions as well as the Food and Drug Administration.

Thomson Reuters/Clarivate Analytics recognized Dr. Pencina as a Highly Cited Researcher in two fields, social sciences and clinical medicine, for the years 2014 – 2020. He is co-author of more than 370 manuscripts published in peer-reviewed journals and has been cited over 83,000 times in professional publications. He serves as Deputy Editor for Statistics at JAMA-Cardiology and Associate Editor for Statistics in Medicine.

In 2003, Dr. Pencina received his PhD in Mathematics and Statistics from Boston University. He holds master's degrees from the University of Warsaw in actuarial mathematics and business culture. He joined the Duke University faculty in 2013. Dr. Pencina served as an Associate Professor in the Department of Biostatistics at Boston University and the Framingham Heart Study and as Director of Statistical Consulting at the Harvard Clinical Research Institute.

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Kevin Weinfurt, PhD

Kevin Weinfurt, Ph.D., is Professor and Vice Chair of Research in the Department of Population Health Sciences at Duke University Medical Center and a faculty member of the Duke Clinical Research Institute. Dr. Weinfurt is also a Professor of Psychology and Neuroscience, Professor of Psychiatry and Behavioral Sciences, Professor of Biostatistics and Bioinformatics, and a Faculty Associate of the Trent Center for the Study of Medical Humanities and Bioethics. Dr. Weinfurt co-directs the Center for Health Measurement in the Duke University School of Medicine. Currently, Dr. Weinfurt is working part-time as a Special Governmental Employee with the U.S. Food and Drug Administration in the Office of Biostatistics, developing guidance for the Patient-Focused Drug Development initiative. Dr. Weinfurt received his PhD in psychology at Georgetown University and did graduate work in the history of science and philosophy of mind at Linacre College, Oxford.

Dr. Weinfurt conducts research on measuring patient-reported outcomes, research ethics, and the psychology of medical decision making. Currently, Dr. Weinfurt is co-PI of the coordinating center for the NIH Health Systems Research Collaboratory, dedicated to improving understanding of how to conduct pragmatic clinical trials. Within the NIH Collaboratory, he has led or co-led work on bioethics, patient-reported outcomes, and dissemination of lessons learned. He served on the Board of Directors for the International Society of Quality of Life Research and a member of the Patient-Centered Outcomes Research Institute's Clinical Trials Advisory Panel. Dr. Weinfurt is currently a member of the Secretary's Advisory Committee on Human Research Protections (SACHRP), which provides expert advice and recommendations to the Secretary of HHS on issues pertaining to the protection of human subjects in research.

As an educator, Dr. Weinfurt co-directs Duke's masters-level Clinical Research Training Program and has taught undergraduate and graduate courses in bioethics, health measurement, psychology, and research methods.

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