Research and Application in Team Science Biographical Sketches

Dr. Emily E. Ackerman is a postdoctoral researcher in the Systems Biology department at Harvard Medical School. Her work in the Lahav Lab uses computational methods to understand the p53 signaling dynamics of cancer cells. She completed her Ph.D. in Chemical Engineering at the University of Pittsburgh where she was supported by the Howard Hughes Medical Institute as a Gilliam Fellow. As a disabled researcher, Emily is devoted to activism surrounding disability justice both inside and outside of academia with a particular interest in the interaction between disability, technology, and education. She has published writings and spoken publicly on her identity as a disabled woman in computational science and her experience with the way science and technology fields exclude disabled voices. She has served as a committee member for two NASEM projects addressing the advancement of disabled scientists and researchers. In addition, Emily serves on the board of directors of Future of Research and co-leads the Labor Task Force, a project aimed at assessing and improving the labor conditions of academic workers.

Jeni Cross, PhD, is the Director of the Institute for Research in the Social Sciences and Professor of Sociology at Colorado State University, and Director of the Team Science Core at the Colorado Clinical and Translational Sciences Institute. Dr. Cross has been conducting community-engaged research for her entire career, working with community agencies and businesses to develop effective programs and design transformational change. Her areas of expertise include social change, inter-agency collaboration, community development, social network analysis and interventions, and research methods. She has worked with institutes of higher education and large transdisciplinary teams since 2015 to design systems change initiatives and developed innovative evaluation methods for assessing how teams emerge, develop, and mature in a variety of contexts. She has published on novel assessments of public health coalitions, green building design teams, and transdisciplinary science teams. As the result of working with diverse teams, her research is published in journals across more than 20 fields of science including, nursing, sociology, civil engineering, public health, criminology, and ecology. Her research has been funded by the US Environmental Protection Agency, US Department of Education, US Department of Justice, the National Science Foundation, the National Institutes of Health. She is currently the co-chair of the Environmental Health Matters Initiative (EHMI), a committee of the National Academies of Science, Engineering and Medicine. The EHMI address complex environmental problems as an interconnected, multi-sectoral, multi-faceted system, with a focus on the cumulative impacts from environmental stressors.

Stephen M. Fiore is the director of the Cognitive Sciences Laboratory and Pegaus Professor with the University of Central Florida's Cognitive Sciences Program in the Department of Philosophy and School of Modeling, Simulation, and Training. He maintains a multidisciplinary research interest that incorporates aspects of the cognitive, social, organizational, and computational sciences in the investigation of learning and performance in individuals and teams. His primary area of research is the interdisciplinary study of complex collaborative cognition and the understanding of how humans interact socially and with technology. He is the past president of the International Network for the Science of Team Science (INSciTS), and past president of the Interdisciplinary Network for Group Research (INGRoup). He was a member of the expert panel for the Organisation for Economic Co-operation and Development's 2015 Programme for International Student Assessment (PISA) which focused on collaborative problem-solving skills. He has contributed to working groups for the National Academies of Sciences in understanding and measuring "21st Century Skills" and was a committee member of their "Science of Team Science" consensus study, as well as a member of the National Assessment of Educational Progress report on "Collaborative Problem Solving". He is the recipient of UCF's Luminary Award (2019), as recognition for his work having a significant impact on the world, and UCF's Reach for the Stars Award (2014), as recognition for bringing international prominence to the university. He has a Ph.D. in cognitive psychology from the University of Pittsburgh.

Jeanne-Marie Guise, MD, MPH, MBA, is the Director of the Massachusetts Institute for Equity-focused Learning Health System Science and the Director of the Center for Learning Healthcare Delivery at Beth Israel Deaconess Medical Center (BIDMC). Guise joined BIDMC most recently from Oregon Health & Science University (OHSU) in Portland, Ore., where she served as director of the NW Center of Excellence and K12 Career Development Program in Learning Health System Science. Guise has helped inform health policy, practice and science for leading professional organizations in the United States and Canada. She is co-founder of the U.S. Cochrane Network, director of U.S. Cochrane West and the founding director of the State Obstetric Pediatric Research Collaboration and the Children's Safety Initiative, an interdisciplinary consortium of investigators dedicated to improving the health and safety of women and children. Also, a professor with tenure in obstetrics and gynecology, medical informatics and clinical epidemiology, emergency medicine, and public health at OHSU, Guise is a dedicated mentor and educator. She has led research training programs that include the NIH-funded Building Interdisciplinary Research Careers in Women's Health (BIRCWH) program, the Agency for Healthcare Research and Quality and Patient-Centered Outcomes Research Institute-sponsored K12 Career Development program in learning health system science, and the Physician Scientist Program for the OHSU School of Medicine. Guise's research interests include evidence-based medicine, clinical informatics, patient safety and learning health systems. Guise received her medical degree from the University of Washington and completed residency training in obstetrics and gynecology at the University of North Carolina at Chapel Hill. She received a master's degree in public health in epidemiology from the University of North Carolina as a National Research Service Award Primary Care Research fellow and received a healthcare MBA from OHSU and Portland State University . She is also a graduate of the Executive Leadership in Academic Medicine (ELAM) program.

C. K. Gunsalus is the Director of the National Center for Principled Leadership and Research Ethics (NCPRE), Professor Emerita of Business, and Research Professor at the Coordinated Sciences Laboratory at the University of Illinois Urbana-Champaign. NCPRE develops tools, systems, and resources for educating about ethics and leadership with particular expertise in those operating in academia. She is the PI for a $6.8M project with the Howard Hughes Medical Institute on leadership development tailored to research settings, Labs That Work: For Everyone, the PI for creating a Leadership Academy for Nanyang Technological University in Singapore, and co-PI on an NSF research project with Dena Plemmons of UC Riverside on Deliberative Lab Conversations for improved data stewardship. In her time at Illinois, she has been on the faculty of the colleges of Business, Law, and Medicine and served as Special Counsel in the Office of University Counsel. She served as Associate Provost, where she was responsible for a range of academic policy and administrative duties, including department head training/support, oversight of discrimination and harassment grievance procedures, problem personnel cases and membership on the workplace violence team. Before that, she was an Associate Vice Chancellor for Research, where she was the inaugural Research Integrity Officer, and established the first conflicts of interest reporting system on campus.

Clarence Jordan is Director of Clinical Programs, Carelon Behavioral Health. In this role, he provides strategic direction and leadership for the company's national Wellness & Recovery program. He is responsible for various initiatives to operationalize Carelon's commitment to recovery-based principles in the delivery of behavioral health services. Jordan is a former naval officer, and his recovery journey is chronicled in National Council Magazine's "50 Years, 50 Stories of Recovery" special issue to commemorate the 50th anniversary of the Community Mental Health Act. Clarence Jordan has deep roots in the National Alliance on Mental Illness (NAMI) and has served multiple terms on its National Board of Directors. Prior to that, as the NAMI Tennessee state office Director of Multicultural Outreach Initiative, he developed and wrote "A Family Guide to Mental Health: What You Need to Know." Clarence Jordan received the Consumer Leadership Award at the Substance Abuse and Mental Health Service Administration (SAMHSA) 2010 National Voice Awards. Jordan was also selected into 2012 VOICE Awards Fellows Program. In 2014, the National Council for Behavioral Health named him its Peer Specialist of the Year. In 2015 Clarence was selected to serve on the Committee on the Science of Changing Behavioral Health Social Norms, Board on Behavioral, Cognitive, and Sensory Sciences Division of Behavioral and Social Sciences and Education of the National Academies of Science, Engineering, and Medicine. The findings of the Committee were released in a 2017 report "Ending Discrimination Against People with Mental and Substance Use Disorders, The Evidence for Stigma Change." In 2022, The Substance Abuse and Mental Health Services Administration (SAMHSA) selected Clarence as a member of the Subject Matter Expert Panel. The Panel was seated to provide input to SAMHSA on the development of National Standard Guidance for the certification of Peer Specialist. In 2023, the National Practice Guidelines was released to all stakeholders and the public on peer specialist certification.

Michael Potter, MD, is a professor of family and community medicine at the UCSF School of Medicine. He currently leads the Team Science Program at UCSF's Clinical and Translational Science Institute. In this role, he has focused on intramural activities to encourage faculty to participate in team-based research and to increase recognition of broadly engaged team-based research activities in the academic promotions process.

Michael O'Rourke is Professor of Philosophy and faculty in AgBioResearch and Environmental Science & Policy at Michigan State University. His research interests include the nature of communication and epistemic integration in collaborative, cross disciplinary research, the nature of linguistic communication between intelligent agents, and the philosophy of environmental science. He is Director of the Toolbox Dialogue Initiative, an NSF-sponsored research consortium that investigates philosophical approaches to facilitating cross disciplinary research (http://tdi.msu.edu/), Executive Director of the Toolbox Dialogue Initiative Center, a service center at MSU that is the principal locus of Toolbox work, and former Director of the MSU Center for Interdisciplinarity. He has published extensively on the topics of communication, interdisciplinary theory and practice, and robotic agent design. He has been a collaborator on funded projects involving environmental science education, cross-disciplinary facilitation, biodiversity conservation, sustainable agriculture, resilience in environmental systems, and autonomous underwater vehicles.

Marissa Shuffler has over a decade of experience conducting basic and applied research in the areas of team development, leadership, and organizational effectiveness. Dr. Shuffler is the Wallace R. Roy Associate Professor of Industrial/Organizational (I/O) Psychology at Clemson University, and Director of Clemson's DIGITAL (Deriving Innovative & Rigorous Science for Teaming And Leading) Research Lab. She earned her master's degree in I/O Psychology from George Mason University in 2006 and her doctorate in I/O Psychology from the University of Central Florida in 2013. Her research focuses on the study of scientifically derived, innovative interventions that facilitate effective team functioning and well-being in organizations. Dr. Shuffler specifically focuses on teams operating in high risk and complex environments including healthcare, military, manufacturing, spaceflight, and interdisciplinary science. She has served as scientific lead on numerous interdisciplinary research collaborations, working with agencies such as NASA, Prisma Health, the National Cancer Institute, and the U.S. Army Research Institute. To date, Dr. Shuffler has secured over $15 million in grant funding as either a Principal Investigator or Co-Investigator from federal and private entities. In 2017, she was awarded a prestigious National Science Foundation CAREER grant for her research exploring team development interventions and the use of latent profile analysis as a mechanism to better inform intervention design. Dr. Shuffler's published work to date includes an edited book, over 70 scholarly publications, and over 200 presentations.

Bonnielin Swenor is the Endowed Associate Professor of Disability Justice and Health at The Johns Hopkins School of Nursing and holds joint appointments at the Johns Hopkins School of Medicine and the Johns Hopkins Bloomberg School of Public Health. She is the founder and director of the Johns Hopkins Disability Health Research Center, which aims to shift the paradigm from 'living with a disability' to 'thriving with a disability'. Motivated by her personal experience with a visual disability, her work takes a data-driven approach to advancing health equity for people with disabilities and promoting disability inclusion and anti-ableism in higher education, STEMM (science, technology, engineering, mathematics, and medicine), public health, and research. She has provided advice and expertise on disability data, equity, and inclusion to multiple organizations and agencies. Most recently she was a speaker at the White House Office of Science and Technology Policy (OSTP) Summit on Equity and Excellence in STEMM, served as chair of the National Academy of Science, Engineering, and Medicine (NASEM) planning committee for the Disrupting Ableism and Advancing STEM series and

Enhancing Public Access to the Results of Research Supported by the Department of Health and Human Services workshop. She also co-chaired the NIH Advisory Committee to the Director (ACD) Subgroup on Individuals with Disabilities and is a member of the Centers for Disease Control and Prevention (CDC) ACD Health Equity Workgroup. She received her Ph.D. and MPH degrees in epidemiology from the Johns Hopkins Bloomberg School of Public Health and completed a postdoctoral research fellowship at the National Institutes on Aging.

Barbara Endemaño Walker serves as the Director of Strategic Research Initiatives in the Office of Research, and the Special Assistant for DEI Initiatives to the Executive Vice Chancellor at UC Santa Barbara. She was a founding board member and officer of the National Organization of Research Development Professionals (NORDP). She is a member of the NSF Committee on Equal Opportunities in Science and Engineering (CEOSE), the NSF Business and Operations Advisory Committee (BOAC) and is a past council member and officer of the Alliance of Hispanic Serving Institution Educators (AHSIE). Through the Center for Research, Excellence, and Diversity in Team Scholarship (CREDITS), she works with RD professionals to develop tools for university research administrators to contribute to inclusive scholarship teams and environments at their campuses. CREDITS is currently developing a guidebook specifically for research administrators at minority serving institutions (MSIs) to facilitate equity and inclusion in collaborations with research universities.

Susan M. Wolf, JD, is Regents Professor; McKnight Presidential Professor of Law, Medicine & Public Policy; Faegre Baker Daniels Professor of Law; Professor of Medicine; and Chair of the Consortium on Law and Values in Health, Environment & the Life Sciences at the University of Minnesota. She is a member of the National Academy of Medicine (NAM), fellow of the American Association for the Advancement of Science (AAAS), member of the American Law Institute, and fellow of The Hastings Center. Her research addresses ethical, legal, and societal issues in biomedicine and the life sciences including genomics, neuroscience, and bioengineering, and has been funded by the National Institutes of Health (NIH), National Science Foundation (NSF), Robert Wood Johnson Foundation, Greenwall Foundation, and others. Among her current projects is an NSF-funded study on "NetEthics: Building Tools & Training to Advance Responsible Conduct in Complex Research Networks Pioneering Novel Technologies." She has published in Science; New England Journal of Medicine; JAMA; PNAS; Nature Communications; Genetics in Medicine; Journal of Law, Medicine & Ethics; Hastings Center Report; and others. Prof. Wolf has served on numerous advisory bodies including the National Academies Strategic Council for Research Excellence, Integrity, and Trust; National Academies Committee on Science, Engineering, Medicine, and Public Policy (COSEMPUP); National Science Advisory Board for Biosecurity; Association of American Law Schools, Section on Law, Medicine & Health Care (past-Chair); American Society for Bioethics and Humanities, Board of Directors; and Minnesota COVID Ethics Collaborative (Co-Lead). Prof. Wolf earned her J.D. from Yale Law School in 1980 and A.B. (with highest honors) from Princeton University in 1975. She was a National Endowment for the Humanities Fellow and then Associate for Law at The Hastings Center (1984-92), then a Fellow in Harvard University's Program in Ethics and the Professions (1992-93), before joining the faculty at the University of Minnesota.