

Mentorship, Well-being, and Professional Development in STEMM — Addressing the "Knowing-Doing Gap": A Workshop

Committee

Wesley D. Marner II

Co-Chair

Wes Marner, Ph.D., is the Educational Programs Manager at the Morgridge Institute for Research, a private biomedical research institute affiliated with the University of Wisconsin -Madison. At the Morgridge Institute, Marner leads a professional and career advising program for graduate students and postdoctoral researchers mentored by institute investigators. In collaboration with colleagues at UW-Madison, his office creates professional development training for campus trainees and provides one-on-one advising. Marner also coordinates youth STEM mentorship/apprenticeship programs at the institute, and he is responsible for aspects of the institute's diversity, equity, and inclusion activities. During his tenure at Morgridge, he managed several public engagement programs and was the deputy director of the Wisconsin Science Festival, a statewide partnership that provides science engagement for 30,000 people annually. Marner holds professional certifications as a Diversity and Inclusion Practitioner and as a facilitator for mentor training curricula, and he is a member of the National Academic Advising Association and the Wisconsin Society of Science Teachers. He has held both academic and private-sector positions engaged in trainee development, public engagement with science, informal science education, and scientific team management. Dr. Marner earned a B.S. from Virginia Tech and a Ph.D. in Chemical Engineering from the University of California, Berkeley.

Audrey J. Murrell

Co-Chair

Audrey J. Murrell, Ph.D., is currently Professor of Business Administration with secondary appointments within the Department of Psychology and the Graduate School of Public and International Affairs at the University of Pittsburgh. She is the current Editor of the *Frontiers: The Interdisciplinary Journal of Study Abroad*, the Associate Editor of the *Diversity, Equity and Inclusion Journal* and member of the editorial board for the *International Journal of Environmental Research and Public Health journal*. She is the author of several books including her most recent book, “Diversity Across Disciplines: Research on People, Policy, Process and Paradigm” (with Jennifer Petrie-Wyman and Abdesalam Soudi). Audrey’s community service activities include having served on a number of non-profit and community boards and was recently appointed by the Mayor to serve on the Pittsburgh Water and Sewer Authority board of directors and the Black Women’s Equity Initiative. She conducts research, teaching and consulting that helps organizations better utilize and engage their most important assets – their human and social capital. Previously, she served as the Acting Dean of the University of Pittsburgh’s Honors College, Associate Dean within the College of Business Administration and as the Director of the David Berg Center for Ethics and Leadership. She received her B.S. from Howard University, magna cum laude and her M.S. and Ph.D. in Social Psychology from the University of Delaware.

Sherilynn Black

Member

Sherilynn Black, Ph.D., is Associate Vice Provost for Faculty Advancement and Assistant Professor of the Practice of Medical Education at Duke University. Her social neuroscience research examines effectiveness of interventions promoting diversity and equity in academia, and her expertise includes culturally aware mentorship for students and faculty, catalyzing systemic change for academic organizations, and creating interventions that a) increase representation and equitable practices in academia, and b) effectively support professional development across academic career stages. She holds national appointments with HHMI, AAMC, Burroughs Wellcome Fund, Society for Neuroscience, and NIH (Advisory Committee to the Director- Working Group on Diversity). Her distinctions include the Samuel Debois Cook Society Award, the Deans Award for Inclusive Excellence in Graduate Education, the Equity, Diversity and Inclusion Award, and Cell’s ‘Most Inspiring Black Scientists in America’. She previously served as the inaugural director of the Office of Biomedical Graduate Diversity and Principal Investigator of the NIH-IMSD Duke Biosciences Collaborative for Research Engagement (BioCoRE). Dr. Black previously served on the NASEM Consensus Study on Graduate Education and on the NASEM Roundtable Committee on Anti-Racism in Health Professions Education. She earned her B.S. in Psychology/Biology from UNC–Chapel Hill, her Ph.D. in Neurobiology at Duke University, and completed additional studies in Education at UNC–Chapel Hill.

Brian A. Burt

Member

Brian A. Burt, Ph.D., is Associate Professor in the Educational Leadership and Policy Analysis department in the School of Education at the University of Wisconsin-Madison. He also serves as Director and Chief Research Scientist in the Wisconsin's Equity & Inclusion Laboratory (Wei LAB). Dr. Burt studies the experience of graduate students and the institutional policies and practices that influence students' pathways. His research falls into two strands: understanding team-based research experiences, and exploring the experiences of underrepresented graduate students of color in engineering. Through his work, Dr. Burt seeks to provide new ways to understand science participation and the experiences that might attract students to or turn them away from science pathways. He has received numerous awards recognizing his scholarship including the National Academy of Education/Spencer Postdoctoral Fellowship, National Science Foundation Early CAREER Award, Emerging Scholar by Diverse Issues in Higher Education, Martin Luther King Jr. Collegium of Scholars Inductee, and received the Wickenden Award for best paper from the Journal of Engineering Education. Dr. Burt holds a Ph.D. in Higher Education from the University of Michigan.

Andres F. Diaz

Member

Andres F. Diaz, M.S., is a Medical Scientist Training Program (MSTP) MD/PhD student at the University of Arizona College of Medicine - Tucson. He is part of the UA Cancer Biology Program working in the Katsanis and Simpson Laboratory. As an American Medical Student Association (AMSA) Board of Trustees member, Mr. Diaz plays a role in planning DEI initiatives for the organization, contributes to grant submissions for the organization's global health initiatives, and serves as chief editor of the AMSA's official publication, The New Physician. For his service to AMSA, he received the James Slayton National Award for Leadership Excellence in 2022. Mr. Diaz earned his MS in Cellular and Molecular Biology from Tulane University, as well as his BS in Biomedical Sciences and a BS Biotechnology with a minor in Medical Anthropology from the University of Central Florida.

Kimberly Griffin

Member

Kimberly Griffin, Ph.D., is Dean of the College of Education and a Professor in the Higher Education, Student Affairs, and International Education Policy Program (Student Affairs Area of Specialization). Dr. Griffin is an active scholar and researcher, engaged widely in efforts to promote diversity and equity in higher education. Her research interests include: diversity and equity in graduate education and the professoriate; diversity within the Black higher education community; and mentoring and career development. She also served as the editor of the Journal of Diversity in Higher Education from 2018-2022. Dr. Griffin earned her doctoral degree in Higher Education and Organizational Change from UCLA, her Master's degree in Education Policy and Leadership at the University of Maryland, and her Bachelor's degree from Stanford University in Psychology.

Emily Miller

Member

Emily R. Miller, Ph.D., is Deputy Vice President for Institutional Policy at the Association of American Universities. She brings over 20 years of experience in higher education administration, research, and policy to AAU. In partnership with the association's member research universities, Dr. Miller has primary responsibilities for advancing transformational organizational change initiatives in undergraduate and graduate education as well as the research enterprise. She directs the AAU Undergraduate STEM Education Initiative, the AAU Teaching Evaluation project, the PhD Education Initiative, and other strategic projects. Dr. Miller frequently represents AAU's portfolio of work with other national associations, universities, professional and disciplinary societies, industry leaders, policymakers, federal agencies, and foundations working to improve undergraduate and graduate education and advance science and innovation. She also staffs AAU's STEM Network and Association of Graduate Schools constituent groups and serves as liaison to the AAU Arts & Science Deans and AAU Data Exchange (AAUDE) groups. Dr. Miller has published peer-reviewed articles and book chapters on evidence-informed innovations in undergraduate STEM and doctoral education; academic work and faculty reward structures; systemic organizational change at research universities; and multi-institutional strategies and approaches to advance equity and community in STEM disciplines. Dr. Miller earned her PhD in Higher, Adult, and Lifelong Education from Michigan State University; MA in Education Policy and Management from Harvard Graduate School of Education; and BA in Political Science from Gettysburg College.

Melissa Wynn

Staff Officer