

Reducing Financial Barriers for Black Students in Science, Engineering, and Medicine: A Workshop

Committee

Gilda A. Barabino

Co-Chair

Dr. Barabino is President of Olin College of Engineering. She previously served as Daniel and Frances Berg Professor and Dean at The City College of New York's (CCNY) Grove School of Engineering. Prior to joining CCNY, she was Associate Chair for Graduate Studies and Professor in the Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory. At Georgia Tech she also served as the inaugural Vice Provost for Academic Diversity. Prior to Georgia Tech and Emory, she rose to the rank of Professor of Chemical Engineering and was Vice Provost for Undergraduate Education at Northeastern University. She is a noted investigator in the areas of sickle cell disease, cellular and tissue engineering, and the role of race/ethnicity and gender in science and engineering. Dr. Barabino is a member of the National Academy of Engineering and the National Academy of Medicine, a fellow of the American Association for the Advancement of Science (AAAS), the American Institute of Chemical Engineers (AIChE), the American Institute for Medical and Biological Engineering (AIMBE) and the Biomedical Engineering Society (BMES). Dr. Barabino serves on the Scientific Advisory Board of the Chan Zuckerberg Biohub. She is Past-President of BMES and Past-President of AIMBE. She has received an honorary degree from Xavier University of Louisiana, the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, AIChE's Award for Service to Society, and AIMBE's Pierre Galetti Award. Dr. Barabino is a member of the National Science Foundation's (NSF) Advisory Committee for Engineering, the congressionally mandated Committee on Equal Opportunities in Science and Engineering, the AAAS Committee on Science, Engineering and Public Policy, and the incoming chair of the National Academies Committee on Women in Science, Engineering, and Medicine. She consults nationally and internationally on STEM education and research, diversity in higher education, policy, faculty and workforce development. She received a B.S. from Xavier University of Louisiana and a Ph.D. from Rice University.

Theodore J. Corbin, Jr.

Co-Chair

Dr. Corbin is Professor and Vice Chair of Research in the Department of Emergency Medicine at the Drexel University College of Medicine. He also serves as the Founder and Medical Director of “Healing Hurt People,” an emergency department based, trauma-informed intervention for victims of intentional injury which has been implemented at five level one trauma centers in Philadelphia. Dr. Corbin also co-Directs the Center for Nonviolence and Social Justice at the Dornsife Drexel University School of Public Health, where he holds a joint appointment in the Department of Health Management and Policy. Dr. Corbin is Board Certified in Emergency Medicine. Dr. Corbin’s research focuses broadly on addressing the trauma in the lives of victims of violence, especially boys and men of color for whom violence is a leading cause of disability and death. He has received funding from the Philadelphia Department of Behavioral Health and Annie E. Casey Foundation to explore the impact of PTSD on violently injured youth and young adults, and to evaluate the effectiveness of the intervention that he developed Healing Hurt People. He is also the principal investigator on a Department of Justice/Office for Victims of Crime grant to develop and test a community health worker peer training institute, designed to enhance and diversify the health care workforce. Over the past 10 years, Dr. Corbin has received in excess of \$9 million in funding for his translational work as a principal investigator. More recently, Dr. Corbin as co-investigator was the recipient of the Robert Wood Johnson Forward Promise Initiative as well as the Pennsylvania Commission on Crime and Delinquency to support the work for boys and men of color. Dr. Corbin has received a number of honors including a Soros Physician Advocacy Fellowship from the Open Society Foundation and a Stoneleigh Foundation Fellowship to support his career development in serving the needs of vulnerable children and youth. He was also selected as one of Philadelphia’s 40 under 40 Leaders in 2006. Dr. Corbin provided expert testimony to the Defending Childhood Task Force, charged by Eric Holder, U.S. Attorney General to speak on his work in addressing adversity and violence in urban youth. Dr. Corbin has also provided practice-based evidence to the National Academy of Medicine on public health approaches to violence intervention.

George Q. Daley

Member

Dr. Daley is Dean and Caroline Shields Walker Professor of Medicine at Harvard Medical School. He is also Professor of Biological Chemistry and Molecular Pharmacology. Prior to becoming Dean, he was the Director of the Pediatric Stem Cell Transplantation Program at Dana-Farber/Boston Children's Cancer and Blood Disorders Center and an investigator of the Howard Hughes Medical Institute. Daley received his AB, magna cum laude, from Harvard (1982), a Ph.D. in biology from MIT (1989), working with Nobel laureate David Baltimore, and his MD, summa cum laude, from Harvard Medical School (1991). Daley pursued clinical training in internal medicine at Massachusetts General Hospital, where he served as chief resident (1994-1995), and a clinical fellowship in heme/onc at Brigham and Women's Hospital and Children's Hospitals. He remains a staff member in Pediatric Hematology/ Oncology at Boston Children's Hospital. Daley's research uses mouse and human disease models to study cancer and blood disorders. Daley has been elected to the National Academy of Medicine, the American Society for Clinical Investigation, the American Association of Physicians, the American Pediatric Societies, the American Academy of Arts and Sciences and the American Association for the Advancement of Science. He was an inaugural winner of the NIH Director's Pioneer Award (2004) and has won the E. Donnell Thomas Prize of the American Society of Hematology. He was a founding executive committee member of the Harvard Stem Cell Institute, served as president of the International Society for Stem Cell Research (2007-2008), and anchored the special task forces that produced the society's guidelines for stem cell research and clinical translation (2006, 2008, 2016). He was on the organizing committee for both the 2015 and 2018 International Summits on Human Genome Editing and has advocated publicly for responsible international guidelines for attempts at germline genome editing.

Marc Nivet

Member

Dr. Nivet is the Executive Vice President for Institutional Advancement at UT Southwestern Medical Center, where he provides strategic vision and oversight in Development and Alumni Relations; Communications, Marketing, and Public Affairs; Government Affairs; Technology Development; Community and Corporate Relations; and Institutional Equity and Access. Prior to his role at UT Southwestern, Dr. Nivet served as a member of the executive leadership team of the Association of American Medical Colleges, where he provided leadership on issues surrounding community engagement, diversity, and health equity at medical schools and teaching hospitals across the United States and Canada. Dr. Nivet has spent over 20 years in academic medicine developing creative program initiatives and innovative approaches to advance the mission of excellence in research, education, and patient care. Dr. Nivet earned his doctoral degree from the University of Pennsylvania and his MBA from George Washington University's School of Business. He is a fellow of the New York Academy of Medicine, and a former president of the National Association of Medical Minority Educators.

Louis W. Sullivan

Member

Dr. Sullivan is the Chairman and Chief Executive Officer of The Sullivan Alliance to Transform the Health Professions. He is also chairman of the board of the National Health Museum in Atlanta, Georgia, which aims to improve the health of Americans by enhancing health literacy and advancing healthy behaviors. Dr. Sullivan served as chair of the President's Commission on Historically Black Colleges and Universities from 2002-2009 and was co-chair of the President's Commission on HIV and AIDS from 2001 to 2006. With the exception of his tenure as secretary of the Department of Health and Human Services (HHS) from 1989 to 1993, Dr. Sullivan was president of Morehouse School of Medicine (MSM) for more than 2 decades. As Secretary of HHS, Dr. Sullivan's efforts to improve the health and health behavior of Americans included (1) the introduction of a new and improved FDA food label; (2) release of Healthy People 2000, a guide for improved health promotion/disease prevention activities; (3) education of the public about health dangers from tobacco use; (4) successful efforts to prevent the introduction of "Uptown", a non-filtered, mentholated cigarette by R.J. Reynolds Tobacco Company; (5) inauguration of a \$100 million minority male health and injury prevention initiative; and (6) implementation of greater gender and ethnic diversity in senior positions of HHS, including the appointment of the first female director of the NIH, the first female and first Hispanic Surgeon General of the U.S. Public Health Service, and the first African American Commissioner of the Social Security Administration.

Reginald Hayes

Staff Officer