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Division of Behavioral and Social Sciences and Education
Board on Behavioral, Cognitive, and Sensory Sciences

**BOARD ON BEHAVIORAL, COGNITIVE, AND SENSORY SCIENCES
NATIONAL ACADEMIES OF SCIENCES, ENGINEERING AND MEDICINE**

Symposium on *Enhancing the Effectiveness of Team Science*

September 18, 2015

Presenter Biographies

Sandra Ann Brown is a professor of psychology and psychiatry, and was named the Vice Chancellor for Research at UC San Diego in December 2010. She oversees the Office of Research Affairs, which is charged with creating opportunities, enhancing the research experience, developing tools and training to improve research administration, and supporting and promoting university innovations. Under her leadership, UC San Diego has achieved yearly billion-dollar investments in research and has maintained the university's top-five ranking as one of the nation's premier public research universities. She has also overseen a major transformation of research-related processes, saving researchers valuable resources and time in a competitive funding environment. During her tenure at UC San Diego, Brown has managed academic appointments in two departments: Psychology on the general campus, and Psychiatry in the School of Medicine. She has also simultaneously directed the development of clinical, education and research activities as the Chief of Psychology at the Veterans Affairs Health Services System in San Diego. She earned her Ph.D. in clinical psychology at Wayne State University in 1981, and is licensed as a psychologist by the California Board of Psychology.

Nancy J. Cooke (Committee Chair) is a professor of applied psychology at Arizona State University and science director and on the board of directors of the Cognitive Engineering Research Institute in Mesa, Arizona. Dr Cooke served on the Air Force Scientific Advisory Board from 2008-2012 and received the 2006 Keith Hansen Outreach Award from the Human Factors and Ergonomics Society. Dr. Cooke's research interests include the study of individual and team cognition and its application to the development of cognitive and knowledge engineering methodologies, cognitive task analysis, sensor operator threat detection, homeland security systems, remotely-operated vehicles, human-robot interaction, healthcare systems, and emergency response systems. She chaired the National Academies Committee on the Science of Team Science and currently chairs the National Academies Board on Human Systems Interaction, after serving as a member of this board since 2007. Dr. Cooke received a B.A. in psychology from George Mason University and received her M.A. and Ph.D. in cognitive psychology in 1983 and 1987, respectively, from New Mexico State University.

Michael M. Crow became the sixteenth president of Arizona State University (ASU) on July 1, 2002. He is guiding the transformation of ASU into one of the nation's leading public metropolitan research universities, an institution that combines the highest levels of academic excellence, inclusiveness to a broad demographic, and maximum societal impact—a model he terms the “New American University.” Under his leadership ASU has established major interdisciplinary research initiatives such as the Biodesign Institute, Global Institute of Sustainability (GIOS), more than a dozen new trans-disciplinary schools, and witnessed an unprecedented academic infrastructure expansion, near tripling of research expenditures, and attainment of record levels of diversity in the student body. Dr. Crow was previously professor of science policy and executive vice provost of Columbia University, where he served as chief strategist of Columbia's research enterprise and technology transfer operations. A fellow of the American Association for the Advancement of Science (AAAS) and National Academy of Public Administration, and member of the Council on Foreign Relations and U.S. Department of Commerce National Advisory Council on Innovation and Entrepreneurship, he is the author of books and articles analyzing science and technology policy and the design of knowledge enterprises. Crow received his Ph.D. in public administration (science and technology policy) from the Maxwell School of Citizenship and Public Affairs, Syracuse University, in 1985.

Kevin Crowston is a distinguished professor of Information Science in the School of Information Studies at Syracuse University. His research examines new ways of organizing made possible by the extensive use of information and communications technology. Specific research topics include the development practices of Free/Libre Open Source Software teams and work practices and technology support for citizen science research projects, both with NSF support. He received his Ph.D. (1991) in Information Technologies from the Sloan School of Management, Massachusetts Institute of Technology (MIT).

Robert T. Croyle was appointed director of the Division of Cancer Control and Population Sciences, National Cancer Institute (NCI) in July 2003. In this role, he is responsible for overseeing a research portfolio and operating budget of nearly a half billion dollars and serves on NCI's Scientific Program Leaders Committee. As a division, DCCPS covers a wide range of scientific domains and disciplines, including epidemiology, behavioral science, surveillance, cancer survivorship, and health services research. He previously served as the division's associate director for the Behavioral Research Program, leading its development and expansion. Before coming to NCI in 1998, he was professor of psychology and a member of the Huntsman Cancer Institute at the University of Utah in Salt Lake City. Prior to that, he was a visiting investigator at the Fred Hutchinson Cancer Research Center in Seattle, visiting assistant professor of psychology at the University of Washington, and assistant professor of psychology at Williams College in Massachusetts. Dr. Croyle received his Ph.D in social psychology from Princeton University in 1985, and graduated Phi Beta Kappa with a BA in psychology from the University of Washington in 1978.

Stephen M. Fiore is an associate professor of cognitive sciences in the University of Central Florida's Department of Philosophy and director of the Cognitive Sciences Laboratory at UCF's Institute for Simulation and Training. He also serves as the current president of the Interdisciplinary Network for Group Research and is a founding program committee member for the annual Science of Team Science conference. His primary area of research is the interdisciplinary study of complex collaborative problem solving. He has a Ph.D. in cognitive psychology from the University of Pittsburgh, Learning Research and Development Center.

Amy Friedlander is acting deputy division director in the Division of Advanced Cyberinfrastructure, Directorate for Computer and Information Science and Engineering, National Science Foundation. Since joining the NSF in 2010, she has led several strategic planning activities including the SBE 2020 initiative in the Directorate for Social, Behavioral, and Economic Sciences and the agency-wide public access initiative. Prior to joining the Foundation, Dr. Friedlander had a 30-year career in consulting on projects involving cultural resource management, digital data and information, and long-term preservation of digital assets. She is the author of five monographs on historical development of technology-intensive large scale infrastructure systems in the US and was the editor of the ACM Journal on Computing and Cultural Heritage. Dr. Friedlander holds the Ph.D. in History from Emory University and the M.S.L.I.S. from The Catholic University of America. She did post-doctoral work on quantitative methods and computer-assisted social science research at the Newberry Library in Chicago, Illinois.

Kara L. Hall is a Health Scientist, the Director of the Science of Team Science (SciTS) Team, and Co-Director of the Theories Project in the Science of Research and Technology Branch (SRTB), Behavioral Research Program (BRP), Division of Cancer Control and Population Sciences (DCCPS), at the National Cancer Institute (NCI). During her career, Dr. Hall has participated in a wide variety of interdisciplinary clinical and research endeavors. Notably, Dr. Hall helped launch the SciTS field by co-chairing the 2006 conference "The Science of Team Science: Assessing the Value of Transdisciplinary Research" and co-editing the 2008 American Journal of Preventive Medicine Special Supplement on SciTS, which has been the most cited and downloaded AJPM supplement. Dr. Hall continues as a leader of the SciTS field, serving as Program Chair (2013) and Conference Chair (2014) of the Annual International Science of Team Science Conference. She served as member of The National Academies Committee on the Science of Team Science (2013-2015) and currently chairs a Trans-Agency Subcommittee on Collaboration and Team Science of the Federal Networking and Information Technology Research and Development (NITRD) Program in the National Science and Technology Council in the Executive Office of the President. She earned her master's and doctoral degrees in psychology with specializations in clinical psychology, neuropsychology, and behavioral science at the University of Rhode Island.

James S. Jackson (IOM) is the Daniel Katz Distinguished University Professor of psychology, professor of health behavior and health education, School of Public Health, and director and research professor of the Institute for Social Research, at the University of Michigan. He is the past chair of the Social Psychology Training Program and director of the Research Center for

Group Dynamics, the Program for Research on Black Americans, and the Center for Afro-American and African Studies, all at the University of Michigan. He earned his Ph.D. in social psychology from Wayne State University.

Steve W. J. Kozlowski is professor of organizational psychology at Michigan State University. His research is focused on the design of active learning systems and the use of “synthetic experience” to train adaptive skills, systems for enhancing team learning and team effectiveness, and the critical role of team leaders in the development of adaptive teams. He holds a B.A. in psychology from the University of Rhode Island and an M.S. and a Ph.D. in organizational psychology from Pennsylvania State University.

Holly J. Falk-Krzesinski is the vice president for Strategic Alliances in Global Academic Relations for Elsevier where she is focused on how insight from data and analytics guide strategic planning for the research enterprise. Dr. Falk-Krzesinski’s engagement activities emphasize building new relationships and strategic alliances around important issues for research and research training, such as those related to: research analytics & strategic planning; economic development; early career researcher development; scholarly communication & open access/open data; research & faculty information management; expertise discovery & collaboration; research metrics & impact. Dr. Falk-Krzesinski is also involved in broadly promoting early career researchers and women leaders in STEM, serving on the NIH’s BEST program External Scientific Panel and as Editor-in-Chief for the Association for Women in Science (AWIS) Magazine. Prior to joining Elsevier, Dr. Falk-Krzesinski was a faculty member in arts & sciences and medicine at Northwestern University where she led initiatives related to research development, grantsmanship, and team science. Dr. Falk-Krzesinski earned her Ph.D. in Microbiology and Immunology at Loyola University Chicago Stritch School of Medicine and a Certificate in Nonprofit Management from Northwestern’s Kellogg School of Management. .

Keith Marzullo is the director of the Federal Networking and Information Technology Research and Development (NITRD) National Coordination Office (NCO). He also serves as the Co-chair of the NITRD Subcommittee of the National Science and Technology Council (NSTC) Committee on Technology (CoT), where he oversees the operations and activities of the NITRD Program. The NCO reports to the Office of Science and Technology Policy (OSTP), Executive Office of the President. Dr. Marzullo joins NITRD NCO from the National Science Foundation (NSF), where he served as the Division Director for the Computer and Network Systems (CNS) Division in the Computer & Information Science & Engineering (CISE) Directorate. He also served as Co-Chair of the NITRD Cybersecurity and Cyber Physical Systems R&D Senior Steering Groups. Prior to joining NSF, Dr. Marzullo was a faculty member at the University of California, San Diego’s Computer Science and Engineering Department, and served as the Department Chair from 2006-2010. Dr. Marzullo received his Ph.D. in Electrical Engineering from Stanford University, where he developed the Xerox Research Internet Clock Synchronization protocol, one of the first practical fault-tolerant protocols for keeping widely-distributed clocks synchronized with each other.

Maritza Salazar is an assistant professor in the Division of Organizational and Behavioral Science at Claremont Graduate University. Her research interests center on collaboration processes and outcomes in knowledge-diverse and culturally diverse teams that facilitate and inhibit creativity and innovation. Professor Salazar is the recipient of numerous research awards including a major multi-year grant from the National Science Foundation focused on studying and facilitating the integrative capacity of interdisciplinary science teams through team training. She has also consulted, advised, or spoken about her research on the science of team science at various academic institutions including NYU's Langone Medical Center, Stanford's School of Medicine, UCLA, and UC Irvine. She earned her Ph.D. in Management from New York University in 2009 and then completed a postdoc under the direction of Dr. Eduardo Salas at the Institute for Simulation and Training at University of Central Florida.

Hannah Valentine is the first NIH chief officer for Scientific Workforce Diversity, and a Senior Investigator in the Intramural Research Program at the National Heart, Lung, and Blood Institute. Prior to starting this position in April 2014, Dr. Valentine was Professor of Cardiovascular Medicine and the Senior Associate Dean for Diversity and Leadership at Stanford, a leadership position she held since November 2004. She is nationally recognized for her transformative approaches to diversity and is a recipient of the NIH Director's Pathfinder Award for Diversity in the Scientific Workforce. Dr. Valentine has maintained an active clinical research program that continues to have high impact on patient care. Current research extends her previous finding that an organ transplant is essentially a genome transplant, and that monitoring the level of donor DNA in a recipient's blood as a marker of organ damage will detect early stages of rejection. She is currently overseeing a multi-site consortium of mid-Atlantic transplant centers to validate these findings clinically toward the development of a non-invasive tool for detecting early signs of organ rejection. Dr. Valentine is a graduate of St. George's Hospital, London University. She earned her M.D. from London University, London, completed her residency at St. George's Hospital, Brompton Hospital and Guys Hospital London, and her cardiology fellowship training at Royal Postgraduate Medical School in Hammersmith London.

Barbara A. Wanchisen is the director of the National Research Council's Board on Behavioral, Cognitive, and Sensory Sciences. She is a long-standing member of the Psychonomic Society, American Psychological Association (fellow, Division 25), Association for Behavior Analysis - International, and the American Association for the Advancement of Science. She has served on the editorial boards of the Journal of the Experimental Analysis of Behavior and The Behavior Analyst while also serving as a guest reviewer of a number of other journals in experimental psychology. From November 2001 until April 2008, Wanchisen was the executive director of the Federation of Behavioral, Psychological, & Cognitive Sciences in Washington, DC, a non-profit advocacy organization. In 2004, she was instrumental in the founding of the Federation's Foundation for the Advancement of Behavioral and Brain Sciences, which assumed the educational mission of the Federation. Previously, Wanchisen was Professor in the Department of Psychology and Director of the college-wide Honors Program at Baldwin-Wallace College in Cleveland, Ohio. She received a B.A. in English and Philosophy from Bloomsburg University in Pennsylvania, an M.A. in English from Villanova University, and her Ph.D. in Experimental Psychology from Temple University.