

20 YEARS OF INFORMING POLICY AND PRACTICE



SYMPOSIUM FOR  
THE 20<sup>TH</sup> ANNIVERSARY  
OF THE BOARD ON  
BEHAVIORAL, COGNITIVE,  
AND SENSORY SCIENCES



**1997-2017**

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WELCOME



**20<sup>TH</sup> ANNIVERSARY OF THE  
BOARD ON BEHAVIORAL, COGNITIVE,  
AND SENSORY SCIENCES**

We are delighted that you are joining us at the National Academies of Sciences, Engineering, and Medicine for a full afternoon of lively presentations and discussions about the future of the behavioral sciences! Presentations from more senior, distinguished scholars will be followed by talks from emerging scholars—they will all briefly describe their work and offer their views on where the science is headed.

As you will see, there will be opportunities for all participants to be heard—in person or on the webcast. We encourage you to speak up now and even after the symposium is done. The Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS) website will archive the event and we are always open to hearing your thoughts.

The day's events will close with a high-profile session featuring two notable speakers, Daniel Gilbert from Harvard University and David Brooks from *The New York Times*, in an unrehearsed dialogue about their work. This should prove quite interesting!

Enjoy the day, learn a few things and contribute as you see fit! Thank you for your participation.

Sincerely,

Susan Fiske, *BBCSS Chair*

Barbara Wanchisen, *BBCSS Director*



**SYMPOSIUM FOR THE  
20<sup>TH</sup> ANNIVERSARY OF THE  
BOARD ON BEHAVIORAL, COGNITIVE,  
AND SENSORY SCIENCES**

National Academy of Sciences Auditorium  
2101 Constitution Avenue, NW  
Washington, DC

**AGENDA**

October 19, 2017

**11:30 a.m.**

**Registration**

(lunch available for purchase in the lower-level refectory)

**12:15 p.m.**

**Welcome to the National Academies of Sciences,  
Engineering, and Medicine**

Mary Ellen O'Connell, Executive Director, Division of  
Behavioral and Social Sciences and Education

**12:30 p.m.**

**BBCSS Chairs' Welcome and Opening Remarks**

Susan T. Fiske (NAS), Princeton University, BBCSS Chair  
(2015–Present), moderator

Anne Petersen (NAM), BBCSS Chair (1997–2006)

Philip Rubin, BBCSS Chair (2006–2011)

**1:00 p.m.**

**Distinguished Scholars: Research from the Field and  
Directions for the Future**

Susan T. Fiske, moderator

*Functional Imaging of the Human Brain: A Window into the  
Organization of the Human Mind*

Nancy Kanwisher (NAS)  
Massachusetts Institute of Technology

*Rewiring the Human Brain*

Michael Posner (NAS)  
University of Oregon and Weill Medical College of New York

*Stress Can Be Deadly: Aging, Morbidity, and Mortality*

Janice Kiecolt-Glaser (NAM)  
The Ohio State University

*Chronic Stress and Health: The Masquerade of Racial Differences*

James S. Jackson (NAM)  
Institute for Social Research, University of Michigan

*Not Happy?: Just Wait.*

Laura Carstensen (NAM)  
Stanford University

2:00 p.m.

**Emerging Scholars: Looking Toward 2037**

Judy Dubno, Medical University of South Carolina, moderator

*Mindfulness Interventions for Health*

David Creswell  
Carnegie Mellon University

*Health Disparities in Preclinical Alzheimer's Disease:*

*A Neuroimaging Approach*

Ian McDonough  
The University of Alabama

*Computational Cognitive Science: Research at the  
Human-Technology Frontier*

Todd Gureckis  
New York University

*Applied Behavioral Science: Psychology as a Tool for Policy  
Design and Implementation*

Crystal Hall  
University of Washington

2:50 p.m.

**Break**

3:20 p.m.

**The Limitless Future**

Susan T. Fiske, moderator  
Distinguished and Emerging Scholars Envision the Next 20 Years

4:20 p.m.

**Sponsors' Vision of the Future**

William Maurer, University of California, Irvine, moderator

Jay Goodwin, Army Research Institute

Howard Kurtzman, American Psychological Association

Lis Nielsen, National Institute on Aging

Cynthia Null, National Aeronautics and Space Administration

Howard Nusbaum, National Science Foundation

William Riley, National Institutes of Health Office of Behavioral  
and Social Sciences Research

Paula Skedsvold, Federation of Associations in Behavioral &  
Brain Sciences

Jerry Suls, National Cancer Institute

5:15 p.m.

**Break**

5:30 p.m.

**Life, Liberty, and the Pursuit of Happiness:**

**A Conversation with Daniel Gilbert, (Harvard University) and**

**David Brooks, (The New York Times)**

Marcia McNutt (NAS), President, National Academy of  
Sciences, moderator

6:30 p.m.

**Reception, National Academy of Sciences Great Hall**

7:30 p.m.

**Meeting Adjourned**



## EVENT SPEAKERS

### **David Brooks** | *The New York Times*



David Brooks became an Op-Ed columnist for *The New York Times* in September 2003. He is currently a commentator on the *PBS Newshour*, NPR's *All Things Considered*, and NBC's *Meet the Press*. He is the author of *Bobos in Paradise: The New Upper Class and How They Got There* and *The Social Animal: The Hidden Sources of Love, Character, and Achievement*. In April 2015 he came out with his fourth book, *The Road to Character*, which was a number one *New York Times* best-seller. Brooks also teaches at Yale University and is a member of the American Academy of Arts & Sciences.

### **Laura L. Carstensen (NAM)** | Stanford University



Laura L. Carstensen is a Professor of Psychology and the Fairleigh S. Dickinson Jr. Professor in Public Policy at Stanford University where she serves as Founding Director of the Stanford Center on Longevity. Her research has been supported continuously by the National Institute on Aging for more than 25 years and she is currently supported through a prestigious MERIT Award. In 2011, she authored the book *A Long Bright Future: Happiness, Health, and Financial Security in an Age of Increased Longevity*. Carstensen has served on the National Advisory Council on Aging and the MacArthur Foundation's Research Network on an Aging Society. In 2016 she was inducted into the National Academy of Medicine. She has won numerous awards, including the Kleemeier Award from the Gerontological Society of America, a Guggenheim fellowship, and the Master Mentor Award from the American Psychological Association. She received a B.S. from the University of Rochester and a Ph.D. in clinical psychology from West Virginia University.



**David Creswell** | Carnegie Mellon University

David Creswell is an Associate Professor of Psychology at Carnegie Mellon University. Creswell's research focuses broadly on understanding what makes people resilient under stress. Specifically, he conducts community intervention studies, laboratory studies of stress and coping, and neuroimaging studies to understand how various stress management strategies alter coping and stress resilience. For example, he is currently working on studies that test how mindfulness meditation training impacts the brain, peripheral stress physiological responses, and stress-related disease outcomes in at-risk community samples. Creswell also explores how the use of simple strategies (self-affirmation, rewarding activities, cognitive reappraisal) can buffer stress and improve problem solving under pressure.



**Judy Dubno** | Medical University of South Carolina

Judy Dubno, Ph.D., is a Professor and Director of the Hearing Research Program in the Department of Otolaryngology–Head and Neck Surgery at the Medical University of South Carolina in Charleston. Her research, which is supported by grants from the National Institutes of Health (NIH)/National Institute on Deafness and Other Communication Disorders (NIDCD), focuses on auditory perception and speech recognition in adverse listening conditions and how perception changes with age, hearing loss, hearing aids, and training. She previously served on the Advisory Council of the NIH/NIDCD, four Institute of Medicine/National Academies of Sciences, Engineering, and Medicine consensus committees, as President and Secretary- Treasurer of the Association for Research in Otolaryngology, and as President of the Acoustical Society of America. She is a Fellow of the Acoustical Society of America and the American Speech-Language-Hearing Association and the recipient of the James Jerger Career Award for Research in Audiology.



**Susan T. Fiske (NAS)** | Princeton University, *BBCSS Chair*

Susan T. Fiske is the Eugene Higgins Professor of Psychology at Princeton University. Fiske's research addresses how stereotyping, prejudice, and discrimination are encouraged or discouraged by social relationships, such as cooperation, competition, and power. The premise is that people easily categorize other people, especially based on race, gender, and age. Going beyond such categories to learn about the individual person requires motivation. Social relationships supply one form of motivation to individuate and her work shows that being on the same team or depending on another person makes people go beyond stereotypes. Conversely, people in power are less motivated to go beyond their stereotypes. In laboratory studies, she examines how a variety of relationships affect people forming impressions of others. Society's cultural stereotypes and prejudice also depend on relationships of power and interdependence. Group status and competition affect how groups are (dis)liked and (dis)respected. In cultural surveys, she examines the content of group stereotypes based on race, gender, age, (dis)ability, income, and more, finding patterns in the ways that society views various groups.



**Daniel Gilbert** | Harvard University

Daniel Gilbert is the Edgar Pierce Professor of Psychology at Harvard University. Gilbert has won numerous awards for his research and teaching. His popular book, *Stumbling on Happiness*, spent 6 months on *The New York Times* best-seller list, sold more than 1 million copies worldwide, and was awarded The Royal Society's General Book Prize for best science book of the year. He hosted and co-wrote the award-winning NOVA television series *This Emotional Life*, which was seen by more than 10 million viewers in its first airing. In the last few years he has appeared in a series of television commercials meant to help Americans overcome the psychological obstacles to saving for retirement. He is a contributor to *Time*, *The New York Times*, and NPR's *All Things Considered*, and in 2014 Science named him one of the world's 50 most-followed scientists on social media. His TED talks have been seen by more than 15 million people and remain among the most popular of all time.



**Jay Goodwin** | U.S. Army Research Institute for the Behavioral and Social Sciences



Jay Goodwin is Chief of the Foundational Science Research Unit at the U.S. Army Research Institute for Behavioral and Social Sciences (ARI). He is responsible for the execution of a budget of approximately \$10M for basic and applied research. He directs ARI's basic research program, as well as research teams focused on emerging and developing concepts within the applied research program on topics including unit command climate, assessment of cross-cultural competence, and assessing and developing unit cohesion.

Goodwin's research expertise is in leadership, team and organizational effectiveness, and cultural factors in joint, interagency, and multinational contexts. Prior to his current assignment, he has led basic and applied research programs in leader development, team and organizational effectiveness, and cross-cultural issues. He has had multiple assignments in ARI's Program, Budget, and Strategy Office. He was detailed to the U.S. Department of Defense's (DOD's) Comprehensive Review Working Group as a research analyst and the lead writer for the DOD report assessing the impact of the repeal of "Don't Ask, Don't Tell." He recently served as the lead behavioral science expert for a DOD strategic planning effort for defense science and technology through 2035. He was previously employed at the American Institutes for Research, where his project work included test development, employment litigation support with an emphasis on statistical analysis, training evaluation, and performance modeling.

Goodwin received his M.S. and Ph.D. in Industrial/Organizational Psychology from The Pennsylvania State University. He is a Fellow of the Society for Industrial and Organizational Psychology, and the American Psychological Association.

**Todd Gureckis** | New York University



Todd Gureckis is an Associate Professor of Psychology at New York University with affiliation with the Center for Data Science. He received a B.S. in Computer Engineering and a Ph.D. in Psychology from The University of Texas at

Austin. His research compares the behavior of humans to intelligent machines learning algorithms. The goal of this human-machine comparison is to discover the core building blocks of human cognition that make us such uniquely smart and adaptable learners. His work has received numerous awards, including the James S. McDonnell Foundation Scholar Award for research in human cognition and the White House Presidential Early Career Award for Scientists and Engineers (PECASE).

**Crystal C. Hall** | University of Washington



Crystal C. Hall is an Associate Professor at the University of Washington's Evans School of Public Policy and Governance. Her research explores decision making in the context of poverty, using the methods of social and cognitive psychology along with behavioral economics. This work has had a particular focus on financial decision making and economic opportunity for low-income families. In addition to broadening the theoretical understanding of the behavior of this population, her work has also explored new ways of incorporating these insights into policy design and implementation. She has a record of serving government agencies at the local, state, and federal level—most recently serving as a Fellow on the White House Social and Behavioral Sciences Team and the Federal Office of Evaluation Sciences. She is also an Academic Affiliate of ideas42, an organization with the goal of using behavioral science to address a wide range of social problems. She holds a B.S. in both Decision Science and Policy and Management from Carnegie Mellon University and an M.S. and a Ph.D. in Psychology from Princeton University.

**James S. Jackson (NAM)** | Department of Psychology and Institute for Social Research, University of Michigan



James S. Jackson is the Daniel Katz Distinguished University Professor of Psychology, Professor of Afroamerican and African Studies, and Research Professor at the Institute for Social Research, all at the University of Michigan. He is also the Co-Director of the Center for Integrative Approaches to Health Disparities and the Michigan Center for Urban

African American Aging Research. His research focuses on issues of racial and ethnic influences on life-course development, attitude change, reciprocity, social support, and coping and health among blacks in the diaspora. He is a recent Visiting Senior Fellow at the Russell Sage Foundation, a Fellow of the American Academy of Arts & Sciences, the American Association for the Advancement of Science, the W.E.B. Dubois Fellow of the American Academy of Political and Social Sciences, and a member of the National Academy of Medicine. He is a former member of the National Institutes of Health's Directors Advisory Committee and a current member of the National Science Board.

**Nancy Kanwisher (NAS)** | Massachusetts Institute of Technology



Nancy Kanwisher is the Walter A. Rosenblith Professor of Cognitive Neuroscience in the Department of Brain & Cognitive Sciences at the Massachusetts Institute of Technology (MIT) and Investigator at MIT's McGovern Institute for Brain Research. She received her B.S. in 1980 and her Ph.D. in 1986, both from MIT. After receiving her Ph.D., Kanwisher held a MacArthur Fellowship in Peace and International Security for 2 years. Kanwisher then served as a faculty member for several years each in the University of California, Los Angeles, and Harvard University Departments of Psychology, before returning to MIT in 1997. Kanwisher's lab has contributed to the identification and characterization of a number of regions in the human brain that conduct specific cognitive functions, including four involved in the visual perception of specific kinds of stimuli (faces, places, bodies, and words). Kanwisher received a Troland Research Award from the National Academy of Sciences in 1999, a MacVicar Faculty Fellow teaching award from MIT in 2002, and the Golden Brain Award from the Minerva Foundation in 2007. She was elected as a member of the National Academy of Sciences in 2005 and the American Academy of Arts & Sciences in 2009.



**Janice Kiecolt-Glaser (NAM) | The Ohio State University**

Janice Kiecolt-Glaser, Director of The Ohio State Institute for Behavioral Medicine Research, holds the S. Robert Davis Endowed Chair in Medicine in The Ohio State University College of Medicine. She also holds the title of Distinguished University Professor. Working in the area of psychoneuroimmunology, she has authored more than 250 articles, chapters, and books. Her studies have demonstrated important health consequences of stress, including slower wound healing and impaired vaccine responses. Her work has also shown that chronic stress substantially accelerates age-related changes in inflammation, which is linked to some cancers, cardiovascular disease, type 2 diabetes, osteoporosis, arthritis, and frailty and function decline. In addition, her programmatic work has focused on how personal relationships influence immune and endocrine function and health. Her more recent work has demonstrated how stress and depression can alter metabolic responses to high-fat meals.



**Howard S. Kurtzman | American Psychological Association**

Howard S. Kurtzman is the Acting Executive Director of the American Psychological Association's (APA's) Science Directorate. He was named Deputy Executive Director of the Science Directorate in 2007. The Directorate's program areas include science policy and government relations, research ethics, psychological testing and assessment, scientific awards, research training, and communication with the scientific community and general public. He previously was on the faculty at Cornell University and served as a program officer at the National Institute of Mental Health.



**William Maurer | University of California, Irvine**

William Maurer is Dean, School of Social Sciences; Professor, Anthropology, Law and Criminology, Law and Society; and Director, Institute for Money, Technology and Financial Inclusion at the University of California, Irvine. Maurer is a cultural anthropologist who conducts research on law, property, money, and finance, focusing on the technological

infrastructures and social relations of exchange and payment. He has particular expertise in emerging, alternative, and experimental forms of money and finance, payment technologies, and their legal implications. He has published on topics ranging from offshore financial services to mobile phone-enabled money transfers, Islamic finance, alternative currencies, blockchain/distributed ledger systems and their implications for money and law, and the future of money. He is the Founding Director of the Institute for Money, Technology and Financial Inclusion, funded by the Bill & Melinda Gates Foundation, and was the Founding Co-Director of the Intel Science and Technology Center in Social Computing.

**Ian McDonough** | The University of Alabama



Ian McDonough is an Assistant Professor in the Psychology Department and an Associate in the Alabama Research Institute on Aging at The University of Alabama. His research intersects fields of cognitive psychology, neuroscience, and aging. He received a B.S. in Cognitive Science and completed a specialization in Computing from the University of California, Los Angeles, in 2006. As a graduate student at the University of Chicago, he received the American Psychological Foundation/Council of Graduate Departments of Psychology Graduate Student Research Scholarship in Psychology and the American Psychological Association Dissertation Research Award. He obtained a Ph.D. in Cognitive Psychology with a minor in Computational Neuroscience in 2011 and joined the Park Aging Mind Laboratory as a postdoctoral researcher. While at The University of Alabama, McDonough received the National Institutes of Health/Office of Behavioral and Social Sciences Research Matilda White Riley Early Stage Investigator Honors for his paper investigating the neural correlates of an engagement intervention for older adults and was awarded the 2017 Charles Barkley Health Disparities Research Investigator Award on his work on preclinical Alzheimer's disease.



**Marcia McNutt (NAS)** | National Academy of Sciences

Marcia McNutt is a geophysicist and President of the National Academy of Sciences. From 2013 to 2016, she served as Editor-in-Chief of the *Science* family of journals. Prior to joining *Science*, she was Director of the U.S. Geological Survey (USGS) from 2009 to 2013. During her tenure, the USGS responded to a number of major disasters, including earthquakes in Haiti, Chile, and Japan, and the *Deepwater Horizon* oil spill. McNutt led a team of government scientists and engineers at BP headquarters in Houston who helped contain the oil and cap the well. She directed the flow rate technical group that estimated the rate of oil discharge during the spill's active phase. For her contributions, she was awarded the U.S. Coast Guard's Meritorious Service Medal.

Before joining the USGS, McNutt served as President and Chief Executive Officer of the Monterey Bay Aquarium Research Institute (MBARI), in Moss Landing, California. During her time at MBARI, the Institute became a leader in developing biological and chemical sensors for remote ocean deployment, installed the first deep-sea cabled observatory in U.S. waters, and advanced the integration of artificial intelligence into autonomous underwater vehicles for complex undersea missions.



**Lis Nielsen** | National Institute on Aging

Lis Nielsen is Chief of the Individual Behavioral Processes (IBP) Branch in the Division of Behavioral and Social Research at the National Institute on Aging (NIA) of the National Institutes of Health. This branch develops research programs with a broad scientific scope, encompassing research on behavior change and behavioral interventions, cognitive and emotional functioning, behavior genetics and sociogenomics, technology and human factors, family and interpersonal relationships, and integrative biobehavioral research on the pathways linking social and behavioral factors to health in mid-life and older age. Within the IBP Branch, Nielsen manages a portfolio of research in psychological development and integrative science, encompassing transdisciplinary research in areas of affective science, health psychology, behavior change, life-span developmental psychology,

neuroeconomics, and social neuroscience. She coordinates NIA research initiatives on subjective well-being and positive psychobiology, mid-life reversibility of risk associated with early life adversity, conscientiousness and healthy aging, and stress measurement.



**Cynthia H. Null** | National Aeronautics and Space Administration

Cynthia H. Null is Technical Fellow at the National Aeronautics and Space Administration (NASA). Before being assigned to the NASA Engineering and Safety Center as the NASA Technical Fellow for Human Factors, Null was a scientist in the Human Factors Division and Deputy Program Manager of the Space Human Factors Engineering Project. She began her career at NASA Ames in 1991 as a branch chief in the Human Factors Research Division. In 1996, she edited the *Space Human Factor Requirements Definition for the Advance Human Support Technology Program*. In 1997 while a Program Manager in the Aeronautics Enterprise, Null was part of the lead team designing the Aviation Safety Program (AvSP). She was the Ames Deputy Manager to the AvSP Office at Langley from 1997 until 1999. She was the Acting Chief of the Human Factors Research Division from spring 1998 until she returned to research in late 1999. She teaches a course in Human Center Design for Aerospace Engineers at Stanford University.



**Howard C. Nusbaum** | National Science Foundation

Howard C. Nusbaum currently serves as the Division Director for Behavioral and Cognitive Science in the Social, Behavioral, and Economic Sciences Directorate at the National Science Foundation. He is on leave from his position as a Professor at the University of Chicago in the Department of Psychology and the Committee on Computational Neuroscience. He also serves as Director of the Chicago Center for Practical Wisdom. Nusbaum completed his Ph.D. in Cognitive Psychology in 1981 at SUNY University at Buffalo and following this was a postdoctoral scholar and research scientist at Indiana University. He joined the University of Chicago faculty in 1986, served as Chair of the Committee on Cognition and Communication, Director of the Center for Computational Psychology, and was Chair of

the Department of Psychology for 13 years. His research is on the psychology, neurobiology, and comparative biology of language use; the role of sleep in learning; attention and working memory; and the neurobiology of economic decisions. He received the 2007 University of Chicago Future Faculty Mentorship Award and the 2012 Llewellyn John and Harriet Manchester Quantrell Award for Excellence in Undergraduate Teaching. He is a Fellow of the Association for Psychological Science and the Psychonomic Society and has served as Associate Editor for *Brain and Language* and *PLOS ONE*, as well as having served on the editorial board of *Heliyon*.

**Mary Ellen O'Connell** | National Academies of Sciences, Engineering, and Medicine



Mary Ellen O'Connell became the Executive Director of the Division of Behavioral and Social Sciences and Education (DBASSE) in November 2016. She brought 15 years of experience at the National Academies of Sciences, Engineering, and Medicine to the position, including serving as DBASSE's Deputy Executive Director since 2012. O'Connell has also served as the Acting Director of the DBASSE's Board on Environmental Change and Society, as Deputy Director of its Board on Behavioral, Cognitive, and Sensory Sciences and Board on Human-Systems Integration, and as a Senior Program Officer with the Board on Children, Youth, and Families. She has led studies on a wide range of topics, including an evaluation of disability and rehabilitation program outcomes; home health care; prevention of mental, emotional, and behavioral disorders; ethical considerations for research; strategies for reducing underage drinking; and an evaluation of international education programs. Before joining the National Academies, O'Connell developed and led a variety of policy and program initiatives for the Office of the Assistant Secretary for Planning and Evaluation at the U.S. Department of Health and Human Services, oversaw homelessness programs for the U.S. Department of Housing and Urban Development, and provided strategic direction for statewide homeless policies for the Massachusetts Department of Public Welfare. O'Connell received a B.A. with



distinction from Cornell University and an M.S. in Human Services Management from the Heller Graduate School for Social Policy and Management at Brandeis University.

**Anne C. Petersen (NAM) | University of Michigan**



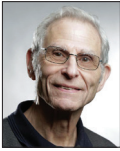
Anne Petersen is a Research Professor at the University of Michigan's Center for Human Growth & Development, and Africa Studies Center STEM initiative. She is the Founder and President of Global Philanthropy Alliance, a foundation making grants in Africa.

Petersen held administrative and faculty roles at Stanford University, the University of Minnesota, The Pennsylvania State University, and The University of Chicago. She was the Senior Vice President of Programs at the W.K. Kellogg Foundation and U.S. President-nominated/Senate-confirmed National Science Foundation Deputy Director and Chief of Operations.

Petersen has authored 15 books and over 350 articles, currently emphasizing global science policy and philanthropy, with continuing emphases on adolescence and youth development and evaluation and research methods. Her honors include election to National Academy of Medicine (NASEM: National Academies of Science, Engineering, Medicine) and Fellow in several scientific societies including the American Association for the Advancement of Science, the International Society for the Study of Behavioural Development, American Psychological Association (three divisions), and founding Fellow of Association for Psychological Science. She co-founded Society of Research on Adolescence and was President of several scientific societies. She leads the Secretariat, International Consortium of Developmental Science Societies, Chairs NASEM Policy & Global Affairs Divisional Committee, is Secretary to CRDF Global Board, serves on NSF International Committee, and is member of U.S.-Cameroon team to design improved science infrastructure for Cameroon, among other U.S. and global voluntary boards and committees.

All of Petersen's degrees are from The University of Chicago: B.A. in Mathematics, M.S. in Statistics, and a Ph.D. in Measurement, Evaluation, and Statistical Analysis.

**Michael Posner (NAS)** | University of Oregon and Weill Medical College in New York



Michael Posner is Professor Emeritus at the University of Oregon and Adjunct Professor at the Weill Medical College in New York (Sackler Institute). Posner's current work deals with genetic and experiential factors in the development of brain networks underlying attention and learning. He is currently examining how changes in white matter might contribute to improved performance. In one study conducted together with the Niell lab he is imposing a theta rhythm on cells in the anterior cingulate of the mouse and examining whether the resultant activity leads to improved myelination in pathways near the cingulate. He is also examining if epigenetic factors related to methylation might account for individual differences in this process.

**William Riley** | National Institutes of Health Office of Behavioral and Social Sciences Research



Dr. Riley was appointed NIH Associate Director for Behavioral and Social Sciences Research, and Director of the NIH Office of Behavioral and Social Sciences Research in August, 2015. Before his current NIH appointment, he served as a Health Scientist Administrator and Deputy Director in the Division of AIDS and Health Behavior Research at the National Institute of Mental Health (NIMH), a Program Director at the National Heart, Lung, and Blood Institute (NHLBI), and Chief of the Science of Research and Technology Branch (SRTB) in the Division of Cancer Control and Population Sciences (DCCPS) at the National Cancer Institute (NCI). He also has an appointment as Professorial Lecturer in the School of Public Health at George Washington University.

**Philip Rubin** | Haskins Laboratories and Yale University



Philip Rubin is the Chief Executive Officer emeritus and a former Senior Scientist at Haskins Laboratories. He is also an adjunct professor in the Department of Otolaryngology, Surgery at the Yale University School of Medicine; a Research Affiliate in the Department of Psychology at Yale; and

a Fellow at Yale's Trumbull College. His research focuses on speech synthesis and analysis and the biological, physical, and neurological foundations of language and speech and other complex behaviors. From 2012 through February 2015, Rubin was the Principal Assistant Director for Science in the Office of Science and Technology Policy in the Executive Office of the President of the United States, where he also served as Assistant Director for Social, Behavioral, and Economic Sciences; led the White House neuroscience initiative; and was a Senior Advisor on national policy. During that time period he was also a Senior Advisor in the Social, Behavioral, and Economic Sciences directorate at the National Science Foundation (NSF). He is the former Co-Chair of the National Science and Technology Council's Committee on Science with the Directors of the National Institutes of Health and NSF and Co-Chair of the inter-agency Common Rule Modernization Working Group. He is a fellow of many organizations and an elected member of the Connecticut Academy of Science and Engineering and the National Academy of Public Administration.

**Paula Skedsvold** | Federation of Associations in Behavioral & Brain Sciences



Paula Skedsvold serves as Executive Director of the Federation of Associations in Behavioral & Brain Sciences. In this capacity, she works on behalf of 20 scientific societies to promote the sciences of mind, brain, and behavior before Congress and federal agencies. Skedsvold previously served as a Science Policy Analyst for the National Institutes of Health's Office of Behavioral and Social Sciences Research and as an American Psychological Association Congressional Science Fellow under the American Association for the Advancement of Science (AAAS) program. She has staffed the Social and Behavioral Sciences Working Group of the National Human Research Protections Advisory Committee, an advisory committee of the Secretary of the U.S. Department of Health and Human Services. In addition, Skedsvold previously served as Scientist in the Public Interest for the Society for the Psychological Study of Social Issues, Director

of Education Research Policy for the American Educational Research Association, and Policy Analyst for The Council of State Governments Midwest Office. She holds a Ph.D. in Experimental Psychology from the University of South Carolina and a J.D. from Georgetown Law. She is a Fellow of the AAAS and has been an Adjunct Professor at the Georgetown University Law Center.



**Jerry Suls** | National Cancer Institute, National Institutes of Health

Jerry Suls was appointed Senior Scientist in the Behavioral Research Program. Suls's research concerns the role of social influence, cognitive, affective, and biological factors in risk and adaptation to cancer and heart disease. Recently, he has been concerned with (1) how cognitive-affective biases affect peoples' perceptions of population norms for health behaviors (e.g., diet and nutrition); (2) how anxiety and depression influence physical symptom interpretation and treatment-seeking and disease processes; (3) psychological and medical implications of multi-morbidity and the complicated patient; (4) effects of cancer treatment (e.g., chemotherapy) on cognitive impairment; and (5) the role of inflammation as a common disease pathway. An overriding theme (i.e., obsession) is how the behavioral sciences can be better integrated with medicine, the life sciences, and public health to facilitate a "full cycle approach" involving "bench to bedside and community" and "from bedside and community to bench."

Suls received his Ph.D. in Psychology from Temple University in 1973, followed by 40 years on the faculties of Georgetown University (3), the University at Albany State University of New York (15), and the University of Iowa (23), where he was Professor, Collegiate Fellow of the College of Liberal Arts and Sciences, and Affiliated member of the College of Public Health. He is a former Editor of *Personality and Social Psychology Bulletin* (1998–2001) and *Social and Personality Psychology Compass* (2006–2013). He has served on the editorial boards of the *Annals of Behavioral Medicine*, the *Journal of Behavioral Medicine*, *Health Psychology*, the *Journal of Personality and Social Psychology*, and *Health Psychology Review*. He was a member of the National

Science Foundation's (NSF's) Social Psychology Advisory Panel (1992–1995, 2008–2010) and the National Institutes of Health's (NIH's) Behavioral Medicine Interventions and Outcomes Study Section (2004–2009, including 2 years as its Chair). Suls was elected to the Executive Councils of the Society of Experimental Social Psychology and the Academy of Behavioral Medicine Research and is past Member-at-Large and President of Division 38 (Health Psychology) of the American Psychological Association (APA). He is a fellow of APA Divisions 8 and 38, the Association for Psychological Science, and the Society of Behavioral Medicine. His research has appeared in more than 150 publications and been supported by the NIH, American Heart Association, NSF, and Robert Wood Johnson Foundation. In 2012, he received the Distinguished Scientific Contributions Award from Division 38 (Health Psychology).



## BBCSS BOARD MEMBERS

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(NAM) Stanford University

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**James S. Jackson**  
(NAM) University of Michigan

**Nancy G. Kanwisher**  
(NAS) Massachusetts Institute of Technology

**Janice K. Kiecolt-Glaser**  
(NAM) The Ohio State University College of Medicine

**William M. Maurer;**  
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**John Monahan**  
(NAM) University of Virginia

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**Dana M. Small**  
Yale School of Medicine

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## COMMUNICATE AT THE EVENT

### **Engage**

In order to make this a truly interactive event, we will use Poll Everywhere to collect audience input to inform the discussions. Participants will be able to respond to questions during the event via their smart phones, laptops, or other internet-capable devices by navigating to [www.polleve.com/bbcss20](http://www.polleve.com/bbcss20).

### **Connect**

Free wireless internet access is available throughout the building. Connect to “visitor” on the list of available networks using the settings function on your laptop, tablet, or phone. After connecting the “visitor” network, open a web browser and click on the “Access the Internet” button.

### **Social Media**

Join the conversation on Twitter about the BBCSS 20<sup>th</sup> Anniversary event by using the hashtag #BBCSSat20.

### **Request**

If you need immediate assistance, please contact a National Academies staff member at the desk in the auditorium lobby.



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