

## **Speaker Biographies**

### **Dan Ariely, PhD**

Despite our intentions, why do we so often fail to act in our own best interest? Why do we promise to skip the chocolate cake, only to find ourselves drooling our way into temptation when the dessert tray rolls around? Why do we overvalue things that we've worked to put together? What are the forces that influence our behavior? Dan Ariely, James B. Duke Professor of Psychology & Behavioral Economics at Duke University, is dedicated to answering these questions and others in order to help people live more sensible – if not rational – lives. His interests span a wide range of behaviors, and his sometimes unusual experiments are consistently interesting, amusing and informative, demonstrating profound ideas that fly in the face of common wisdom.

He is a founding member of the Center for Advanced Hindsight, co-creator of the film documentary *(Dis)Honesty: The Truth About Lies*, and a three-time *New York Times* bestselling author. His books include *Predictably Irrational*, *The Upside of Irrationality*, *The Honest Truth About Dishonesty*, and *Irrationally Yours*.

In 2013 Bloomberg recognized Dan as one of Top 50 Most Influential thinkers. He also has a bi-weekly advice column in the *Wall Street Journal* called "Ask Ariely." Dan can be found at [www.danariely.com](http://www.danariely.com).

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### **Gretchen Brodnicki, JD**

Gretchen Brodnicki, JD, became Dean for Faculty and Research Integrity at Harvard Medical School in July 2008. She is responsible for overseeing a coordinated approach to research policy setting, implementation, and compliance, including responsibility for the Offices of Professional Standards and Integrity focusing on interactions between the biomedical industry and academia, Research Compliance, Research Subject Protections, and Microbiological Safety.

Prior to joining Harvard Medical School, Gretchen served as the Director of Research Compliance for Partners HealthCare System, Inc., an integrated health care delivery network in the Boston area, including four Harvard Medical School teaching hospitals -- Brigham and Women's Hospital, Massachusetts General Hospital, McLean Hospital, and Spaulding Rehabilitation Hospital. Before joining Partners, she served as the Director of Research Compliance for Beth Israel Deaconess Medical Center.

Before her work with the hospitals, she was engaged in the private practice of law in the areas of civil litigation and health care, representing clients in intellectual property disputes as well as in corporate, regulatory, and transactional matters with an emphasis on fraud prevention, practice integration, and risk management.

Ms. Brodnicki received a BS in Business Administration from Gannon University in Erie, Pennsylvania, and her JD in 1996 from Suffolk University Law School in Boston, Massachusetts.

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### **Arturo Casadevall, MD, PhD**

Arturo Casadevall, M.D., Ph.D., is Bloomberg Distinguished Professor and Chair of the W. Harry Feinstone Department of Molecular Microbiology and Immunology at the Johns Hopkins Bloomberg School of Public Health. Previously he served as Director of the Division of Infectious Diseases at Montefiore Medical Center, the University Hospital and Academic Medical Center for Albert Einstein College of Medicine, from 2000-2006 and as Chair of the Department of Microbiology and Immunology from 2006-2014. Dr. Casadevall received both his M.D. and Ph.D. (biochemistry) degrees from New York University. Subsequently, he completed his internship and residency in internal medicine at Bellevue Hospital in New York. He then completed subspecialty training in infectious diseases at Montefiore and Einstein. The author of over 650 scientific papers, numerous books and book chapters, Dr. Casadevall's major research interests are in fungal pathogenesis and the mechanisms of antibody action. In the area of biodefense, he has an active research program to understand the mechanisms of antibody-mediated neutralization of *Bacillus anthracis* toxins. In recent years Dr. Casadevall has become interested in problems with the scientific enterprise and with his collaborators has shown that misconduct accounts for the majority of retracted publications. He has suggested a variety of reforms to the way science is done. Dr. Casadevall is the editor-in-chief of *mBio*, the first open access general journal of the American Society of Microbiology, and is on the editorial board of several journals including the *Journal of Infectious Diseases* and the *Journal of Experimental Medicine*. He has also served in numerous NIH committees including those that drafted the NIAID Strategic Plan and the Blue Ribbon Panel on Biodefense Research. He served on the National Academy of Sciences panel that reviewed the science on the FBI investigation of the anthrax terror attacks of 2001. He has also served as a member of the National Science Advisory Board for Biosecurity from 2005-2014 and currently co-chairs the NIAID Board of Scientific Counselors. In 2008, he was recognized by the American Society of Microbiology with the William Hinton Award for mentoring scientists from underrepresented groups. In 2015, Dr. Casadevall was appointed a Commissioner to the National Commission on Forensic Science, the United States Department of Justice. He has been elected to AAAS Fellowship, the American Society for Clinical Investigation, the American Academy of Microbiology, the American Association of Physicians and the National Academy of Medicine (Institute of Medicine).

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### **Jeffrey Drazen, MD**

Born and raised in Clayton, Missouri, Dr. Drazen majored in applied physics at Tufts University and graduated from Harvard Medical School in 1972. Dr. Drazen currently holds the positions of senior physician at the Brigham and Women's Hospital, Distinguished Parker B. Francis Professor of Medicine at Harvard Medical School, professor of physiology at the Harvard School of Public Health and adjunct professor of medicine at the Boston University School of Medicine. He is the recipient of honorary degrees from the University of Ferrara and the University of Athens.

Dr. Drazen is an elected member of the American Society for Clinical Investigation, the Association of American Physicians and the Institute of Medicine. He serves on the Institute of Medicine's Forum on Drug Discovery, Development, and Translation.

An active researcher in the field of pulmonary medicine, Dr. Drazen defined the role of novel endogenous chemical agents in asthma. This led to four new licensed pharmaceuticals for asthma, now used in the treatment of millions of people worldwide.

He has published over 500 papers, editorials and review articles and has edited six books, including *Cecil Medicine* and *Asthma and COPD*.

In 2000, he assumed the post of editor-in-chief of the *New England Journal of Medicine*. During his tenure, the *Journal* has published major papers advancing the science of medicine, including the first descriptions of SARS, timely coverage of the Ebola epidemic, and modifications in the treatment of cancer, heart disease and lung disease, and it has been at the forefront of the worldwide effort to register all clinical trials. The *Journal*, which has over a million readers every week, has the highest impact factor of any journal publishing original research.

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### **Hany Farid, PhD**

Hany Farid received his undergraduate degree in Computer Science and Applied Mathematics from the University of Rochester in 1989. He received his Ph.D. in Computer Science from the University of Pennsylvania in 1997. Following a two year post-doctoral position in Brain and Cognitive Sciences at MIT, he joined the faculty at Dartmouth in 1999 where he is currently the Albert Bradley 1915 Third Century Professor and Chair of Computer Science. Hany is also the Chief Technology Officer and co-founder of Fourandsix Technologies, Inc., a firm dedicated to the nascent field of image forensics. He is the recipient of an NSF CAREER award, a Sloan Fellowship, and a Guggenheim Fellowship.

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### **Leonard Freedman, PhD**

Dr. Freedman is the founding President of the Global Biological Standards Institute (GBSI). He has held leadership positions in basic biomedical research, drug discovery, and science policy in both the private sector and academia. Dr. Freedman is a recognized leader in the field of nuclear hormone receptors.

Before joining GBSI, Dr. Freedman served as Vice Dean for Research and Professor of Biochemistry and Molecular Biology at Jefferson Medical College, Thomas Jefferson University. Prior to his leadership role at Jefferson, Dr. Freedman led discovery research efforts in the pharmaceutical industry as a Vice President at Wyeth and Executive Director at Merck. Before moving to industry, Dr. Freedman was a Member and Professor of Cell Biology & Genetics at Memorial Sloan-Kettering Cancer Center and Weil Cornell Medical College.

Dr. Freedman has received several research awards, including the Boyer Research Award for Biomedical Research, and a MERIT award from the NIH. He was also the 2002 recipient of the Ernst Oppenheimer Award from The Endocrine Society. Dr. Freedman has published extensively and served on numerous scientific review panels and editorial boards. He was an editor of *Molecular and Cellular Biology* for ten years. In addition, Dr. Freedman has served on the Board of Directors of the American Type Culture Collection (ATCC).

Dr. Freedman earned a B.A. degree in Biology from Kalamazoo College, and a Ph.D. in Molecular Genetics from the University of Rochester. He completed his post-doctoral

fellowship in the laboratory of Dr. Keith Yamamoto at the University of California, San Francisco.

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### **Kathleen Hall Jamieson, PhD**

Kathleen Hall Jamieson is the Elizabeth Ware Packard Professor of Communication at the Annenberg School for Communication and Walter and Leonore Annenberg Director of the Annenberg Public Policy Center at the University of Pennsylvania. A Fellow of the American Academy of Arts and Sciences, the American Philosophical Society, the American Academy of Political and Social Science and the International Communication Association, Jamieson is the author or co-author of 16 books including: *Presidents Creating the Presidency* (University of Chicago Press, 2008), *Echo Chamber: Rush Limbaugh and the Conservative Media Establishment* (Oxford, 2008) and *unSpun: Finding Facts in a World of Disinformation* (Random House, 2007). Written with Kate Kenski and Bruce Hardy, Jamieson's *The Obama Victory* (Oxford, 2010) was the winner of an American Publishers Award for Professional and Scholarly Excellence (PROSE Award) in government and politics and the International Communication Association's outstanding book award. Jamieson has won teaching awards at each of the three universities at which she has taught and political science or communication awards for five of her books. She is co-founder of FactCheck.org, which researches the veracity of claims made by political players. Its SciCheck feature was launched in 2015 to expose the misuse of scientific evidence in political discourse.

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### **Blair Jenkins**

Blair Jenkins is a 6<sup>th</sup> year MD/PhD student at Columbia University. She earned a Bachelor of Science degree in Neuroscience from Yale University in 2009. After teaching middle school science for two years in New York City and earning an education-focused Master's degree from Fordham University, she matriculated into the Medical Scientist Training Program at Columbia. She currently works in the laboratory of Dr. Ellen Lumpkin in the Departments of Dermatology and of Physiology and Cellular Biophysics. Her research focuses on the sense of touch and elucidating the cellular and molecular mechanisms that underlie somatosensory system development. Outside of the lab, she is a participant in education volunteer programs, including the organization Columbia University Neuroscience Outreach (CUNO), which aims to expose students of all ages in New York City to neuroscience research at Columbia.

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### **Thomas M. Jessell, PhD**

Dr. Jessell is the Claire Tow Professor in the Departments of Neuroscience and Biochemistry and Molecular Biophysics at Columbia University. He is an Investigator of the Howard Hughes Medical Institute, a co-director of the Mortimer B. Zuckerman Mind Brain Behavior Institute, co-director of the Kavli Institute for Brain Science, and a co-editor of the textbook "Principles of Neural Science." Dr. Jessell's research examines the cellular circuits and molecular mechanisms that control the function of spinal motor systems. His work has defined how diverse neuronal classes form sensory motor connections, how neuronal identity directs the formation of interneuron circuits and how the precision of network wiring refines motor skills. He is a Fellow of the Royal Society of London and a Foreign Associate of the National Academy of Science. He has received several other honors, including the Kavli Prize in Neuroscience, the Gairdner Foundation award, the Vilcek Prize in Biomedical Science and the Gruber Foundation Neuroscience Prize.

## Nicholas Lemann

Nicholas Lemann was born, raised and educated in New Orleans. He began his journalism career as a 17-year-old writer for an alternative weekly newspaper there, the *Vieux Carre Courier*. He graduated magna cum laude from Harvard College in 1976, where he concentrated in American history and literature and was president of the Harvard Crimson. After graduation, he worked at the *Washington Monthly*, as an associate editor and then managing editor; at *Texas Monthly*, as an associate editor and then executive editor; at *The Washington Post*, as a member of the national staff; at *The Atlantic Monthly*, as national correspondent, for sixteen years; and, since 1999, at *The New Yorker*, as Washington correspondent and as a staff writer.

On September 1, 2003, he became dean of the Graduate School of Journalism at Columbia University. He stepped down as dean in 2013, following two five-year terms, and is now Pulitzer-Moore Professor of Journalism at Columbia. He also directs Columbia Global Reports, which publishes six book-length works of journalism a year on aspects of globalization.

Lemann is a frequent contributor to *The New Yorker*. He has published five books, most recently "Redemption: The Last Battle of the Civil War" (2006); "The Big Test: The Secret History of the American Meritocracy" (1999), which helped lead to a major reform of the SAT; and "The Promised Land: The Great Black Migration and How It Changed America" (1991), which won several book prizes. He has written widely for such publications as *The New York Times*, *The New York Review of Books*, *The New Republic*, and *Slate*; worked in documentary television with *Blackside, Inc.*, "FRONTLINE," the Discovery Channel, and the BBC; and lectured at many universities.

Lemann has served on the boards of the Authors Guild, the National Academy of Sciences' Division of Behavioral and Social Sciences and Education, the Academy of Political Science, the Society of American Historians, the Reuters Founders Share Trust Company, the University of Michigan School of Education, and the Russell Sage Foundation, and is a member of the New York Institute for the Humanities. He was elected a fellow of the American Academy of Arts and Sciences in April 2010.

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## Marcia McNutt, PhD

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 institution 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.

McNutt began her academic career at the Massachusetts Institute of Technology (MIT), where she was the E.A. Griswold Professor of Geophysics and directed the Joint Program in Oceanography/Applied Ocean Science & Engineering, jointly offered by MIT and the Woods Hole Oceanographic Institution. Her research area is the dynamics of the upper mantle and lithosphere on geologic time scales, work that has taken her to distant continents and oceans for field observations. She is a veteran of more than a dozen deep-sea expeditions, on most of which she was chief or co-chief scientist.

McNutt received a B.A. in physics from Colorado College and her Ph.D. in earth sciences at the Scripps Institution of Oceanography. Her honors include membership in the American Philosophical Society and the American Academy of Arts and Sciences. She holds honorary doctoral degrees from the Colorado College, the University of Minnesota, Monmouth University, and the Colorado School of Mines. In 1988, she was awarded the American Geophysical Union's Macelwane Medal for research accomplishments by a young scientist, and she received the Maurice Ewing Medal in 2007 for her contributions to deep-sea exploration.

McNutt served as president of the American Geophysical Union (AGU) from 2000 to 2002. She was chair of the Board of Governors for Joint Oceanographic Institutions, responsible for operating the International Ocean Discovery Program's vessel JOIDES Resolution and associated research programs. She is a fellow of AGU, the Geological Society of America, American Association for the Advancement of Science, and International Association of Geodesy.

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### **Ushma Neill, PhD**

Ushma S. Neill is the Vice President, Scientific Education and Training at Memorial Sloan Kettering Cancer Center and Editor at Large for *Journal of Clinical Investigation* and Editorial Consultant for *Molecular Metabolism*. She obtained her PhD in biomedical engineering from Northwestern University studying pulmonary mechanics and used a Marshall Scholarship to do a postdoctoral fellowship at Imperial College to study vascular permeability. After 2 years as an editor at *Nature Medicine*, she joined the *Journal of Clinical Investigation* in 2003 as Executive Editor. After 9 years as Executive Editor, in May 2012, Ushma became Director of the Office of the President at Memorial Sloan Kettering, serving as the Chief Of Staff to President & CEO Craig Thompson. In February 2016, Ushma took on the educational mission of Memorial Sloan Kettering as VP, Scientific Education and Training. She has retained the position of Editor-at-Large for the *JCI*, and also serves as the Chief Editorial Consultant to the newly launched journal, *Molecular Metabolism*.

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### **Kathryn Partin, PhD**

Dr. Partin is the director of the HHS Office of Research Integrity (ORI). She earned her undergraduate degree in history from the University of Michigan, and her doctorate in microbiology from the State University of New York at Stony Brook. She completed postdoctoral training at Duke University studying pathophysiology of HIV and the NIH National

Institute of Child Health studying neurophysiology. Following her training, Dr. Partin joined the faculty of the Department of Biomedical Sciences at Colorado State University where she performed NIH-funded basic research on ionotropic glutamate receptor structure and function for nearly twenty years. In 2007, she was appointed to the position of Director of the Research Integrity & Compliance Review Office, overseeing IRB, IBC, IACUC, GxP research and the Responsible Conduct of Research program at CSU. She served as the Assistant to the Research Integrity Officer until 2013, when she was appointed as the CSU RIO and Vice President for Research, overseeing Laboratory Animal Resources and Export Control. Dr. Partin has taught RCR to undergraduate students, graduate students, postdoctoral fellows and faculty for many years, and has been active in the Association for Practical and Professional Ethics and the Association of Research Integrity Officers.

Bio credit: <http://ori.hhs.gov/meet-directors>

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### **Muredach Reilly, MB, MS**

Dr. Reilly is the Florence and Herbert Irving Endowed Professor of Medicine and a cardiologist, was recently recruited to lead Columbia's Irving Institute for Clinical and Translational Research into a new era of genomics and precision medicine in biomedical research and personalized healthcare. His research program is dedicated to translational and genomic studies of human atherosclerosis and heart disease as well as inflammatory mechanisms in cardio-metabolic disease, emphasizing humans as the ideal model to understand mechanisms of and therapeutic opportunities for human disease and prevention. Clinically, Dr. Reilly is an expert in preventive cardiology seeing patients with lipid disorders and premature atherosclerosis. Through his leadership role in clinical and translational research and precision medicine, he brings both an individual perspective and institutional and national context to historical and contemporary issues in research integrity and data reproducibility.

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### **Londa Schiebinger, PhD**

Londa Schiebinger is the John L. Hinds Professor of History of Science at Stanford University. She currently directs the EU/US Gendered Innovations in Science, Health & Medicine, Engineering, and Environment project. She is a leading international expert on gender in science and technology. She is a member of the American Academy of Arts and Sciences. Schiebinger addressed the United Nations on the topic of "Gender, Science, and Technology" in 2011 and again in 2014. She is the recipient of numerous prizes and awards, including the prestigious Alexander von Humboldt Research Prize and Guggenheim Fellowship. Her work on Gendered Innovations ([genderedinnovations.stanford.edu](http://genderedinnovations.stanford.edu)) harness the creative power of sex and gender analysis to enhance excellence and reproducibility in science and technology.

Her prize-winning books include: *The Mind Has No Sex? Women in the Origins of Modern Science* (Harvard University Press, 1989); *Nature's Body: Gender in the Making of Modern Science* (Beacon Press, 1993; Rutgers University Press, 2004); *Has Feminism Changed Science?* (Harvard University Press, 1999); *Plants and Empire: Colonial Bioprospecting in the Atlantic World* (Harvard University Press, 2004); *Gendered Innovations: How Gender Analysis Contributes to Research* (European Commission, 2013); with Robert N. Proctor, *Agnology: The Making and Unmaking of Ignorance* (Stanford University Press, 2008). She is also author of *Dual Career Couples: What Universities Need to Know* (with Andrea Davies and Shannon Gilmartin). These and other of her books have been translated into numerous languages.

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## **Victoria Stodden, PhD**

Victoria is an associate professor in the School of Information Sciences at the University of Illinois at Urbana-Champaign, with affiliate appointments in the School of Law, the Department of Computer Science, the Department of Statistics, the Coordinated Science Laboratory, and the National Center for SuperComputing Applications. She completed both her PhD in statistics and her law degree at Stanford University.

Victoria is an affiliate scholar with the Center for Internet and Society at Stanford Law School. She is also a faculty affiliate of the Meta-Research Innovation Center at Stanford (METRICS).

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## **Anne L. Taylor, MD**

Anne L. Taylor, M.D., is currently Senior Vice President for Faculty Affairs and Career Development and John Lindenbaum Professor of Medicine at the Columbia University Medical Center, and Vice Dean for Academic Affairs at Columbia University's College of Physicians and Surgeons. She received her medical degree from the University of Chicago's Pritzker School of Medicine and completed her clinical and research training at the University of Chicago, John Hopkins Hospital and the University of Iowa. She has held faculty positions at the University of Texas, Southwestern Medical Center in Dallas, at Case Western Reserve University where she was Chief of Cardiology at the Cleveland Veterans Affairs Medical Center, the University of Minnesota Medical School where she was Associate Dean for Faculty Affairs and co-directed the Deborah E. Powell National Center of Excellence in Women's Health. She joined the faculty at Columbia University in November 2007.

Dr. Taylor's interests include cardiovascular disease in African-Americans and women. She was Chair of the Steering Committee for the African-American Heart Failure Trial, a trial of nitric oxide enhancing therapy in congestive heart failure and a member of the steering committee for the Genomic Analysis of Enhanced Response to Heart Failure Therapy in African Americans trial.