



## American Academy of Arts and Sciences

### 2012 FELLOWS AND THEIR AFFILIATIONS AT THE TIME OF ELECTION

**Arvind**, Charles W. and Jennifer C. Johnson Professor of Computer Science & Engineering, Massachusetts Institute of Technology

**Aeppli, Gabriel**, Director, London Centre for Nanotechnology; Quain Professor of Physics; Honorary Professor of Medicine, University College London

**Alder, Kenneth Ludwig**, Professor of History; Milton H. Wilson Professor in the Humanities, Northwestern University

**Andrei, Eva**, Professor of Physics, Rutgers University

**Arvin, Ann Margaret**, Vice Provost and Dean of Research; Lucile Salter Packard Professor of Pediatrics (Infectious Diseases); Professor of Microbiology and Immunology, Stanford University

**Autor, David**, Professor of Economics, Massachusetts Institute of Technology

**Baron, Martin**, Editor, *The Boston Globe*

**Barres, Ben A.**, Professor of Neurobiology, Stanford School of Medicine

**Bass, George F.**, Distinguished Professor Emeritus in Nautical Archaeology; Founder, Institute of Nautical Archaeology, Texas A&M University

**Bawa, Kamaljit Singh**, Founder and President, Ashoka Trust; Distinguished Professor of Biology, University of Massachusetts

**Belcher, Angela M.**, Germeshausen Professor of Materials Science and Engineering and Biological Engineering, Massachusetts Institute of Technology

**Benfey, Christopher**, Andrew W. Mellon Professor of English, Mount Holyoke College

**Bergdoll, Barry**, Chief Curator of Architecture and Design, Museum of Modern Art

**Berger, Bonnie**, Professor of Applied Math and Computer Science, Massachusetts Institute of Technology

**Berger, James M.**, Professor of Biochemistry, Biophysics and Structural Biology, University of California, Berkeley

**Bertrand, Marianne**, Chris P. Dialynas Professor of Economics; Richard N. Rosett Faculty Fellow, University of Chicago Booth School of Business

**Bezos, Jeffrey Preston**, Founder, President and Chairman of the Board, Amazon.com

**Birkerts, Sven**, Essayist; Literary Critic; Director, Bennington Writing Seminars, Bennington College

**Birman, Joan Sylvia Lyttle**, Research Professor; Professor Emerita of Mathematics, Barnard College, Columbia University

**Blackwell, Meredith May**, Boyd Professor of Biological Sciences, Louisiana State University

**Blight, David William**, Class of 1954 Professor of American History; Director, Gilder Lehrman Center for the Study of Slavery, Resistance, and Abolition, Yale University

**Boeke, Jef D.**, Founder and Director, HiT Center; Professor of Molecular Biology and Genetics; Professor of Oncology, Johns Hopkins University School of Medicine

**Boghossian, Paul**, Silver Professor of Philosophy, New York University

**Boone, Elizabeth Hill**, Martha and Donald Robertson Chair in Latin American Art; Professor, History of Art, Tulane University

**Bratman, Michael E.**, Durfee Professor in the School of Humanities and Sciences; Professor of Philosophy, Stanford University

**Bredesen, Jr., Philip Norman**, Former Governor of Tennessee, Nashville, Tennessee

**Brooks, Mel**, Writer, Director, Actor, Producer, Brooksfilm, Culver City, California

**Brown, Emery Neal**, Warren M. Zapol Professor of Anaesthesia, Harvard Medical School and Massachusetts General Hospital; Professor of Computational Neuroscience and Professor of Health Sciences & Technology, Massachusetts Institute of Technology

**Brown, James Allison**, Professor of Anthropology, Northwestern University

**Bruzelius, Caroline A.**, Anne Cogan Professor of Art History, Duke University

**Bucksbaum, Philip Howard**, Marguerite Blake Wilbur Professor of Natural Science; Director, Stanford PULSE Institute for Ultrafast Energy Science; Chair of the Stanford Photon Physics Faculty at SLAC, Professor of Physics; Professor of Applied Physics, Stanford University

**Burgess, John P.**, John N. Woodhull Professor of Philosophy, Princeton University

**Burns, R. Nicholas**, Sultan of Oman Professor of the Practice of Diplomacy and International Politics; Director, Future of Diplomacy Project; Member, Board of Directors, Belfer Center for Science and International Affairs, Harvard Kennedy School

**Caflich, Russel E.**, Professor of Mathematics; Director, Institute for Pure and Applied Mathematics, University of California, Los Angeles

**Callaway, Edward Matthew**, Professor, Systems Neurobiology Laboratories, Salk Institute for Biological Studies

**Carey, John M.**, John Wentworth Professor in the Social Sciences, Dartmouth College

**Carlson, John**, Higgins Professor of Molecular, Cellular, and Developmental Biology, Yale University

**Carmines, Edward G.**, Warner O. Chapman Professor of Political Science; Rudy Professor, Indiana University

**Carneiro, Robert Leonard**, Curator Emeritus of Ethnology; Curator Emeritus of South American Indians, American Museum of Natural History

**Cashman, Katharine Venable**, Philip H. Knight Distinguished Professor of Geological Sciences, University of Oregon

**Clinton, Hillary Rodham**, U.S. Secretary of State, U.S. Department of State

**Cohen, Lizabeth**, Dean, Radcliffe Institute for Advanced Study; Howard Mumford Jones Professor of American Studies, Harvard University

**Cohon, Jared Leigh**, President, Carnegie Mellon University

**Collins, James Joseph**, Howard Hughes Medical Institute Investigator; Professor of Biomedical Engineering, Boston University

**Colwell, Robert P.**, President, R&E Colwell and Associates, Incorporated

**Corey, Lawrence**, President and Director, Fred Hutchinson Cancer Research Center; Professor of Medicine and Laboratory Medicine, University of Washington

**Curran, Thomas**, Deputy Scientific Director; Professor of Pathology and Laboratory Medicine, University of Pennsylvania Perelman School of Medicine

**Dayan, Colin**, Robert Penn Warren Professor in the Humanities, Vanderbilt University

**Diamond, Shari Seidman**, Howard J. Trienens Professor of Law; Professor of Psychology, Northwestern University School of Law

**Diener, Edward Francis**, Senior Scientist, Gallup; Joseph R. Smiley Distinguished Professor of Psychology, Emeritus, University of Illinois at Urbana-Champaign

**Druckman, James N.**, Payson S. Wild Professor of Political Science; Faculty Fellow, Institute for Policy Research, Northwestern University

**Druker, Brian Jay**, Howard Hughes Medical Institute Investigator; Director, Oregon Health and Science University

**Dzau, Victor J.**, Chancellor for Health Affairs, President and Chief Executive Officer, Duke University Health System; James B. Duke Professor of Medicine, Duke University

**Eagly, Alice Hendrickson**, James Padilla Chair of Arts and Sciences; Professor of Psychology, Northwestern University

**Eastwood, Jr., Clinton**, Actor, Director, Producer, Beverly Hills, California

**Elgin, Sarah Carlisle Roberts**, Howard Hughes Medical Institute Professor; Viktor Hamburger Professor of Arts and Sciences; Professor of Biology, Washington University in St. Louis School of Medicine

**Engelstein, Laura**, Henry S. McNeil Professor of Russian History, Yale University

**Feldman, Martha**, Mabel Greene Myers Professor of Music and the Humanities, University of Chicago

**Ferro-Novick, Susan**, Howard Hughes Medical Institute Investigator; Professor of Cellular and Molecular Medicine, University of California, San Diego School of Medicine

**Fettiplace, Robert**, Steenbock Professor of Neural & Behavioral Sciences, University of Wisconsin-Madison

**Finkelstein, Amy**, Professor of Economics, Massachusetts Institute of Technology

**Fins, Joseph J.**, E. Williams Davis, M.D. Jr. Professor of Medical Ethics; Chief of Division of Medical Ethics; Professor of Medicine; Professor of Public Health; Professor of Medicine in Psychiatry, Weill Cornell Medical College

**Fischer, Debra Ann**, Professor of Astronomy, Yale University

**Frank, Steven A.**, Professor of Ecology and Evolutionary Biology, University of California, Irvine

**Frazier, Kenneth**, Chairman of the Board, President, and Chief Executive Officer, Merck & Company, Inc.

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**Gerber, Elisabeth R.**, Professor of Public Policy, Gerald R. Ford School of Public Policy, University of Michigan

**Giles, Robert Hartmann**, Commentary Editor, GlobalPost, Boston, Massachusetts

**Gilovich, Thomas D.**, Professor of Psychology, Cornell University

**Goto, Midori**, Violinist; USC Distinguished Professor of the Strings Department, USC Thornton School of Music; Jascha Heifetz Chair in Violin, University of Southern California

**Greenhouse, Carol**, Professor of Anthropology, Princeton University

**Greif, Irene**, IBM Fellow; Director, Collaborative User Experience, IBM Thomas J. Watson Research Center

**Griffin, Robert Guy**, Professor of Chemistry; Director, Francis Bitter National Magnet Laboratory, Massachusetts Institute of Technology

**Hammes-Schiffer, Sharon**, Eberly Professor of Biotechnology; Professor of Chemistry, Pennsylvania State University

**Hauser, Rita Eleanor**, President, Hauser Foundation

**Hieter, Philip Andrew**, Professor of Medical Genetics, University of British Columbia

**Hurtado, Ana Magdalena**, Professor, School of Human Evolution and Social Change; Director, Indigenous Health Sciences and Human Rights Group; Director, Global Health Program, Arizona State University

**Hutchings, Vincent Lamont**, Professor of Political Science; Research Professor, Center for Political Studies, University of Michigan

**Iger, Robert A.**, Chairman and Chief Executive Officer, Walt Disney Company

**Jacks, Tyler E.**, Howard Hughes Medical Institute Investigator; Director, David Koch Institute for Integrative Cancer Research; Professor of Biology, Massachusetts Institute of Technology

**Johnston, Mark**, Professor of Biochemistry and Molecular Genetics, University of Colorado, Denver

**Joyce, Gerald Francis**, Professor of Chemistry and Molecular Biology, Scripps Research Institute

**Kaashoek, M. Frans**, Charles Piper Professor, Department of Electrical Engineering and Computer Science; Associate Director, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology

**Kahn, Steven Michael**, Cassius Lamb Kirk Professor of Physics, Stanford University

**Kahne, Daniel**, Professor of Chemistry and Chemical Biology; Professor of Biological Chemistry and Molecular Pharmacology, Harvard University

**Kalai, Ehud**, James J. O'Connor Distinguished Professor of Decision and Game Sciences; Director, Center for Strategic Decision Making, Northwestern University

**Kearns, Michael**, Professor and National Center Chair in Resource Management and Technology, University of Pennsylvania

**Kelly, Edmund Francis**, Chairman, Liberty Mutual Holding Company, Inc.

**Kent, Dennis V.**, Board of Governors Professor of Geological Sciences, Rutgers University

**Kim, Stuart K.**, Professor of Developmental Biology and Genetics, Stanford School of Medicine

**Kitayama, Shinobu**, Professor of Psychology; Director of the Culture and Cognition Program, University of Michigan

**Klebanov, Igor R.**, Professor of Physics, Princeton University

**Koblik, Steven S.**, President, Huntington Library, Art Collections, and Botanical Gardens

**Koretzky, Gary A.**, Vice Chair for Research and Chief Scientific Officer, Department of Medicine; Francis C. Wood Professor, University of Pennsylvania Perelman School of Medicine

**Kovner, Bruce**, Chairman, Caxton Associates

**Kramer, Edward J.**, Professor of Materials Science, University of California, Santa Barbara

**Kuroda, Mitzi Irene**, Professor of Genetics and Medicine, Harvard Medical School

**Lake, James A.**, Distinguished Professor of Molecular, Cell and Developmental Biology and Human Genetics, University of California, Los Angeles

**Levine, Herbert**, Professor of Physics; Co-Director, Center for Theoretical Biological Physics, University of California, San Diego

**Levinson, Daryl**, David Boies Professor of Law, New York University School of Law

**Levy, Reynold**, President, Lincoln Center for the Performing Arts

**Lewis, Jennifer A.**, Hans Thurnauer Professor of Materials Science and Engineering; Willett Faculty Scholar; Director, F. Seitz Materials Research Laboratory, University of Illinois at Urbana-Champaign

**Lifton, Richard P.**, Sterling Professor of Genetics, Yale University

**Liggett, Thomas Milton**, Professor Emeritus of Mathematics, University of California, Los Angeles

**Lincoln, Bruce**, Caroline E. Haskell Professor of the History of Religions, University of Chicago Divinity School

**Loeb, Abraham**, Professor of Astronomy; Director, Institute for Theory and Computation, Harvard University

**Losos, Jonathan B.**, Monique and Philip Lehner Professor for the Study of Latin America; Professor of Organismic and Evolutionary Biology; Curator, Herpetology, Museum of Comparative Zoology, Harvard University

**Luo, Liqun**, Howard Hughes Medical Institute Investigator; Professor by Courtesy of Neurobiology; Professor of Biology, Stanford School of Medicine

**MacMillan, David W.C.**, James S. McDonnell Distinguished University Professor of Chemistry, Princeton University

**Mahoney, Maureen E.**, Of Counsel, Latham & Watkins, LLP

**Mailath, George J.**, Walter H. Annenberg Professor in the Social Sciences; Professor of Economics, University of Pennsylvania

**Malick, Terrence**, Film Producer, Director, and Writer, Austin, Texas

**Mallon, Thomas**, Writer; Director of Creative Writing, Columbian College of Arts and Sciences, George Washington University

**Martin, Carolyn A.**, President, Amherst College

**Marx, Anthony W.**, President, New York Public Library

**Mathis, Diane J.**, Professor of Microbiology and Immunology, Harvard Medical School

**McCartney, Kathleen**, Dean, Faculty of Education; Gerald S. Lesser Professor in Early Childhood Development, Harvard Graduate School of Education

**McCormick, Michael**, Francis Goelet Professor of Medieval History, Harvard University

**McFall-Ngai, Margaret J.**, Professor of Medical Microbiology and Immunology, University of Wisconsin-Madison

**McRobbie, Michael A.**, President, Indiana University

**Mendelsohn, Daniel**, Author and Critic; Charles Ranlett Flint Professor of Humanities, Bard College

**Mendes-Flohr, Paul**, Professor of Modern Jewish Thought, University of Chicago Divinity School

**Meyer, Jack R.**, Senior Managing Partner, Convexity Capital Management, L.P.

**Moffitt, Robert A.**, Krieger-Eisenhower Professor of Economics, Johns Hopkins University

**Ngô, Bao Châu**, Frances and Rose Yuen Distinguished Service Professor of Mathematics, University of Chicago

**North, Michael A.**, Professor of English, University of California, Los Angeles

**Olson, Gregory B.**, Walter P. Murphy Professor of Materials Science and Engineering, Northwestern University

**O'Shea, John Michael**, Professor of Anthropology; Curator of Great Lakes Archaeology, Museum of Anthropology, University of Michigan

**Oxtoby, David W.**, President; Professor of Chemistry, Pomona College

**Panagiotopoulos, Athanassios Z.**, Susan Dod Brown Professor of Chemical Engineering, Princeton University

**Pearl, Judea**, Emeritus Professor of Computer Science, University of California, Los Angeles

**Phelps, Elizabeth A.**, Professor of Psychology, New York University

**Pinkney, Jerry**, Artist and Illustrator, Jerry Pinkney Studio, Croton-on-Hudson, New York

**Poonen, Bjorn Mikhail**, Claude Shannon Professor of Mathematics, Massachusetts Institute of Technology

**Porter, Jean**, Reverend John A. O'Brien Professor of Theology, University of Notre Dame

**Previn, Andre George**, Pianist, Conductor, Composer, New York, New York

**Pritzker, Penny S.**, Founder, Chairman and Chief Executive Officer, PSP Capital Partners and Pritzker Realty Group

**Reinberg, Danny F.**, Howard Hughes Medical Institute Investigator; Professor of Biochemistry, New York University School of Medicine

**Roach, Joseph**, Director, Theater Studies; Sterling Professor of Theater and English, Yale University

**Robinson, James A.**, David Florence Professor of Government, Harvard University

**Rodgers, Griffin Platt**, Director, National Institute of Diabetes and Digestive and Kidney Disease, National Institutes of Health

**Rodríguez-Iturbe, Ignacio J.**, James S. McDonnell Distinguished University Professor; Professor of Civil & Environmental Engineering, Princeton University

**Rose, Daniel**, Chairman, Rose Associates, Inc., New York, New York

**Rose, Joanna Semel**, Philanthropist and Board Member, New York, New York

**Roskies, David G.**, Sol and Evelyn Henkind Professor of Yiddish Literature and Culture; Professor of Jewish Literature, Jewish Theological Seminary

**Ross, Alex**, Music Critic, *New Yorker*

**Ruckenstein, Eli**, Distinguished Professor of Chemical Engineering, University at Buffalo, State University of New York

**Ruiz, Vicki L.**, Dean, School of Humanities; Professor of History and Chicano/Latino Studies, University of California, Irvine

**Sadoulet, Bernard**, Professor of Physics, University of California, Berkeley

**Sanders, Scott Russell**, Novelist; Essayist; Distinguished Professor of English, Emeritus, Indiana University

**Scadden, David T.**, Chief, Centers for Hematological Malignancies; Co-chair, Department of Stem Cell and Regenerative Biology, Harvard Stem Cell Institute, Harvard Medical School and Massachusetts General Hospital

**Schuchard, W. Ronald**, Goodrich C. White Professor of English, Emory University

**Schudson, Michael**, Professor of Journalism, Columbia University

**Schulman, Brenda A.**, Howard Hughes Medical Institute Investigator; Member, St. Jude Children's Research Hospital

**Segal, Jeffrey A.**, SUNY Distinguished Professor of Political Science, Stony Brook University

**Seyfarth, Robert M.**, Professor of Psychology, University of Pennsylvania

**Siegelbaum, Steven A.**, Howard Hughes Medical Institute Investigator; Professor of Neuroscience and Pharmacology, Columbia University

**Simon, M. Neil**, Playwright and Screenwriter, New York, New York

**Simpson, Larry**, Professor of Microbiology, Immunology, and Molecular Genetics, University of California, Los Angeles Geffen School of Medicine

**Smith, Kiki**, Artist, New York, New York

**Spergel, David Nathaniel**, Charles A. Young Professor of Astronomy; Professor of Astrophysical Sciences, Princeton University

**Stallings, Alicia Elsbeth**, Poet, Athens, Greece

**Stanton, Maureen L.**, Professor of Evolution and Ecology, University of California, Davis

**Stephanopoulos, George**, Arthur D. Little Professor of Chemical Engineering, Massachusetts Institute of Technology

**Stern, Gerald**, Distinguished Poet-in-Residence, MFA Program in Poetry, Caspersen School of Graduate Studies, Drew University

**Stern, Steve Jefferey**, Vice Provost for Faculty and Staff; Alberto Flores Galindo Professor of History, University of Wisconsin-Madison

**Stoddart, J. Fraser**, Board of Trustees Professor of Chemistry, Northwestern University

**Strogatz, Steven H.**, Jacob Gould Schurmann Professor of Applied Mathematics, Cornell University

**Stump, Eleonore**, Robert J. Henle Professor of Philosophy, Saint Louis University

**Sylla, Richard E.**, Henry Kaufman Professor of the History of Financial Institutions and Markets; Professor of Economics, New York University Leonard N. Stern School of Business

**Taylor, Richard Lawrence**, Professor, School of Mathematics, Institute for Advanced Study

**Templeton, Alan Robert**, Charles Rebstock Professor of Biology, Washington University in St. Louis

**Thomas, Augusta Read**, Composer; University Professor of Composition, University of Chicago

**Tisch, James S.**, President and Chief Executive Officer, Loews Corporation

**Trachtenberg, Marvin**, Edith Kitzmiller Professor of Fine Arts, New York University

**Trope, Yacov**, Professor of Psychology, New York University

**Turrigiano, Gina G.**, Professor of Biology, Brandeis University

**Ullman, Jeffrey David**, Stanford W. Ascherman Professor of Computer Science, Emeritus, Stanford University

**Vaida, Veronica**, Professor of Chemistry and Biochemistry; CIRES Fellow, University of Colorado, Boulder

**Van Zanten, David Theodore**, Mary Jane Crowe Professor in Art and Art History, Northwestern University

**Vermeule, Adrian**, John H. Watson, Jr. Professor of Law, Harvard Law School

**von Stade, Frederica**, Mezzo-Soprano, Alameda, California

**Walder, Andrew G.**, Denise O'Leary and Kent Thiry Professor of Sociology; Senior Fellow, Freeman Spogli Institute for International Studies, Stanford University

**Walker, Kara**, Artist; Professor of Visual Arts, Columbia University

**Ward, William R.**, Institute Scientist, Department of Space Studies, Southwest Research Institute

**Weill, Sanford I.**, Founder and Chairman, National Academy Foundation

**Weisbach, David A.**, Walter J. Blum Professor of Law, University of Chicago Law School

**Wellman, Henry M.**, Harold W. Stevenson Collegiate Professor of Psychology, University of Michigan

**Welters, Anthony**, Executive Vice President, UnitedHealth Group

**Werren, John Haynes**, Professor of Biology, University of Rochester

**Whittington, Keith E.**, William Nelson Cromwell Professor of Politics, Princeton University

**Wilkins, David Brian**, Lester Kissel Professor of Law; Director, Program on the Legal Profession, Harvard Law School

**Wilson III, Ernest J.**, Dean, Annenberg School for Communication and Journalism; Walter Annenberg Chair in Communication, University of Southern California

**Wilson, Matthew A.**, Sherman Fairchild Professor of Neuroscience, Massachusetts Institute of Technology

**Wineapple, Brenda**, Writer, New York, New York

**Woodruff, Judy**, Senior Correspondent, PBS *NewsHour*

**Wright, Crispin James Garth**, Professor of Philosophy, New York University

**Yablo, Stephen**, Professor of Philosophy, Massachusetts Institute of Technology

**Yablonovitch, Eli**, Professor of Electrical Engineering, University of California, Berkeley

**Yang, Peidong**, Professor of Chemistry, Materials Science, and Engineering, University of California, Berkeley

**Young, A. Peter**, Distinguished Professor of Physics, University of California, Santa Cruz

**Zamolodchikov, Alexander B.**, Board of Governors Professor of Physics, Rutgers University

**Zingales, Luigi G.**, Robert C. McCormack Professor of Entrepreneurship and Finance, University of Chicago Booth School of Business

**FOREIGN HONORARY MEMBERS AND THEIR AFFILIATIONS  
AT THE TIME OF ELECTION**

**Boutet de Monvel, Louis**, Professor of Mathematics, Université Pierre et Marie Curie

**Clevers, Johannes Carolus**, Professor in Molecular Genetics; Director, Hubrecht Institute, University of Utrecht

**Descola, Philippe**, Professor of Anthropology, Collège de France

**Hare, David**, Playwright, Film and Theater Director, London, United Kingdom

**Kentridge, William**, Visual Artist; Filmmaker; Opera Director, Johannesburg, South Africa

**McCartney, Paul**, Singer, Songwriter, and Musician, London, United Kingdom

**Parrinello, Michele**, Professor in Computational Science, Eidgenössische Technische Hochschule Zürich

**Pendry, John Brian**, Chair in Theoretical Solid State Physics, Condensed Matter Theory Group, Department of Physics, Imperial College London

**Rawson, Jessica**, Professor of Chinese Art and Archaeology, University of Oxford

**Recanati, François**, Research Fellow; Director, Centre National de la Recherche Scientifique/ Institut Jean Nicod

**Ridley, 5<sup>th</sup> Viscount Ridley, Matthew White**, Journalist and Author, Newcastle upon Tyne, United Kingdom

**Saariaho, Kaija**, Composer, Paris, France

**Schluter, Dolph**, Professor and Tier 1 Canada Research Chair of Zoology, University of British Columbia

**Schwarz, Helmut**, President, Alexander von Humboldt Foundation; Professor, Technische Universität, Berlin

**Serageldin, Ismail**, Director, Bibliotheca Alexandrina, Alexandria, Egypt

**Terragno, Rodolfo Hector**, Chairman, Fundación Argentina Siglo 21

**Wheeldon, Christopher**, Founder, Former Director and Choreographer, Morphoses; Freelance Choreographer, London, United Kingdom