



American Academy of Arts and Sciences

The American Academy of Arts and Sciences is pleased to announce the election of 220 new members, continuing a 230-plus year history of recognizing some of the world's most accomplished scholars, scientists, writers, artists, civic, corporate, and philanthropic leaders. **The new members are listed below.**

View a list of new members [organized by discipline](#). View the [press release](#).

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

Cafilisch, 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, Knight Cancer Center, 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 C., Chairman of the Board, President, and Chief Executive Officer, Merck & Company, Inc.

Gates, Melinda French, Co-Chair and Trustee, Bill and Melinda Gates Foundation

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., Howard Hughes Medical Institute Investigator; 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, *The 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, 5th 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