



## American Academy of Arts and Sciences

NEWLY ELECTED MEMBERS, APRIL 2013

TOTAL: 197

FELLOWS: 186

FOREIGN HONORARY MEMBERS: 11

### CLASS I – MATHEMATICAL AND PHYSICAL SCIENCES (43)

FOREIGN HONORARY MEMBER (5)

#### SECTION 1 – *Mathematics, Applied Mathematics and Statistics* (7)

Brown, Lawrence David	University of Pennsylvania Wharton School
Jacquet, Hervé	Columbia University
Lawson, Jr., H. Blaine	Stony Brook University
Phong, Duong Hong	Columbia University
Popa, Sorin	University of California, Los Angeles
Strauss, Walter A.	Brown University
Yu, Bin	University of California, Berkeley

#### Foreign Honorary Member – *Mathematics*

Berestycki, Henri	Ecoles des Hautes Études En Sciences Sociales, Paris, France
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#### SECTION 2 – *Physics* (7)

Hellman, Frances	University of California, Berkeley/Hellman Foundation
Horowitz, Gary T.	University of California, Santa Barbara
Jaffe, Robert Loren	Massachusetts Institute of Technology
Murayama, Hitoshi	University of California, Berkeley
Rabe, Karin M.	Rutgers University
Read, Nicholas	Yale University
Wineland, David Jeffrey	University of Colorado/ National Institute of Standards and Technology

#### Foreign Honorary Members – *Physics*

Haroche, Serge	Collège de France/ École Normale Supérieure, Paris, France
Pethick, Christopher John	Nordita, Stockholm, Sweden/ Niels Bohr Institute, Copenhagen, Denmark

**SECTION 3 – *Chemistry* (7)**

Cane, David E.	Brown University
Marshall, Alan George	Florida State University
Mukamel, Shaul	University of California, Irvine
Nesbitt, David John	University of Colorado/ National Institute of Standards and Technology
Newton, Marshall D.	Brookhaven National Laboratory
Tilley, T. Don	University of California, Berkeley
Zhuang, Xiaowei	Harvard University

**Foreign Honorary Member – *Chemistry***

Müllen, Klaus	Max Planck Institute for Polymer Research, Mainz, Germany
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**SECTION 4 – *Astronomy (including Astrophysics) and Earth Sciences* (8)**

Bowring, Samuel A.	Massachusetts Institute of Technology
Heckman, Timothy M.	Johns Hopkins University
Kamionkowski, Marc	Johns Hopkins University
Kellogg, Louise Helen	University of California, Davis
Latham, David Winslow	Harvard-Smithsonian Center for Astrophysics
Macdonald, Ken C.	University of California, Santa Barbara
Michelson, Peter F.	Stanford University
Wentzcovitch, Renata M.M.	University of Minnesota

**Foreign Honorary Member – *Astronomy (including Astrophysics) and Earth Sciences***

Andreae, Meinrat O.	Max Planck Institute for Chemistry, Mainz, Germany
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**SECTION 5 – *Engineering Sciences and Technologies* (7)**

Agrawal, Rakesh	Purdue University
Bienenstock, Arthur I.	Stanford University
Hammond, Paula T.	Massachusetts Institute of Technology
Leonard, Naomi E.	Princeton University
Majumdar, Arun	Google.org
Walt, David R.	Tufts University
Weinbaum, Sheldon	City College, City University of New York

**SECTION 6 – *Computer Sciences (including Artificial Intelligence and Information Technologies)* (7)**

Agarwal, Anant	Massachusetts Institute of Technology/ edX
Dill, David L.	Stanford University
Eggers, Susan Jean	University of Washington
Malik, Jitendra	University of California, Berkeley
Norvig, Peter	Google Research
Rexford, Jennifer	Princeton University
Tapia, Richard A.	Rice University

**CLASS II – BIOLOGICAL SCIENCES (37)**

*FOREIGN HONORARY MEMBERS (2)*

**SECTION 1 – *Biochemistry and Molecular Biology* (8)**

Altshuler, David Matthew	Broad Institute at MIT and Harvard
Berger, Shelley L.	University of Pennsylvania
Elson, Elliot Lawrence	Washington University in St. Louis School of Medicine
Friedman, Jeffrey M.	Rockefeller University
Koonin, Eugene V.	National Institutes of Health
Lis, John T.	Cornell University
Marqusee, Susan	University of California, Berkeley
Workman, Jerry L.	Stowers Institute for Medical Research

**Foreign Honorary Member – *Biochemistry and Molecular Biology***

Shi, Yigong	Tsinghua University, Beijing, China
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**SECTION 2 – *Cellular and Developmental Biology, Microbiology and Immunology (including Genetics)* (7)**

Bartel, Bonnie	Rice University
Beutler, Bruce Alan	University of Texas Southwestern Medical Center
Bloom, Kerry Steven	University of North Carolina at Chapel Hill
Kemphues, Kenneth J.	Cornell University
Moon, Randall T.	University of Washington
Pfeffer, Suzanne Ruth	Stanford University
Seydoux, Geraldine	Johns Hopkins University School of Medicine

**SECTION 3 – *Neurosciences, Cognitive Sciences, and Behavioral Biology* (7)**

Breakefield, Xandra O.	Harvard Medical School/ Massachusetts General Hospital
Constantine-Paton, Martha	Massachusetts Institute of Technology
Hillyard, Steven Allen	University of California, San Diego
Hood, Donald C.	Columbia University
Lee, Virginia Man-Yee	University of Pennsylvania
Sejnowski, Terrence J.	Salk Institute for Biological Studies
Tessier-Lavigne, Marc T.	Rockefeller University

**Foreign Honorary Member – *Neurosciences, Cognitive Sciences, and Behavioral Biology***

Romo, Ranulfo	Universidad Nacional Autónoma de México, Mexico D.F., Mexico
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**SECTION 4 – *Evolutionary and Population Biology and Ecology* (7)**

Fuhrman, Jed A.	University of Southern California
Holt, Robert Dan	University of Florida
Ives, Anthony Ragnar	University of Wisconsin-Madison
Knowlton, Nancy	Smithsonian National Museum of Natural History
Pritchard, Jonathan K.	University of Chicago
Vehrencamp, Sandra L.	Cornell University
Whitlock, Michael C.	University of British Columbia

**SECTION 5 – *Medical Sciences (including Physiology and Pharmacology), Clinical Medicine, and Public Health* (8)**

Alvarez-Buylla, Arturo	University of California, San Francisco
Blaser, Martin Jack	New York University School of Medicine
Ferriero, Donna M.	University of California, San Francisco
Loscalzo, Joseph	Harvard Medical School/ Brigham & Women's Hospital
Lowe, Scott William	Memorial Sloan-Kettering Cancer Center
Lupski, James R.	Baylor College of Medicine
Mendelsohn, John	University of Texas MD Anderson Cancer Center/Rice University
Sherr, Charles J.	St. Jude Children's Research Hospital

**CLASS III – SOCIAL SCIENCES (39)**

***FOREIGN HONORARY MEMBER (1)***

**SECTION 1A – *Social and Developmental Psychology* (5)**

Bjork, Robert Allen	University of California, Los Angeles
Gopnik, Alison	University of California, Berkeley
Nelson, Charles A.	Harvard Medical School/Boston Children's Hospital
Steinberg, Laurence D.	Temple University
Tversky, Barbara G.	Columbia University

**SECTION 1B – *Education* (5)**

Cohen, David K.	University of Michigan
Lawrence-Lightfoot, Sara	Harvard Graduate School of Education
Murnane, Richard J.	Harvard Graduate School of Education
Resnick, Lauren B.	University of Pittsburgh
Smith, Marshall S.	Carnegie Foundation for the Advancement of Teaching

**SECTION 2 – *Economics* (7)**

Bloom, Nicholas	Stanford University
Eberly, Janice Caryl	United States Department of the Treasury
Eichenbaum, Martin S.	Northwestern University
Epstein, Larry G.	Boston University
Lo, Andrew	AlphaSimplex LLC/ Massachusetts Institute of Technology
Rosenzweig, Mark	Yale University
Wolinsky, Asher	Northwestern University

**SECTION 3 – *Political Science, International Relations, and Public Policy* (7)**

Diermeier, Daniel Andreas	Northwestern University Kellogg School of Management
Huber, John D.	Columbia University
Jackman, Simon David	Stanford University
Macedo, Stephen Joseph	Princeton University
McDermott, Rose M.	Brown University
Smith, Alastair	New York University
Wantchekon, Leonard	Princeton University

**SECTION 4 – *Law (including the Practice of Law)* (8)**

Aleinikoff, T. Alexander	Georgetown University/ U.N. High Commission for Refugees
Ginsburg, Thomas B.	University of Chicago Law School
Jolls, Christine	Yale Law School
Kahan, Dan M.	Yale Law School
Levi, John G.	Legal Services Corp./ Sidley Austin LLP
Manning, John Francis	Harvard Law School
Rakoff, Jed S.	U.S. District Court, Southern District of New York
Samuelson, Pamela	University of California, Berkeley School of Law

**SECTION 5 – *Archaeology, Anthropology, Sociology, Geography and Demography* (7)**

Beall, Cynthia M.	Case Western Reserve University
Erlandson, Jon McVey	University of Oregon
Laumann, Edward O.	University of Chicago
Meltzer, David J.	Southern Methodist University
Moseley, Michael Edward	University of Florida
Swidler, Ann	University of California, Berkeley
Woolard, Kathryn Ann	University of California, San Diego

**Foreign Honorary Member – *Archaeology, Anthropology, Sociology, Geography, Demography***

Cooke, Richard G.	Smithsonian Tropical Research Institute, Panama
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**CLASS IV – HUMANITIES AND ARTS (39)**

*FOREIGN HONORARY MEMBERS (3)*

**SECTION 1 – *Philosophy and Religious Studies* (7)**

Chalmers, David	Australian National University/New York University
Code, Alan	Stanford University
Fishbane, Michael	University of Chicago Divinity School
Fredriksen, Paula	Boston University
Hawley, John Stratton	Barnard College
Langton, Rae	Massachusetts Institute of Technology
Smith, Michael Andrew	Princeton University

**SECTION 2 – *History* (6)**

Hoxie, Frederick E.	University of Illinois at Urbana-Champaign
Jacob, Margaret Candee	University of California, Los Angeles
Mann, Susan	University of California, Davis
Maza, Sarah Crawford	Northwestern University
Ruiz, Teofilo	University of California, Los Angeles
Schwartz, Stuart B.	Yale University

**SECTION 3 – *Literary Criticism (including Philology)* (7)**

Aronoff, Mark	Stony Brook University
Kaster, Robert A.	Princeton University
Lentricchia, Frank Richard	Duke University
Miller, David A.	University of California, Berkeley
Nichols, Stephen G.	Johns Hopkins University
Perlmutter, David M.	University of California, San Diego
Warner, Michael D.	Yale University

**SECTION 4 – *Literature (Fiction, Poetry, Short Stories, Nonfiction, Playwriting, Screenwriting) (7)***

Amis, Martin	Brooklyn, New York
Berry, Wendell E.	Port Royal, Kentucky
Dillard, Annie	New York, New York
Eugenides, Jeffrey Kent	Princeton University
Fugard, Athol	Port Elizabeth, South Africa/San Diego, California
Theroux, Paul	E. Sandwich, Massachusetts
Trethewey, Natasha	Emory University

**Foreign Honorary Members – *Literature (Fiction, Poetry, Short Stories, Nonfiction, Playwriting, Screenwriting)***

Barnes, Julian Patrick	London, United Kingdom
Donoghue, Emma	London, Ontario, Canada

**SECTION 5A – *Visual Arts – Criticism and Practice (4)***

Bambach, Carmen C.	Metropolitan Museum of Art
Druick, Douglas	Art Institute of Chicago
Pfaff, Judy	Bard College
Shimizu, Yoshiaki	Princeton University

**SECTION 5B – *Performing Arts – Criticism and Practice (8)***

De Niro, Robert	New York, New York
Field, Sally	Beverly Hills, California
Fleming, Renée	New York, New York
Hancock, Herbert J.	Thelonious Monk Institute of Jazz/University of California, Los Angeles
Maysles, Albert Harry	Maysles Films, Inc.
Mekas, Jonas	Anthology Film Archives
Springsteen, Bruce	Colts Neck, New Jersey
Stoltzman, Richard	New England Conservatory

**Foreign Honorary Members – *Performing Arts – Criticism and Practice***

Mutter, Anne-Sophie	Munich, Germany
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**CLASS V – PUBLIC AFFAIRS, BUSINESS, AND ADMINISTRATION (28)**

**SECTION 1 – *Public Affairs, Journalism, and Communications* (9)**

Abbott, Jonathan C.	WGBH
Aldridge, Edward C.	McDonnell Douglas/ Aerospace Corporation
Chast, Roz	<i>The New Yorker</i>
Edwards, Mickey H.	Aspen Institute
Glenn, Jr., John H.	U.S. Senate/ NASA
Lugar, Richard G.	U.S. Senate/ Indiana University
Moniz, Ernest	Massachusetts Institute of Technology
Rothstein, Edward	<i>The New York Times</i>
Savitz, Maxine L.	Honeywell, Inc.

**SECTION 2 – *Business, Corporate and Philanthropic Leadership* (10)**

Berman, Mandell Leslie	The Mandell L. and Madeleine H. Berman Foundation
Buttenwieser, Paul Arthur	Harvard Medical School/ Beth Israel Deaconess Medical Center
Hutchins, Glenn H.	Silver Lake Partners
Osher, Barbro Sachs	Bernard Osher Foundation
Poorvu, William James	Harvard Business School
Rosenberg, Richard M.	Bank of America Corporation
Rubenstein, David M.	The Carlyle Group
Sandler, Herbert M.	Sandler Foundation
Siebel, Thomas M.	C3 Energy/ First Virtual Group
Williams, Ronald A.	Emergency Medical Services Corporation/ Aetna

**SECTION 3 – *Educational, Scientific, Cultural and Philanthropic Administration* (9)**

Dijkgraaf, Robbert H.	Institute for Advanced Study
Hanlon, Philip J.	University of Michigan/ Dartmouth College
Heintz, Stephen B.	Rockefeller Brothers Fund
Kelly, Regis B.	University of California, San Francisco
Nikias, C.L. Max	University of Southern California
Parrish, John A.	Center for Integration of Medicine and Innovative Technology
Pulitzer, Emily Rauh	Pulitzer Foundation for the Arts
Salovey, Peter	Yale University
Wise, Phyllis M.	University of Illinois at Urbana-Champaign