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NEWS

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FOR IMMEDIATE RELEASE

72 NEW MEMBERS CHOSEN BY ACADEMY

WASHINGTON -- The National Academy of Sciences today announced the election of 72 new members and 18 foreign associates from 12 countries in recognition of their distinguished and continuing achievements in original research.

The election was held this morning during the business session of the 144th annual meeting of the Academy. Those elected today bring the total number of active members to 2,025. Foreign associates are nonvoting members of the Academy, with citizenship outside the United States. Today's election brings the total number of foreign associates to 387.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. It was established in 1863 by a congressional act of incorporation signed by Abraham Lincoln that calls on the Academy to act as an official adviser to the federal government, upon request, in any matter of science or technology.

Additional information about the Academy and its members is available online at <http://www.nasonline.org>.

Newly elected members and their affiliations at the time of election are:

ACUÑA, MARIO H.; senior astrophysicist and project scientist, International Solar Terrestrial Physics Program, NASA Goddard Space Flight Center, Greenbelt, Md.

AGARD, DAVID A.; investigator, Howard Hughes Medical Institute, and professor, department of biochemistry and biophysics, University of California, San Francisco

AMBROS, VICTOR R.; professor of genetics, Dartmouth Medical School, Hanover, N.H.

ANDERSON, DAVID J.; investigator, Howard Hughes Medical Institute, and Roger W. Sperry Professor of Biology, California Institute of Technology, Pasadena

ATWATER, BRIAN F.; geologist, western earthquake hazards team, U.S. Geological Survey, and affiliate professor, department of earth and space sciences, University of Washington, Seattle

AWSCHALOM, DAVID D.; professor of physics and of electrical and computer engineering, department of physics, University of California, Santa Barbara

BAKER, TANIA A.; investigator, Howard Hughes Medical Institute, and E.C. Whitehead Professor Biology, Massachusetts Institute of Technology, Cambridge

- BAWENDI, MOUNGI G.; professor of chemistry and Keck Professor of Energy, Massachusetts Institute of Technology, Cambridge
- BELL, C. GORDON; senior researcher, Microsoft Bay Area Research Center, San Francisco
- BELLUGI, URSULA; professor and director, Laboratory of Cognitive Neuroscience, Salk Institute for Biological Studies, La Jolla, Calif.
- BLOCK, STEVEN M.; professor of applied physical and biological sciences, Stanford University, Stanford, Calif.
- BRENNER, MICHAEL B.; Theodore Bevier Bayles Professor of Medicine, Harvard Medical School, Boston
- BRYANT, ROBERT L.; J.M. Kreps Professor, department of mathematics, Duke University, Durham, N.C.
- CANFIELD, DONALD E.; professor of ecology, Institute of Biology, and director, Nordic Center for Earth Evolution, University of Southern Denmark, Odense
- CARROLL, SEAN B.; investigator, Howard Hughes Medical Institute, and professor of molecular biology and genetics, University of Wisconsin, Madison
- CLARK, NOEL; professor, department of physics, University of Colorado, Boulder
- COOK, KAREN S.; Ray Lyman Wilbur Professor of Sociology, department of sociology, Stanford University, Stanford, Calif.
- DANGL, JEFFREY L.; associate director, Carolina Center for Genome Sciences, and John N. Couch Distinguished Professor, University of North Carolina, Chapel Hill
- DIXON, RICHARD A.; plant biology division director, The Samuel Roberts Noble Foundation, Ardmore, Okla.
- DOONER, HUGO K.; professor, Waksman Institute, Rutgers, The State University of New Jersey, Piscataway
- DRAINE, BRUCE T.; professor, department of astrophysical sciences, Princeton University, Princeton, N.J.
- DRUKER, BRIAN J.; investigator, Howard Hughes Medical Institute, and JELD-WEN Chair of Leukemia Research, Oregon Health & Science University, Portland
- DURRETT, RICHARD; professor, Cornell University, Ithaca, N.Y.
- EDGAR, ROBERT S.; professor emeritus, University of California, Santa Cruz
- EMANUEL, KERRY A.; Breene M. Kerr Professor, program in atmospheres, oceans, and climate, department of earth, atmospheric, and planetary sciences, Massachusetts Institute of Technology, Cambridge
- EMR, SCOTT D.; investigator, Howard Hughes Medical Institute, and director, Institute of Cell and Molecular Biology, Cornell University, Ithaca, N.Y.
- ESTELLE, MARK; Carlos O. Miller Professor of Developmental Biology, department of biology,

Indiana University, Bloomington

ESTES, MARY K.; professor and Cullen Foundation Endowed Chair, department of molecular virology and microbiology, Baylor College of Medicine, Houston

FALKOWSKI, PAUL G.; professor, Institute of Marine and Coastal Sciences and department of geological sciences, Rutgers, The State University of New Jersey, New Brunswick

FAYER, MICHAEL D.; David Mulvane Ehram and Edward Curtis Franklin Professor of Chemistry, department of chemistry, Stanford University, Stanford, Calif.

FLEMING, GRAHAM; Melvin Calvin Distinguished Professor of Chemistry, University of California, Berkeley

FRAKER, PAMELA J.; professor of food science and human nutrition and distinguished professor of biochemistry, Michigan State University, East Lansing

GABRIELSE, GERALD; Leverett Professor of Physics, Harvard University, Cambridge, Mass.

GINSBURG, DAVID; investigator, Howard Hughes Medical Institute, and James V. Neel Distinguished University Professor, University of Michigan Medical School, Ann Arbor

GOLDMAN, ALLEN M.; Institute of Technology Professor of Physics, and head, School of Physics and Astronomy, University of Minnesota, Minneapolis

GOTTLIEB, DAVID; Ford Foundation Professor, Brown University, Providence, R.I.

GRONENBORN, ANGELA M.; professor of pharmacology, and director, Structural Biology Program, University of Pittsburgh, Pittsburgh

HILDEBRAND, JOHN G.; Regents Professor and professor of neurobiology, biochemistry and molecular biophysics, entomology, and molecular and cellular biology, and director, Arizona Research Laboratories Division of Neurobiology, University of Arizona, Tucson

HOBBS, HELEN H.; investigator, Howard Hughes Medical Institute, and director, McDermott Center for Human Growth and Development, University of Texas Southwestern Medical Center, Dallas

HOUSE, JAMES S.; Angus Campbell Collegiate Professor of Sociology and Survey Research, Institute for Social Research, University of Michigan, Ann Arbor

JOHNSON, WILLIAM L.; Ruben and Donna Mettler Professor of Materials Science, Engineering, and Applied Science, California Institute of Technology, Pasadena

JOHNSON-LAIRD, PHILIP N.; Stuart Professor of Psychology, department of psychology, Princeton University, Princeton, N.J.

KIESSLING, LAURA L.; professor of chemistry and biochemistry, University of Wisconsin, Madison

KOWALCZYKOWSKI, STEPHEN C.; distinguished professor of microbiology and of molecular and cellular biology, and director, Center for Genetics and Development, University of California, Davis

LAITIN, DAVID; James T. Watkins IV and Elise V. Watkins Professor of Political Science, department of political science, Stanford University, Stanford, Calif.

- LIBCHABER, ALBERT J.; professor of physics, The Rockefeller University, New York City
- LOVEJOY, CLAUDE OWEN; university professor, Kent State University, Kent, Ohio
- MARDER, EVE E.; professor of neuroscience, department of biology, Brandeis University, Waltham, Mass.
- MCMULLEN, CURTIS T.; professor, Harvard University, Cambridge, Mass.
- MICALI, SILVIO; professor, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge
- MILLER, CHRISTOPHER; investigator, Howard Hughes Medical Institute, and professor, Brandeis University, Waltham, Mass.
- MOERNER, WILLIAM E.; Harry S. Mosher Professor, Stanford University, Stanford, Calif.
- MORGAN, M. GRANGER; university professor and head, department of engineering and public policy, Carnegie Mellon University, Pittsburgh
- OLSON, PETER L.; professor of geophysical fluid dynamics, Johns Hopkins University, Baltimore
- PACALA, STEPHEN W.; Frederick D. Petrie Professor, department of ecology and evolutionary biology, Princeton University, Princeton, N.J.
- PLOG, STEPHEN; Commonwealth Professor, department of anthropology, University of Virginia, Charlottesville
- PLOTT, CHARLES R.; Edward S. Harkness Professor of Economics and Political Science, division of humanities and social sciences, California Institute of Technology, Pasadena
- RICHMOND, TIMOTHY J.; professor, Institute of Molecular Biology and Biophysics, Swiss Federal Institute of Technology, Zurich, Switzerland
- SCHILLER, PETER H.; professor, Massachusetts Institute of Technology, Cambridge
- SCHRAMM, VERN L.; professor and chair, department of biochemistry, Albert Einstein College of Medicine of Yeshiva University, Bronx, N.Y.
- SEIDMAN, JONATHAN G.; Henrietta B. and Frederick H. Bugher Professor of Cardiovascular Genetics, Harvard Medical School, Boston
- SHULMAN, GERALD I.; investigator, Howard Hughes Medical Institute, and professor of medicine and cellular and molecular physiology, Yale University School of Medicine, New Haven, Conn.
- SPENCER, CHARLES S.; curator of anthropology, and chair, division of anthropology, American Museum of Natural History, New York City
- SPERGEL, DAVID N.; professor, department of astrophysical sciences, Princeton University, Princeton, N.J.
- SREENIVASAN, KATEPALLI R.; Martin Professor of Engineering and distinguished university professor, University of Maryland, College Park
- STARK, HAROLD M.; professor of mathematics, University of California, San Diego

- TABIN, CLIFFORD J.; professor, department of genetics, Harvard Medical School, Boston
- WELLEMS, THOMAS E.; chief, laboratory of malaria and vector research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Md.
- WILL, CLIFFORD M.; James S. McDonnell Professor of Physics, Washington University, St. Louis
- WISE, MARK B.; John A. McCone Professor of High Energy Physics, California Institute of Technology, Pasadena
- YOKOYAMA, WAYNE M.; investigator, Howard Hughes Medical Institute, and Sam and Audrey Lowe Levin Professor of Medicine and of Pathology, Washington University School of Medicine, St. Louis
- YOUNG, MICHAEL W.; vice president of academic affairs and Richard and Jeanne Fisher Professor, The Rockefeller University, New York City

Newly elected foreign associates, their affiliations at the time of election, and their country of citizenship are:

- ASKONAS, BRIGITTE A.; visiting professor, Imperial College of Science, Technology, and Medicine, London (United Kingdom)
- CIECHANOVER, AARON J.; distinguished professor, faculty of medicine, Technion, Haifa (Israel)
- DELIGNE, PIERRE; professor, Institute for Advanced Study, Princeton, N.J. (Belgium)
- GRANT, PETER R.; professor, Princeton University, Princeton, N.J. (United Kingdom)
- IJIMA, SUMIO; professor, department of materials science and engineering, Meijo University, Nagoya (Japan)
- ITO, MASAO; director, RIKEN Brain Science Institute, Saitama (Japan)
- IZQUIERDO, IVAN A.; professor of medicine and head, Memory Center, Institute of Biomedical Research, Pontifical Catholic University of Rio Grande, Porto Alegre (Brazil)
- KINGMAN, JOHN; director, Isaac Newton Institute for Mathematical Sciences, University of Cambridge, Cambridge, England (United Kingdom)
- LI, AIZHEN; Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai (People's Republic of China)
- LORDKIPANIZDE, DAVID O.; director, Georgian National Museum, Georgian National Academy of Sciences, Tblisi (Georgia)
- MARASAS, WALTER F.O.; director, Programme on Mycotoxins and Experimental Carcinogenesis Unit, Medical Research Council, Tygerberg (South Africa)
- PINGALI, PRABHU L.; director, division of agricultural and development economics, United Nations Food and Agricultural Organization, Rome (India)
- SALAS, MARGARITA; research professor, Severo Ochoa Center for Molecular Biology, Autonomous University of Madrid, Madrid (Spain)

SEEBACH, DIETER; professor of chemistry emeritus, laboratory of organic chemistry, Swiss Federal Institute of Technology, Zurich, Switzerland (Germany)

TAKEICHI, MASATOSHI; director, Center for Developmental Biology, RIKEN, Kobe (Japan)

WHITE, SIMON D.M.; director, Max Planck Institute for Astrophysics, Garching, Germany (United Kingdom)

WOODMAN, RONALD F.; executive president, Geophysical Institute of Peru, Mayorazgo (Peru)

ZHANG, QIFA; professor and director, National Key Laboratory of Crop Genetic Improvement, Huazhong Agricultural University, Wuhan (People's Republic of China)

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