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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 13 countries in recognition of their distinguished and continuing achievements in original research.

The election was held this morning during the business session of the 141st annual meeting of the Academy. Election to membership in the Academy is considered one of the highest honors that can be accorded a U.S. scientist or engineer. Those elected today bring the total number of active members to 1,949.

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 351.

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, which 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 institution is available on the Internet at <http://national-academies.org>. A full directory of NAS members can be found online at <http://national-academies.org/nas>.

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

ALIVISATOS, Armand Paul; Chancellor's Professor of Chemistry and Materials Science, University of California, Berkeley

AMARA, Susan G.; Thomas Detre Professor and chair, department of neurobiology, University of Pittsburgh School of Medicine, Pittsburgh

BENNETZEN, Jeffrey L.; Norman Giles Professor of Genetics, University of Georgia, Athens

BERNSTEIN, Joseph; professor, School of Mathematical Sciences, Tel Aviv University, Tel Aviv, Israel

BOBO, Lawrence D.; Norman Tishman and Charles M. Diker Professor of Sociology and of African and African American Studies, Harvard University, Cambridge, Mass.

BRUS, Louis E.; professor of chemistry, Columbia University, New York City

BUCKSBAUM, Philip H.; Otto Laporte Professor of Physics, University of Michigan, Ann Arbor

CAMPBELL, Kevin P.; investigator, Howard Hughes Medical Institute; and Roy J. Carver Professor and chair, department of physiology and biophysics, and professor, department of neurology, Roy J. and Lucille A. Carver College of Medicine, University of Iowa, Iowa City

CHAIKIN, Paul M.; Henry DeWolf Smyth Professor of Physics, Princeton University, Princeton, N.J.

CHALFIE, Martin; William R. Kenan Jr. Professor, department of biological sciences, Columbia University

CHAPIN, F. Stuart, III; professor, Institute of Arctic Biology, University of Alaska, Fairbanks

COLELLA, Phillip; senior staff mathematician and group leader, Applied Numerical Algorithms Group, Lawrence Berkeley National Laboratory, Berkeley, Calif.

COUGHLIN, Shaun R.; professor of medicine and director, Cardiovascular Research Institute, University of California, San Francisco

DAVIS, Stephen H.; McCormick School Professor and Walter P. Murphy Professor of Applied Mathematics, Northwestern University, Evanston, Ill.

DELMER, Deborah P.; associate director, Food Security Theme, The Rockefeller Foundation,

New York City

DENLINGER, David L.; professor and chair, department of entomology, The Ohio State University, Columbus

DRENNAN, Robert D.; professor of anthropology, University of Pittsburgh

FIRE, Andrew Z.; professor of pathology and of genetics, Stanford University School of Medicine, Stanford, Calif.

GHEZ, Andrea M.; professor of physics and astronomy, University of California, Los Angeles

GOLDWASSER, Shafira; professor, department of electrical engineering and computer science, Massachusetts Institute of Technology, Cambridge

GREENBERG, E. Peter; Virgil L. and Evalyn N. Shepperd Chair of Molecular Pathogenesis, Roy J. and Lucille A. Carver College of Medicine, University of Iowa

GRIFFIN, Diane Edmund.; professor and chair, molecular microbiology and immunology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore

GROSS, Benedict H.; George Vasmer Leverett Professor of Mathematics, department of mathematics, and dean, Harvard College, Harvard University

HALL, Robert Ernest; Robert and Carole McNeil Joint Professor, department of economics, and senior fellow, Hoover Institution, Stanford University

HELMBERGER, Donald V.; Smits Family Professor of Geophysics and Planetary Science, California Institute of Technology, Pasadena

HONIG, Barry H.; investigator, Howard Hughes Medical Institute; and professor, department of biochemistry and molecular biophysics, Columbia University

HOPKINS, Nancy; Amgen Professor of Biology, department of biology and Center for Cancer Research, Massachusetts Institute of Technology

HUGANIR, Richard L.; investigator, Howard Hughes Medical Institute; and professor, department of neuroscience, Johns Hopkins University School of Medicine

ISRAELACHVILI, Jacob N.; professor, department of chemical engineering, University of California, Santa Barbara

JEANLOZ, Raymond; professor in earth and planetary science and in astronomy, University of California, Berkeley

JONES, Edward G.; professor of psychiatry and director, Center for Neuroscience, University of California, Davis

JULIUS, David; professor, cellular and molecular pharmacology programs in cell biology and neuroscience, University of California, San Francisco

KATZ, Nicholas M.; professor and chair, department of mathematics, Princeton University

KEATING, Mark T.; investigator, Howard Hughes Medical Institute; and professor of cell biology, Children's Hospital, Harvard Medical School, Boston

KELLY, Raymond C.; professor, department of anthropology, University of Michigan, Ann Arbor

KENT, Dennis V.; professor, department of geological sciences, Rutgers, The State University of New Jersey, New Brunswick-Piscataway

KNOWLES, William S.; Monsanto Science Fellow (emeritus), Monsanto Co., St. Louis

LAMBOWITZ, Alan M.; chaired professor of molecular biology and director, Institute for Cellular and Molecular Biology, The University of Texas, Austin

LANGE, Andrew E.; Marvin L. Goldberger Professor of Physics, division of physics, mathematics, and astronomy, California Institute of Technology

LIEBER, Charles M.; Mark Hyman Jr. Professor of Chemistry, Harvard University

LITTMAN, Dan R.; investigator, Howard Hughes Medical Institute; and Kimmel Professor of Molecular Immunology, Skirball Institute of Biomolecular Medicine, New York University Medical Center, New York City

LOFTUS, Elizabeth F.; distinguished professor, department of psychology and social behavior and department of criminology, law, and society, University of California, Irvine

MAPLE, M. Brian; Bernd Matthias Professor of Physics, University of California, San Diego, La Jolla

MAYO, Stephen L.; associate investigator, Howard Hughes Medical Institute; and professor of biology and chemistry, California Institute of Technology

MISCHEL, Walter; Robert Johnson Niven Professor of Humane Letters in Psychology, Columbia University

MORAN, Nancy A.; Regents' Professor and professor of ecology and evolutionary biology, University of Arizona, Tucson

MURNANE, Margaret M.; professor of physics and fellow, Joint Institute for Laboratory Astrophysics, University of Colorado, Boulder

NEWMAN, Charles M.; professor of mathematics and director, Courant Institute of Mathematical Sciences, New York University

NEWPORT, Elissa L.; George Eastman Professor of Brain and Cognitive Sciences and of Linguistics and chair, department of brain and cognitive sciences, University of Rochester, Rochester, N.Y.

O'SHEA, Erin K.; associate investigator, Howard Hughes Medical Institute; and professor and vice chair, department of biochemistry and biophysics, University of California, San Francisco

OSTER, George F.; professor of cell and developmental biology and of environmental science, policy, and management, University of California, Berkeley

PHILANDER, S. George H.; professor, department of geosciences, Princeton University

POTTS, John T.; Jackson Distinguished Professor of Clinical Medicine, Massachusetts General Hospital, Harvard Medical School

QUAIL, Peter H.; research director, Plant Gene Expression Center, and professor of plant biology, University of California, Berkeley

RAMAKRISHNAN, Venkatraman; group leader, Structural Studies Division Laboratory of Molecular Biology, Medical Research Council, Cambridge, U.K.

RIVEST, Ronald L.; professor of computer science, Massachusetts Institute of Technology

ROBERTSON, R.G. Hamish; professor of physics and scientific director, Center for Experimental Nuclear Physics and Astrophysics, University of Washington, Seattle

SMITH, V. Kerry; director, Center for Environmental and Resource Economics Policy, and University Distinguished Professor, department of agricultural and resource economics, North Carolina State University, Raleigh

STANLEY, H. Eugene; professor of physics and director, Center for Polymer Studies, Boston University

STOKEY, Nancy L.; Frederick Henry Prince Professor of Economics, The University of Chicago, Chicago

TITLE, Alan M.; senior fellow, Lockheed Martin Advanced Technology Center, Palo Alto, Calif.

TOLBERT, Margaret A.; professor, department of chemistry and biochemistry, University of Colorado, Boulder

TURNER, Monica G.; professor, department of zoology, University of Wisconsin, Madison

VAUPEL, James W.; founding director, Max Planck Institute for Demographic Research, Rostock, Germany

WALTER, Peter; investigator, Howard Hughes Medical Institute; and professor and chair, department of biochemistry and biophysics, University of California, San Francisco

WANG, Xiaodong; investigator, Howard Hughes Medical Institute; and George L. MacGregor Distinguished Chair in Biomedical Science, The University of Texas Southwestern Medical Center, Dallas

WICKNER, Sue Hengren; chief, DNA Molecular Biology Section, Laboratory of Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Md.

YANCOPOULOS, George D.; president, Regeneron Research Laboratories, Tarrytown, N.Y.

YILMA, Tilahun D.; professor of virology and director, International Laboratory of

Molecular Biology for Tropical Disease Agents, University of California, Davis

ZOGHBI, Huda Y.; investigator, Howard Hughes Medical Institute; and professor, departments of pediatrics, neurology, neuroscience, and molecular and human genetics, Baylor College of Medicine, Houston

ZUBER, Maria T.; E.A. Griswold Professor of Geophysics and head, department of earth, atmospheric, and planetary sciences, Massachusetts Institute of Technology

ZUKER, Charles S.; investigator, Howard Hughes Medical Institute; and professor of biology and of neurosciences, division of biological sciences, University of California, San Diego

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

BIRGENEAU, Robert J.; president, University of Toronto, Ontario (Canada)

CESARSKY, Catherine; director general, European Southern Observatory, Munich, Germany (France)

COWSIK, Ramanath; director, Indian Institute of Astrophysics, Bangalore (India)

DE WAAL, Frans B.M.; C.H. Candler Professor of Primate Behavior and director, Living Links Center, Yerkes Regional Primate Center, Emory University, Atlanta (Netherlands)

DIRZO, Rodolfo; professor, Institute of Ecology, National University of Mexico (Mexico)

DURAND, Jorge; professor of social anthropology, University of Guadalajara, Mexico (Mexico)

GOODY, Jack; William Wyse Emeritus Professor of Social Anthropology, St. John's College, University of Cambridge, United Kingdom (United Kingdom)

HARI, Riitta K.; director, Advanced Magnetic Imaging Centre, and head, Brain Research Unit Low Temperature Laboratory, Helsinki University of Technology (Finland)

KREBS, John Richard; Royal Society Research Professor, department of zoology, University of Oxford, United Kingdom (United Kingdom)

MUKAIYAMA, Teruaki; professor, Center of Basic Research, The Kitasato Institute, Tokyo (Japan)

PÄÄBO, Svante; director, department of genetics, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany (Germany)

PAWSON, Anthony J.; International Research Scholar, Howard Hughes Medical Institute; and University Professor, department of medical genetics and microbiology, University of Toronto, Ontario (United Kingdom)

STEVENSON, David J.; George Van Osdol Professor of Planetary Science, division of geological and planetary sciences, California Institute of Technology, Pasadena (New Zealand)

TSUI, Lap-Chee; vice chancellor, University of Hong Kong, People's Republic of China (People's Republic of China)

WALKER, John E.; director, Dunn Human Nutrition Unit, Medical Research Council, Cambridge, United Kingdom (United Kingdom)

WILMUT, Ian; head, department of gene expression and development, Roslin Institute, Midlothian, Scotland (United Kingdom)

WU, Maw-Kuen; distinguished research fellow and director, Institute of Physics, Academia Sinica, Taipei, Taiwan (Republic of China)

ZIV, Jacob; distinguished professor and Herman Gross Professor of Electrical Engineering, Technion Israel Institute of Technology, Haifa (Israel)

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