



ASSOCIATION AFFAIRS

Gerald Fink: Global Challenges Require Sustained Support

Gerald Fink has learned to love a good experiment. And while the geneticist doesn't expect everyone to share his passion for elegant experimental designs or effective controls, he believes the general public does respect and depend on the solutions that science provides.

"Most Americans are very practical people, and they are also kind of amateur scien-

people, for solutions to these problems, and the policy-makers. AAAS is the voice of American science to the world, and it's not just scientists who listen to this voice."

Climate warming, communicable diseases, and food and energy demand are among the enormous challenges facing the global community, he noted. "Everyone talks about these, but the solutions to these problems demand an investment in science. And I think in the 21st century, we need to listen to scientists and support them to attack these very difficult problems."

There "probably isn't a 'eureka experiment' that can solve them," he added, "but they require dedication, a long-term dedication, to their solution."

This long-term, sustained support of science is one that Fink hopes AAAS can continue to foster in Washington, D.C., with programs such as the R&D Budget and Policy Program and the AAAS Science & Technology Policy Fellowships. But he also cautioned that the recent battles over sequestration have had "a very damaging effect on science, particularly on young scientists."

"When I was a student, I didn't worry that I wouldn't be able to get a grant or have my education supported. The government was forthcoming at every point," he said. "I don't know that we can look forward to that commitment, and more importantly, without it our young scientists cannot be optimistic about

a career in science. The challenge is to reinvigorate our economy by investing in education and science so that the best minds of the next generation will have the support of their nation."

Fink turned to science in high school after reading Paul de Kruif's *Microbe Hunters*, about pioneering scientists like Louis Pasteur and Walter Reed, who built the germ theory of disease and developed the first vaccinations. "It was so exciting to me," he recalled, "but I went to a public high school that was not particularly good, and most people were interested in sports instead." So he and his best friend—now a mathematician—thought mostly about winning their next basketball game.

The successful launching of the Sputnik satellite by the Soviet Union in 1957 changed everything, however. Like many scientists his age, Fink remembers Sputnik as the impetus for an entirely new and exciting emphasis on science education. Spurred by this challenge, engineers and scientists began visiting schools to teach classes and to encourage students to choose a career in research.

Inspired by these examples, Fink went on to receive his Ph.D. in genetics from Yale University. His 1977 discovery of a technique to introduce DNA into living yeast cells paved the way for genetic engineering in this organism and others and helped establish yeast as "factories" for producing new vaccines and other medicines. Now, as a professor of biology and a founding member of the Whitehead Institute at MIT, Fink has focused his research on the molecular underpinnings of fungal infections.

His work with infectious agents also led to a stint as chair of the National Academy of Sciences Committee on Research Standards and Practices to Prevent the Destructive Application of Biotechnology, from 2002 to 2003. The committee's 2004 report has yielded a "very good public discourse" on the potential for misuse of scientific findings, one that has guided policies at *Science* and other research journals, Fink said.

Fink will succeed Phillip A. Sharp as president at the close of the 180th AAAS Annual Meeting in Chicago on 18 February. Sharp will become chairman of the AAAS Board of Directors.

—Carla Schaffer, Linda Hosler, and Becky Ham



tists," Fink said in a recent interview. "They want these problems like energy and global warming solved and know that they can only be solved by scientists."

As the incoming AAAS president, Fink believes that the organization is a vital "connection between the wishes of the American

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Call for Nomination of 2014 Fellows

AAAS Fellows who are current members of the Association are invited to nominate members for election as Fellows. A member whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished, and who has been a continuous member for the 4-year period leading up to the year of nomination, may by virtue of such

meritorious contribution be elected a Fellow by the AAAS Council.

A nomination must be sponsored by three previously elected AAAS Fellows (who are current in their membership), two of whom must have no affiliation with the nominee's institution.

Nominations undergo review by the steering groups of the Association's sections (the chair, chair-elect, retiring chair, secretary, and four members-at-large of each section). Each steering group reviews only those nominations designated for its section.

Names of Fellow nominees who are approved by the steering groups are presented to the Council in the fall for election.

Nominations with complete documentation must be received by 16 April 2014. Nominations received after that date or nominations that are incomplete as of the deadline will not move forward.

Complete instructions and a copy of the nomination form are available at www.aaas.org/page/aaas-fellows. Questions may be directed to fellownomination@aaas.org.

Results of the 2013 Election of AAAS Officers

Following are the results of the 2013 election. Terms begin on 18 February 2014.

General Election

President-Elect: Geraldine (Geri) Richmond, Univ. of Oregon

Board of Directors: Carlos J. Bustamante, Univ. of California, Berkeley; Laura H. Greene, Univ. of Illinois at Urbana-Champaign

Committee on Nominations: Sylvia T. Ceyer, Massachusetts Institute of Technology; Susan M. Fitzpatrick, James S. McDonnell Foundation; Alice Petry Gast, Lehigh Univ.; Susan Gottesman, National Cancer Institute/NIH

Section Elections

Agriculture, Food, and Renewable Resources

Chair Elect: Michael F. Thomashow, Michigan State Univ.

Member-at-Large of the Section Committee: Elizabeth E. Hood, Arkansas State Univ.

Electorate Nominating Committee: Sheila McCormick, USDA-ARS; Esther van der Knaap, Ohio State Univ.

Anthropology

Chair Elect: Robert W. Sussman, Washington Univ. in St. Louis

Member-at-Large of the Section Committee: Margaret C. Nelson, Arizona State Univ.

Electorate Nominating Committee: Patricia M. Lambert, Utah State Univ.; Lisa J. Lucero, Univ. of Illinois at Urbana-Champaign

Astronomy

Chair Elect: Stefi Alison Baum, Rochester Institute of Technology

Member-at-Large of the Section Committee: Jean L. Turner, Univ. of California, Los Angeles

Electorate Nominating Committee: Neil Gehrels, NASA/Univ. of Maryland; Michael Werner, Jet Propulsion Laboratory/Caltech

Atmospheric and Hydrospheric Sciences

Chair Elect: Michael J. Prather, Univ. of California, Irvine

Member-at-Large of the Section Committee: Soroosh Sorooshian, Univ. of California, Irvine

Electorate Nominating Committee: Anthony J. Broccoli, Rutgers Univ.; James A. Yoder, Woods Hole Oceanographic Institution

Council Delegate: David Halpern, Jet Propulsion Laboratory

Biological Sciences

Chair Elect: Steve Henikoff, Fred Hutchinson Cancer Research Center

Member-at-Large of the Section Committee: Susan R. Wentz, Vanderbilt Univ. School of Medicine

Electorate Nominating Committee: Vicki L. Chandler, Gordon and Betty Moore Foundation; Claire M. Fraser, Univ. of Maryland School of Medicine

Chemistry

Chair Elect: Bruce E. Bursten, Univ. of Tennessee, Knoxville

Member-at-Large of the Section Committee: Mark Thompson, Univ. of Southern California

Electorate Nominating Committee: Katrina M. Miranda, Univ. of Arizona; Galen D. Stucky, Univ. of California, Santa Barbara

Dentistry and Oral Health Sciences

Chair Elect: Mina Mina, Univ. of Connecticut Health Center

Member-at-Large of the Section Committee: Van P. Thompson, King's College London Dental Institute (UK)

Electorate Nominating Committee: Pamela K. Den Besten, UC San Francisco School of Dentistry; Mark C. Herzberg, Univ. of Minnesota School of Dentistry

Council Delegate: Linda C. Niessen, Nova Southeastern Univ.

Education

Chair Elect: Jay B. Labov, National Academy of Sciences/National Research Council

Member-at-Large of the Section Committee: Tamara Shapiro Ledley, TERC

Electorate Nominating Committee: Margaret R. Caldwell, Center for Ocean Solutions/Stanford Law School; Kristin P. Jenkins, Univ. of Wisconsin-Madison/BioQUEST Curriculum Consortium

Council Delegate: Elizabeth K. Stage, UC Berkeley Lawrence Hall of Science

Engineering

Chair Elect: W. Kent Fuchs, Cornell Univ.

Member-at-Large of the Section Committee: Nicholas L. Abbott, Univ. of Wisconsin-Madison

Electorate Nominating Committee: Linda Broadbelt, Northwestern Univ.; David B. Williams, Ohio State Univ.

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General Interest in Science and Engineering

Chair Elect: Dominique Brossard, Univ. of Wisconsin-Madison

Member-at-Large of the Section Committee: Carol Lynn Alpert, Museum of Science, Boston

Electorate Nominating Committee: Robert Lee Hotz, Wall Street Journal; Lisa M. Van Pay, George Washington Univ.

Council Delegate: Sharon M. Friedman, Lehigh Univ.

Geology and Geography

Chair Elect: Maureen E. Raymo, Lamont-Doherty Earth Observatory

Member-at-Large of the Section Committee: Dennis V. Kent, Rutgers Univ.

Electorate Nominating Committee: Jennifer R. Marlon, Yale Univ.; Konrad (Koni) Steffen, Swiss Federal Research Institute/ETH Zürich (Switzerland)

History and Philosophy of Science

Chair Elect: Elliott Sober, Univ. of Wisconsin-Madison

Member-at-Large of the Section Committee: Roberta L. Millstein, Univ. of California, Davis

Electorate Nominating Committee: Heather Douglas, Univ. of Waterloo (Canada); Kristine C. Harper, Florida State Univ.

Industrial Science and Technology

Chair Elect: Sharon C. Glotzer, Univ. of Michigan

Member-at-Large of the Section Committee: Harold H. Kung, Northwestern Univ.

Electorate Nominating Committee: Isaac Cann, Univ. of Illinois at Urbana-Champaign; Michael Tsapatsis, Univ. of Minnesota

Information, Computing, and Communication

Chair Elect: Carla P. Gomes, Cornell Univ.

Member-at-Large of the Section Committee: Justine Cassell, Carnegie Mellon Univ.

Electorate Nominating Committee: Bonnie C. Carroll, Information International Associates (IIA)/CENDI; Susan Landau, Google

Council Delegate: Karen R. Sollins, Massachusetts Institute of Technology

Linguistics and Language Science

Chair Elect: Keren Rice, Univ. of Toronto (Canada)

Member-at-Large of the Section Committee: David Poeppel, New York Univ.

Electorate Nominating Committee: Cecile McKee, Univ. of Arizona; Shari R. Speer, Ohio State Univ.

Council Delegate: Joan Maling, National Science Foundation

Mathematics

Chair Elect: Martin Golubitsky, Ohio State Univ.

Member-at-Large of the Section Committee: Irene Fonseca, Carnegie Mellon Univ.

Electorate Nominating Committee: Harvey Thomas Banks, North Carolina State Univ.; James (Mac) Hyman, Tulane Univ.

Medical Sciences

Chair Elect: Pamela B. Davis, Case Western Reserve Univ. School of Medicine

Member-at-Large of the Section Committee: David M. Sabatini, Massachusetts Institute of Technology

Electorate Nominating Committee: Lisa M. Coussens, Oregon Health & Science Univ.; Jules L. Dienstag, Massachusetts General Hospital/Harvard Medical School

Neuroscience

Chair Elect: Marie-Françoise Chesselet, Univ. of California, Los Angeles

Member-at-Large of the Section Committee: Allan Basbaum, Univ. of California, San Francisco

Electorate Nominating Committee: Diane O'Dowd, Univ. of California, Irvine; Phyllis M. Wise, Univ. of Illinois at Urbana-Champaign

Pharmaceutical Sciences

Chair Elect: Jeanette C. Roberts, Univ. of Wisconsin School of Pharmacy

Member-at-Large of the Section Committee: Donald P. McDonnell, Duke Univ. School of Medicine

Electorate Nominating Committee: Barbara S. Beckman, Tulane Univ. School of Medicine; Melanie S. Joy, Univ. of Colorado School of Medicine and School of Pharmacy

Council Delegate: Barbara N. Timmermann, Univ. of Kansas

Physics

Chair Elect: Eva Andrei, Rutgers Univ.

Member-at-Large of the Section Committee: Lene Vestergaard Hau, Harvard Univ.

Electorate Nominating Committee: Marcela Carena, Univ. of Chicago/Fermilab; John M. Tranquada, Brookhaven National Laboratory

Psychology

Chair Elect: Susan Goldin-Meadow, Univ. of Chicago

Member-at-Large of the Section Committee: Barbara A. (Bobbie) Spellman, Univ. of Virginia/Univ. of Virginia School of Law

Electorate Nominating Committee: Charles A. Nelson III, Harvard Medical School/Boston Children's Hospital; Elizabeth Phelps, New York Univ.

Social, Economic, and Political Sciences

Chair Elect: Maryann P. Feldman, Univ. of North Carolina at Chapel Hill

Member-at-Large of the Section Committee: Paula Stephan, Georgia State Univ.

Electorate Nominating Committee: Stephanie Shipp, Virginia Tech; Howard J. Silver, Consortium of Social Science Associations

Societal Impacts of Science and Engineering

Chair Elect: Francesca T. Grifo, Union of Concerned Scientists

Member-at-Large of the Section Committee: Gerald L. Epstein, U.S. Department of Homeland Security

Electorate Nominating Committee: Maryann P. Feldman, Univ. of North Carolina at Chapel Hill; Tobin L. Smith, Association of American Universities

Council Delegate: Susan Sauer Sloan, National Academies

Statistics

Chair Elect: Sallie Ann Keller, Virginia Tech

Member-at-Large of the Section Committee: Karen Kafadar, Indiana Univ.

Electorate Nominating Committee: Michael Boehnke, Univ. of Michigan; M. Elizabeth (Betz) Halloran, Univ. of Washington/Fred Hutchinson Cancer Research Center

Council Delegate: Linda J. Young, Univ. of Florida/USDA-NASS

Science

AAAS News and Notes

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