

Members of the 2011 Selection Committees

Chemistry

Karen I. Goldberg, University of Washington

Scott J. Miller, Yale University

Mark A. Ratner, Northwestern University

Computational & Evolutionary Molecular Biology

David Baker, University of Washington

Bonnie Berger, MIT

Andrew G. Clark, Cornell University

Computer Science

Alex Aiken, Stanford University

Margo I. Seltzer, Harvard University

Éva Tardos, Cornell University

Economics

Esther Dufló, MIT

Jonathan Levin, Stanford University

Robert Shimer, University of Chicago

Mathematics

Tomasz S. Mrowka, MIT

Karl Rubin, UC Irvine

Margaret H. Wright, New York University

Neuroscience

Dora E. Angelaki, Washington U. in St. Louis

Michael P. Stryker, UC San Francisco

Leslie B. Vosshall, Rockefeller University

Ocean Sciences

Barbara Block, Stanford University

Nancy Knowlton, UC San Diego

Mitchell Sogin, Brown University

Physics

Andrew G. Cohen, Boston University

Evelyn Hu, Harvard University

Ethan T. Vishniac, McMaster University



The ALFRED P. SLOAN FOUNDATION is a not-for-profit foundation based in New York City. Founded in 1934 by Alfred P. Sloan Jr., the Foundation funds original research and broad-based education in science, technology, engineering, mathematics, and economics.

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SLOAN RESEARCH FELLOWSHIPS

chemistry

computer science

economics

mathematics

neuroscience

ocean sciences

physics

computational & evolutionary
molecular biology

NOMINATION DEADLINE

September 15, 2011

The Sloan Research Fellowships

This year the Alfred P. Sloan Foundation will identify 126 early-career scientists and researchers of outstanding promise and award a \$50,000 fellowship to each for use in research. Nominated by department chairs, senior researchers, and other leaders in the scientific community, the Sloan Research Fellows represent the next generation of top scholars in the sciences, economics, and mathematics. Since 1955, when the program began, 38 Sloan Research Fellows have gone on to win Nobel Prizes, 57 have been awarded the National Medal of Science, 17 have won the Fields Medal in mathematics, 11 have won the John Bates Clark medal in economics, and hundreds have received other prizes, recognitions, awards, and honors for their research accomplishments.

Funds from the Sloan Research Fellowships are awarded directly to the fellow's institution and may be used over a two-year period for any activity supportive of the fellow's research, such as equipment, technical assistance, professional travel, or trainee support.

Fields

Sloan Research Fellowships are awarded for research in the following eight fields:

Chemistry (23) **Neuroscience (16)**
Computer Science (16) **Ocean Sciences (8)**
Economics (8) **Physics (23)**
Mathematics (20)
Computational & Evolutionary Molecular Biology (12)

Numbers in parentheses represent annual fellowships awarded in each field. Candidates with appointments in other departments are eligible for nomination.

****Note:** The Selection Committee may make exceptions for candidates who are more than six years from their most recent Ph.D. due to military service, a change of field, or child-rearing responsibilities, or who have held a faculty appointment for less than two years. If any of these circumstances apply, a clear explanation should be included in the candidate's nomination letter.

Eligibility

Candidates for a Sloan Research Fellowship must:

- ▶ Hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics, or a related field;
- ▶ Be members of the regular teaching faculty (i.e., tenure track) of a college, university, or other degree-granting institution in the United States or Canada;
- ▶ Normally, be no more than six years from completion of their most recent Ph.D. or equivalent, as of the year of their nomination.**

Nomination

Candidates must be nominated by department heads or other senior researchers. Direct applications are not accepted. More than one candidate from a department may be nominated, but no more than three.

The following materials must be submitted:

- ▶ A completed nomination form (available online at www.sloan.org/fellowships);
- ▶ A letter from the nominator describing the candidate's qualifications, initiative, and research;
- ▶ Three supporting letters sent directly to the Foundation from other researchers (preferably not all from the same institution);
- ▶ The nominee's curriculum vitae;
- ▶ A list of the nominee's scientific publications;
- ▶ One copy of no more than two representative articles by the nominee;
- ▶ A brief (one-page) statement by the nominee describing his or her significant scientific work and immediate research plans.

Nominated candidates are normally below the rank of associate professor and do not hold tenure, but these are not strict requirements. In keeping with the Alfred P. Sloan Foundation's longstanding support of underrepresented minorities in the sciences, the Foundation strongly encourages the nomination of qualified women and minority candidates.

Nomination Deadline

All nomination materials, including all letters of support, must be postmarked to the Foundation **on or before September 15, 2011**. All nomination materials must be submitted **two ways**: in hardcopy format via mail, and in electronic format via email.

Nomination materials should be mailed to:

*Sloan Research Fellowships
Alfred P. Sloan Foundation
630 Fifth Avenue, Suite 2550
New York, NY 10111-0242*

and emailed (with attachments) to:

researchfellows@sloan.org

Selection

Nominations are reviewed and candidates selected by a committee of distinguished scientists in each eligible field. The committees review more than 600 nominations each year to arrive at a final selection of 126 fellows. Fellows are selected on the basis of their independent research accomplishments, creativity, and potential to become leaders in the scientific community through their contributions to their field.

Notification

Selected candidates are notified in February.

FOR MORE INFORMATION

Web: www.sloan.org/fellowships

Email: researchfellows@sloan.org

Phone: (212) 649-1649