Mathematics Opportunities

American Mathematical Society Centennial Fellowship

Invitation for Applications for Awards for 2018–2019
Deadline December 1, 2017

The AMS Centennial Research Fellowship Program makes awards annually to outstanding mathematicians to help further their careers in research. The number of fellowships to be awarded is small and depends on the amount of money contributed to the program. The Society supplements contributions as needed. At least one fellowship will be awarded for the 2018–2019 academic year. A list of previous fellowship winners can be found at www.ams.org/profession/prizes-awards/ams-awards/centennial-fellow.

**Eligibility:** The eligibility rules are as follows. The primary selection criterion for the Centennial Fellowship is the excellence of the candidate's research. Preference will be given to candidates who have not had extensive fellowship support in the past. Recipients may not hold the Centennial Fellowship concurrently with another research fellowship such as a Sloan or NSF Postdoctoral fellowship. Under normal circumstances, the fellowship cannot be deferred. A recipient of the fellowship shall have held his or her doctoral degree for at least three years and not more than twelve years at the inception of the award (that is, received between September 1, 2006, and September 1, 2015). Applications will be accepted from those currently holding a tenured, tenure track, postdoctoral, or comparable (at the discretion of the selection committee) position at an institution in North America. Applications should include a cogent plan indicating how the fellowship will be used. The plan should include travel to at least one other institution and should demonstrate that the fellowship will be used for more than reduction of teaching at the candidate's home institution. The selection committee will consider the plan, in addition to the quality of the candidate's research, and will try to award the fellowship to those for whom the award would make a real difference in the development of their research careers. Work in all areas of mathematics, including interdisciplinary work, is eligible.

**Deadline:** The deadline for receipt of applications is **December 1, 2017**. The award recipient will be announced in February 2018 or earlier, if possible.

**Application information:** Find Centennial application information at www.ams.org/ams-fellowships. For questions, contact the Professional Programs Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294; prof-serv@ams.org; 401-455-4096.

—AMS Professional Programs Department

AMS Congressional Fellowship

The AMS, in conjunction with the American Association for the Advancement of Science (AAAS), will sponsor a Congressional Fellow from September 2018 through August 2019. The Fellow will spend the year working on the staff of a Member of Congress or a congressional committee as a special legislative assistant in legislative and policy areas requiring scientific and technical input.

The fellowship is designed to provide a unique public policy learning experience, to demonstrate the value of science–government interaction, and to bring a technical background and external perspective to the decision-making process in the Congress.

An AMS Fellowship Committee will select the AMS Congressional Fellow. The fellowship stipend is US$79,720 for the fellowship period, with allowances for relocation and professional travel and a contribution towards health insurance. Applicants must have a PhD or an equivalent doctoral-level degree in mathematics by the application deadline.

For information and to apply, go to bit.ly/AMSCongressionalFellowship. The deadline for applications is **February 15, 2018**.

—AMS Washington Office
AMS-AAAS Mass Media Summer Fellowships

The American Mathematical Society provides support each year for a graduate student in the mathematical sciences to participate in the American Association for the Advancement of Science (AAAS) Mass Media Science and Engineering Fellows Program. This summer fellowship program pairs graduate students with major media outlets nationwide, where they will research, write, and report on science news and use their skills to bring technical subjects to the general public.

The principal goal of the program is to increase the public’s understanding of science and technology by strengthening the connection between scientists and journalists to improve coverage of science-related issues in the media. Past AMS-sponsored fellows have held positions at National Public Radio, Scientific American, Voice of America, The Oregonian, NOVA, the Chicago Tribune, and the Milwaukee Journal Sentinel.

Fellows receive a weekly stipend of US$500, plus travel expenses, to work for ten weeks during the summer as reporters, researchers, and production assistants in newsrooms across the country. They observe and participate in the process by which events and ideas become news, improve their ability to communicate about complex technical subjects in a manner understandable to the public, and increase their understanding of editorial decision making and of how information is effectively disseminated. Each fellow attends an orientation and evaluation session in Washington, DC, and begins the internship in mid-June. Fellows submit interim and final reports to AAAS. A wrap-up session is held at the end of the summer.

Mathematical sciences faculty are urged to make their graduate students aware of this program. Further information about the fellowship program and application procedures is available online at www.aaas.org/programs/education/MassMedia or applicants may contact Rebekah Corlew, Program Director, AAAS Mass Media Science and Engineering Fellows Program, 1200 New York Avenue, NW, Washington, DC 20005; email rcorlew@aaas.org.

Further information is also available at www.ams.org/programs/ams-fellowships/media-fellow/massmediafellow and through the AMS Washington Office, 1527 Eighteenth Street, NW, Washington, DC 20036; telephone 202-588-1100; email amsdc@ams.org. The deadline for applications is January 15, 2018.

—AMS Washington Office

AMS Epsilon Fund

The AMS Epsilon Fund awards grants to summer mathematics programs that support and nurture mathematically talented high school students in the United States. The deadline to apply for funding for summer 2018 programs is December 15, 2017. Applications are now being accepted online at MathPrograms.org. For more information about the program and updated application information, go to www.ams.org/programs/edu-support/epsilon or contact the AMS Professional Programs Department by email at prof-serv@ams.org or by telephone at 800-321-4267, ext. 4096.

—AMS Professional Programs Department

*NSF Graduate Research Fellowships

The National Science Foundation’s Graduate Research Fellowship Program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based master’s and doctoral degrees at US institutions. The NSF welcomes applications from all qualified students and strongly encourages underrepresented racial and ethnic minorities, and persons with disabilities, to apply. Fellows receive a three-year annual stipend of US$34,000, opportunities for international research and professional development, and the freedom to conduct their research at any accredited U.S. institution of graduate education. The deadline for the mathematical sciences is October 27, 2017. For further information, visit www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201.

—From NSF announcements

*Call for Nominations for the Alan T. Waterman Award

The National Science Foundation (NSF) is soliciting nominations for the 2017 Alan T. Waterman Award. The award recognizes an outstanding young researcher in any field of science or engineering supported by the NSF. The award consists of a US$1,000,000 grant over a five-year period for research at the institution of the recipient’s choice. The deadline for nominations is October 21, 2017. Nominations must be submitted at www.fastlane.nsf.gov/honawards/. For more details, see www.nsf.gov/od/watermanwaterman.jsp.

—From an NSF announcement

The most up-to-date listing of NSF funding opportunities from the Division of Mathematical Sciences can be found online at www.nsf.gov/dms and for the Directorate of Education and Human Resources at www.nsf.gov/dir/index.jsp?org=ehr. To receive periodic updates, subscribe to the DMSNEWS listserv by following the directions at www.nsf.gov/mps/dms/about.jsp.
AWM Essay Contest

The Association for Women in Mathematics (AWM) and Math for America cosponsor an annual essay contest for biographies of contemporary women mathematicians and statisticians in academic, industrial, and government careers. Each essay will be based primarily on an interview with a woman currently working in a mathematical sciences career. This contest is open to students in the following categories: Grades 6–8, Grades 9–12, and College Undergraduate. Winners will receive a prize, and their essays will be published online. The deadline for the 2017 AWM Essay Contest is January 31, 2018. AWM is also currently seeking women mathematicians to volunteer as the subjects of these essays. For more information or to sign up as a volunteer, contact the contest organizer, Heather Lewis, at hlewis5@naz.edu. See sites.google.com/site/awmmath/home for complete information.
—AWM announcement

AAUW Educational Foundation Fellowships and Grants

The American Association of University Women (AAUW) has programs supporting women students and scholars at various stages of their careers. Selected Professions Fellowships support women students in areas in which women’s participation has traditionally been low, including computer/information sciences and mathematics/statistics. For further information about the fellowships, application procedures, and deadlines, visit the website www.aauw.org/what-we-do/educational-funding-and-awards

—From AAUW website