
Stipends for Study and Travel

Graduate Support

American Association for the Advancement of Science

Mass Media Summer Fellowship

(AMS supports at least one Fellow per year under this program)

Description: Fellows work for newspapers, magazines, and radio and television stations. Travel expenses and stipends are paid by the AAAS. Fellows have the opportunity to: observe and participate in the process by which events and ideas become news, improve their communication skills by learning to describe complex technical subjects in a manner understandable by the public, and increase their understanding of editorial decision making and the manner in which information is effectively disseminated. Each fellow will: attend an orientation and evaluation session in Washington, DC; begin the 10-week internship in mid-June; and submit an interim and final report to AAAS to help evaluate the program.

Eligibility: Provides support for 20–25 outstanding graduate students in mathematics, the natural and social sciences, and engineering as reporters, researchers, and production assistants in the mass media. (Exceptional undergraduate or postdoctoral students also considered.)

Grant amount: \$450/week stipend for ten weeks.

Deadline: January 15, 2007.

Application information: Stacey Pasco, Manager, Mass Media Program, Mass Media Science and Engineering Fellows Program, American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005; telephone: 202-326-6441; <http://www.aaas.org/programs/education/MassMedia/>.

American Association of University Women (AAUW) Educational Foundation

Selected Professions Fellowships

Description: These fellowships are awarded to women of outstanding academic ability who are citizens or permanent residents of the U.S. for full-time graduate study in designated fields where women's participation has traditionally been low. Eligible fields currently include mathematics and statistics.

Eligibility: Fellowships are for the final year of the master's degree. Fellowship year is July 1–June 30. Degree must be earned at the end of the fellowship year.

Grant amount: \$5,000–\$12,000.

Deadline: Must be postmarked by January 10 (applications are available August 1).

Application information: For more information contact: AAUW Educational Foundation, 2201 Dodge Street, Iowa City, IA 52243-4030; tel: 319-337-1716; or visit our website at <http://www.aaaw.org/>.

The American Society of Naval Engineers

Scholarships

Description: Candidate will be applying for either the last year of a full-time or co-op undergraduate program or one year of graduate study leading to a designated engineering degree or physical science degree in an accredited college or university. A scholarship will not be awarded to a doctoral candidate or to a person already having an advanced degree.

Eligibility: Candidate must be a United States citizen; must have demonstrated or expressed a genuine interest in a career in Naval Engineering, e.g., activity in a professional engineering society and extracurricular engineering activities. Graduate student candidate must be a member of ASNE or SNAME. Candidate's academic record, work history, professional promise, and recommendations of college faculty, employers, and other character references. Financial need may also be considered.

Grant amount: \$2,500 per year for undergraduate student; \$3,500 per year for graduate student.

Deadline: Applications and back-up material: February 15, 2007; <http://www.navalengineers.org>.

Burroughs Wellcome Fund

Career Awards at the Scientific Interface

Description: The complexity inherent in biological research has always provided a fertile field for the development of new mathematical and physical approaches to biological problems. But now, with advances in genomics, quantitative structural biology, and modeling of complex systems, the possibilities for an exciting research career at the interface between the physical/computational sciences and the biological sciences have never been greater. Tackling key problems in biology will require scientists trained in areas such as chemistry, physics, applied mathematics, computer science, and engineering. In recognition of the vital role such cross-trained scientists will play in furthering biomedical science, the Burroughs Wellcome Fund has developed Career Awards at the Scientific Interface. These grants are intended

to foster the early career development of researchers with backgrounds in the physical/computational sciences whose work addresses biological questions and who are dedicated to pursuing a career in academic research. Candidates are expected to draw from their training in a scientific field other than biology to propose innovative approaches to answer important questions in the biological sciences. Examples of approaches include, but are not limited to, physical measurement of biological phenomena, computer simulation of complex processes in physiological systems, mathematical modeling of self-organizing behavior, building probabilistic tools for medical diagnosis, developing novel imaging tools or biosensors, applying nanotechnology to manipulate cellular systems, predicting cellular responses to topological clues and mechanical forces, and developing a new conceptual understanding of the complexity of living organisms. Proposals that include experimental validation of theoretical models are particularly encouraged.

Eligibility: Candidates must hold a Ph.D. degree in the fields of mathematics, physics, chemistry (physical, theoretical, or computational), computer science, statistics, or engineering. Exceptions will be made only if the applicant can demonstrate significant expertise in one of these areas, evidenced by publications or advanced course work. Candidates must have completed at least six months but not more than 48 months of postdoctoral training at the time of application and must not hold or have accepted a faculty appointment as a tenure-track assistant professor at the time of application. These awards are open to U.S. and Canadian citizens or permanent residents. Limited eligibility for temporary residents—please see program deadlines. Institutions may nominate two to three candidates. Up to eleven awards are made annually. **Grant amount:** Career Awards at the Scientific Interface provide \$500,000 over five years to support up to two years of advanced postdoctoral training and the first three years of a faculty appointment. During both the postdoctoral and the faculty periods, grants must be made to degree-granting institutions in the United States or Canada on behalf of the award recipient.

Deadline: May 1, 2007.

Application information: Full application information is available on the Burroughs Wellcome Fund website at <http://www.bwfund.org> or write to Burroughs Wellcome Fund, Interfaces Program, 21 T. W. Alexander Dr., P.O. Box 13901, Research Triangle Park, NC 27709-3901.

Florida Education Fund

The McKnight Doctoral Fellowship Program

Description: A McKnight Doctoral Fellowship provides funds for up to twenty-five African American citizens annually to pursue Ph.D. degrees at participating Florida universities. Contingent upon successful academic progress, the maximum length of the award is five years. The Florida Education Fund provides the first three years, and the student's university continues funding at the same level of support for an additional two years.

Eligibility: Applicants must hold or be receiving a bachelor's degree from a regionally accredited college or university.

Grant amount: Up to \$5,000 in tuition and fees plus an annual stipend of \$12,000. Tuition and fees over \$5,000 will be waived.

Deadline: The deadline for applications for Fall 2007 is January 15, 2007.

Application information: Detailed information and application packets can be obtained by writing or calling: The Florida Education Fund, 201 E. Kennedy Boulevard, Suite #1525, Tampa, FL 33602; 813-272-2772; mdf@fl-educ-fd.org; or visit our website at: <http://www.fefonline.org>.

Ford Foundation Dissertation Fellowships for Minorities

Description: Approximately 40 dissertation fellowships will be awarded in a national competition administered by the National Research Council (NRC) of the National Academies for the Ford Foundation. The awards will be made to those individuals who, in the judgment of the review panels, have demonstrated superior scholarship and show the greatest promise for future achievement as scholars, researchers, and teachers in institutions of higher education.

Eligibility: Available to minorities who are Ph.D. or Sc.D. candidates at U.S. institutions studying mathematics, engineering, or one of several other fields. The fellowships will be offered on a competitive basis to individuals who are citizens or nationals of the U.S. and who are members of the following groups: Alaska Natives (Eskimo or Aleut), Native American Indians, Black/African Americans, Mexican Americans/Chicanas/Chicanos, Native Pacific Islanders (Polynesian or Micronesian), Puerto Ricans.

Application information: For more information, contact: Fellowship Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; email: infofell@nas.edu; website: <http://national-academies.org/fellowships/>.

Ford Foundation Predoctoral Fellowships for Minorities

Description: Approximately 60 predoctoral fellowships will be awarded in a national competition administered by the National Research Council (NRC) of the National Academies for the Ford Foundation. The awards will be made to those individuals who, in the judgment of the review panels, have demonstrated superior scholarship and show the greatest promise for future achievement as scholars, researchers, and teachers in institutions of higher education.

Eligibility: Available to minorities enrolled in or planning to enroll in research-based doctoral programs in mathematics, engineering, and other fields. The fellowships will be offered on a competitive basis to individuals

who are citizens or nationals of the U.S. and who are members of the following groups: Alaska Natives (Es-kimo or Aleut), Native American Indians, Black/African Americans, Mexican Americans/Chicanas/Chicanos, Native Pacific Islanders (Polynesian or Micronesian), Puerto Ricans.

Application information: For more information, contact: Fellowship Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; email: infofell@nas.edu; website: <http://national-academies.org/fellowships/>.

National Academies

Christine Mirzayan Science and Technology Policy Graduate Fellowship Program

Description: The Christine Mirzayan Science and Technology Policy Graduate Fellowship Program of the National Academies is designed to engage graduate and postdoctoral science, engineering, medical, veterinary, business, and law students in science and technology policy and to familiarize them with the interactions between science, technology, and government. As a result, students develop essential skills different from those attained in academia and make the transition from being a graduate student to a professional.

Eligibility: Applications are invited from graduate students through postdoctoral candidates in any physical, biological, or social science field or any field of engineering, medicine/health, or veterinary medicine, as well as business and law education, and other graduate and professional programs.

Grant amount: There are three 10-week sessions per year beginning in January, June, and September. The grant amount is \$4,800 to \$5,300 depending on location.

Deadline: Deadline for the receipt of materials is November 1 for the January program, March 1 for the June program, and June 1 for the September program.

Application information: For program details and a link to the online application, please visit the website at <http://national-academies.org/policyfellows>. For further information, email: policyfellows@nas.edu (preferred) or phone 202-334-2455. Résumés are not accepted.

National Science Foundation

Graduate Research Fellowships

Description: The NSF's Graduate Research Fellowship Program recognizes and supports outstanding graduate students in the relevant science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees. NSF provides three years of financial support which includes a \$30,000 annual stipend, and a \$10,500 annual cost-of-education allowance.

Eligibility: Applicants must be U.S. citizens, nationals, or permanent residents, and at or near the beginning of graduate studies in an NSF-supported field: Chemistry,

Computer and Information Science and Engineering, Engineering, Geosciences, Life Sciences, Mathematical Sciences, Physics and Astronomy, Psychology, and Social Sciences.

Deadline: Applications and deadline information will be available online at <http://www.fastlane.nsf.gov/grfp/>. Deadlines vary by field and applications must be submitted to NSF by the appropriate deadline.

Application information: Please visit <http://www.nsf.gov/grfp> for additional information.

The University of Texas at Austin

Description: Graduate students in mathematics, both new and continuing, are eligible for a variety of fellowships, including the Edward Louis and Alice Laidman Dodd Fellowship, David Bruton Jr. Graduate Fellowships in Mathematics, Regents Endowed Graduate Fellowships in Mathematics, Arthur Lefevre Sr. Scholarship in Mathematics, John L. and Anne Crawford Endowed Presidential Scholarship, H. S. Wall Memorial Scholarship in Mathematics, Charles Rubert Scholarship, and University Fellowships. All participants are automatically considered for each of these fellowships and need not apply separately for them. The Graduate Advisor, in consultation with a faculty committee, decides who will be awarded (or, in the case of University Fellowships, who will be nominated for) these fellowships.

Grant amount: The level of stipends varies from \$1,000 (which entitles one to pay tuition at the in-state rate) to \$34,000.

Application information: Information on our mathematics program can be found at <http://www.ma.utexas.edu>, or contact Graduate Advisor, Mathematics Department, The University of Texas, Austin, TX 78712-1082. For admission to our graduate program, you should use the online application at <http://www.utexas.edu/student/giac>. Applicants admitted to the graduate program must authorize a security sensitive background check.

Zonta International Foundation

Amelia Earhart Fellowship Awards

Description: The Zonta International Amelia Earhart Fellowships were established in 1938 in honor of Amelia Earhart, famed pilot and Zonta club member. The fellowships are granted annually to women pursuing graduate Ph.D./doctoral degrees in aerospace-related sciences and aerospace-related engineering.

Eligibility: To qualify for the fellowship, a woman must have by the time of her application: a bachelor's degree in a qualifying area of science or engineering closely related to advanced studies in aerospace-related science or aerospace-related engineering; a superior academic record and evidence of potential at a recognized institute of higher learning, as demonstrated by transcripts, recommendations, and acceptance or verification by an institute of higher learning with accredited courses in aerospace-related studies; evidence of a well-defined

research program in aerospace-related sciences or engineering; and completion of one year of aerospace-related graduate studies.

Grant amount: The scholarship award of \$6,000 may be used for tuition, books and fees, or living expenses. Awards may be renewed for an additional year by a current fellow.

Deadline: November 15. Announcement of awards will be made by May 15.

Application information: Zonta International Foundation, 557 W. Randolph St., Chicago, IL 60661; tel: 312-930-5848; fax: 312-930-0951; email: Zontafdtn@Zonta.org; website: <http://www.Zonta.org/>.

Postdoctoral Support

Air Force Office of Scientific Research

Research Contracts and Grants

Description: Mathematicians and computer scientists are encouraged to submit through their organizations proposals for research support. Research areas include mathematics of dynamics and control, physical mathematics and applied analysis, computational mathematics, optimization and discrete mathematics, signal processing, probability and statistics, software and systems, intelligent software agents, information fusion, and electromagnetics.

Application information: Research proposals should be forwarded to the Mathematics and Space Sciences Directorate, Air Force Office of Scientific Research (AFOSR/NM), 875 North Randolph Street, Suite 325, Room 3112, Arlington, VA 22203; <http://www.afosr.af.mil>.

American Mathematical Society Centennial Fellowships

Postdoctoral Fellowships

Description: 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 most, two fellowships will be awarded for the 2007-08 academic year. A list of previous fellowship winners can be found at <http://www.ams.org/prizes-awards>.

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, 1995, and September 1, 2004). 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.

Grant amount: The stipend for fellowships awarded for 2007-08 is expected to be \$66,000, with an additional expense allowance of about \$3,500. Acceptance of the fellowship cannot be postponed.

Deadline: The deadline for receipt of applications is December 1, 2006. Awards will be announced in February 2007 or earlier if possible.

Application information: Application forms are available via the Internet at <http://www.ams.org/employment/centflyer.html>. For paper copies of the form write to the Membership and Programs Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294; or send electronic mail to prof-serv@ams.org; or call 401-455-4107. Please note that completed applications and references should be sent to the AMS at the address given above, marked "Centennial Fellowships".

American Philosophical Society

Franklin Research Grants

Description: Postdoctoral research grants to aid specific research projects. The purpose of the program is to connect scholars with the objects of their research. Tenable abroad and in the U.S. The Committee on Research meets in January and in March.

Eligibility: For candidates with Ph.D. for at least one year.

Grant amount: Up to \$6,000. Grants contribute toward travel expenses, food and lodging, and photoduplication. No funds are available for attending conferences or consulting with colleagues.

Deadline: October 1, December 1.

Application information: For application forms please consult the website at <http://www.amphilsoc.org/>. If electronic access is denied, briefly describe your project and proposed budget in a letter to: Committee on Research, American Philosophical Society, 104 South Fifth Street, Philadelphia, PA 19106; or to lmusumeci@amphilsoc.org.

Fields Institute

Postdoctoral Fellowships

Description: Applications are invited for postdoctoral fellowship positions at the Fields Institute in Toronto for the 2007-08 academic year. The thematic program on Operator Algebras will take place at the Institute from August-December 2007, while the thematic program on New Trends in Harmonic Analysis will run from January-June 2008. The fellowships provide for a period of engagement in research and participation in the activities of the Institute. They may be offered in conjunction with partner universities, through which a further period of support may be possible. One recipient will be awarded the Institute's prestigious Jerrold E. Marsden Postdoctoral Fellowship. Applicants seeking postdoctoral fellowships funded by other agencies (such as NSERC or international fellowships) are encouraged to request the Fields Institute as their proposed location of tenure, and should apply to the Institute for a letter of invitation. Funding is being sought from NSF to support junior U.S. participants in these programs.

Eligibility: Qualified candidates who will have recently completed a Ph.D. in a related area of the mathematical sciences are encouraged to apply.

Deadline: December 7, 2006, although late applications may be considered.

Application information: Please consult <http://www.fields.utoronto.ca/proposals/postdoc.html>. The Fields Institute is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

Ford Foundation Postdoctoral Fellowships for Minorities

Description: Approximately 30 postdoctoral fellowships will be awarded in a national competition sponsored by the Ford Foundation and administered by the National Research Council.

Eligibility: U.S. citizens or nationals who are Native American Indian, Mexican American/Chicana/Chicano, Alaska Native (Eskimo or Aleut), Native Pacific Islander (Polynesian or Micronesian), Black/African American, or Puerto Rican and who are currently in or planning a career in teaching and research at the college or university level.

Application information: For further information and applications, contact: Fellowship Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; fax: 202-334-3419; email: infofell@nas.edu; website: <http://national-academies.org/fellowships>.

John Simon Guggenheim Memorial Foundation Fellowships

Description: Fellowships are on an advanced professional level. Approximately 221 awards are made.

Eligibility: U.S. or Canadian citizenship or permanent residence is required. Fellowships are also offered to citizens or permanent residents of Latin America and the Caribbean.

Deadline: Application deadline: October 1 for the U.S. and Canada competition, December 1 for the Latin American and Caribbean competition.

Application information: For more information write to John Simon Guggenheim Memorial Foundation, 90 Park Avenue, New York, NY 10016; tel: 212-687-4470; fax: 212-697-3248; email: fellowships@gf.org; World Wide Web: <http://www.gf.org/>.

Institute for Advanced Study Memberships

Description: The School of Mathematics will grant a limited number of memberships, some with financial support, for research in mathematics at the Institute during the academic year 2007-08.

Eligibility: Candidates must give evidence of ability in research comparable at least with that expected for the Ph.D. degree.

Deadline: December 1, 2006.

Application information: Application blanks may be obtained from The School of Mathematics, Institute for Advanced Study, Princeton, NJ 08540, and should be returned (whether or not funds are expected from some other source) by December 1. Forms may also be downloaded but not submitted via Web connection at <https://applications.ias.edu>. An Equal Opportunity/Affirmative Action Employer.

Institute for Mathematics and its Applications (IMA)

General Memberships

Description: The Institute for Mathematics and its Applications at the University of Minnesota announces the availability of general memberships in connection with its 2007-08 thematic program on *Mathematics of Molecular and Cellular Biology*. General memberships provide an opportunity for mathematicians and scientists employed elsewhere to spend a period of one month to one year in residence at the IMA, and to participate in the 2007-08 thematic program. The residency should fall in the period September 2007 through June 2008 (in special cases extending into the summer months). Logistic support such as office space, computer facilities, and secretarial support will be provided, and local expenses may be provided.

Eligibility: Preference will be given to supplementary support for persons with sabbatical leaves, fellowships, or other stipends. The research interests of General

Members must relate to the thematic program and a doctoral degree is normally expected.

Grant amount: Local expenses and travel costs may be requested.

Deadline: Applications may be submitted at any time until the end of the thematic program, and will be considered as long as funds remain available.

Application information: Application forms and instructions are available at <http://www.ima.umn.edu/docs/membership/current/genmemapp.html>. The IMA website is <http://www.ima.umn.edu>. Questions should be directed to applications@ima.umn.edu or by phone to 612-624-6066. The University of Minnesota is an Equal Opportunity Educator and Employer.

Institute for Mathematics and its Applications (IMA)

Industrial Postdoctoral Fellowships

Description: The Institute for Mathematics and its Applications at the University of Minnesota announces the availability of industrial postdoctoral fellowships. IMA industrial postdoctoral positions are designed to prepare mathematicians for research careers in industry or involving industrial interaction. IMA industrial postdoctoral fellowships run two years starting August 31, 2007. They are funded jointly by the IMA and an industrial sponsor, and holders devote 50% effort to their own research and the IMA program and 50% effort working with industrial scientists.

Eligibility: Documentation of completion of all requirements for a doctoral degree in mathematics or a related area is required by the start of the appointment and within the last three years.

Grant amount: Industrial postdoctoral fellows receive a salary of \$50,000 annually, and a travel allowance.

Deadline: January 5, 2007.

Application information: Application forms and instructions are available at <http://www.ima.umn.edu/docs/postdocapp.html>. The IMA website is <http://www.ima.umn.edu>. Questions should be directed to applications@ima.umn.edu or by phone to 612-624-6066. The University of Minnesota is an Equal Opportunity Educator and Employer.

Institute for Mathematics and its Applications (IMA)

New Directions Visiting Professorships

Description: The Institute of Mathematics and its Applications at the University of Minnesota provides an extraordinary opportunity for established mathematicians—typically mid-career faculty at U.S. universities—to branch into new directions and increase the impact of their research by spending the 2007–08 academic year immersed in the thematic program at the IMA. Visiting professors will enjoy an excellent research environment and stimulating scientific program connecting Molecular and Cellular Biology and related areas of mathematics with a broad range of fields of application.

New Directions Visiting Professors are expected to be resident and active participants in the program but are not assigned formal duties.

Eligibility: Established mathematical scientists normally with permanent U.S. university employment.

Grant amount: The New Directions program will supply 50% of academic year salary up to \$50,000 maximum.

Deadline: November 1, 2006.

Application information: Application forms and instructions are available at <http://www.ima.umn.edu/docs/newdirapp.html>. The IMA website is <http://www.ima.umn.edu>. Questions should be directed to ndprof@ima.umn.edu or by phone to 612-624-6066. The University of Minnesota is an Equal Opportunity Educator and Employer.

Institute for Mathematics and its Applications (IMA)

Postdoctoral Fellowships

Description: The Institute for Mathematics and its Applications at the University of Minnesota announces the availability of postdoctoral fellowships in connection with its 2007–08 thematic program on *Mathematics of Molecular and Cellular Biology*. Postdoctoral fellowships provide an excellent opportunity for mathematical scientists near the beginning of their career who have a background in and/or an interest in learning about applied and computational aspects of Molecular and Cellular Biology. IMA postdoctoral fellowships run one to two years, at the option of the holder, starting August 31, 2007. In the second year of the appointment there are a variety of options to enhance career development, including participation in the 2008–09 academic year program on *Mathematics and Chemistry*, teaching, and working on an industrial project.

Eligibility: Documentation of completion of all requirements for a doctoral degree in mathematics or a related area is required by the start of the appointment and within the last three years.

Grant amount: Postdoctoral fellows receive a salary of \$50,000 annually, and a travel allowance.

Deadline: January 5, 2007.

Application information: Application forms and instructions are available at <http://www.ima.umn.edu/docs/postdocapp.html>. The IMA website is <http://www.ima.umn.edu>. Questions should be directed to applications@ima.umn.edu or by phone to 612-624-6066. The University of Minnesota is an Equal Opportunity Educator and Employer.

Los Alamos National Laboratory

J. Robert Oppenheimer, Richard P. Feynman, and Frederick Reines Distinguished Fellowships

Description: Research opportunities are granted in many areas of chemistry, mathematics, computer science, materials science, biological sciences, environmental science, geoscience, and many engineering fields. Appointments are for three years.

Eligibility: Candidates must be recipients of a doctoral degree within the past five years and must show clear and definite promise of becoming outstanding leaders in scientific research.

Grant amount: Starting salary: \$97,000.

Deadline: Submission deadline for sponsored candidates: mid-October each year.

Application information: Los Alamos National Laboratory is an Equal Opportunity Employer. See details and apply online at: <http://www.hr.lanl.gov/postdoc/>.

Los Alamos National Laboratory

Postdoctoral Appointments and Fellowships

Description: Research opportunities are granted in many areas of chemistry, mathematics, computer science, materials science, biological sciences, environmental science, geoscience, and many engineering fields. Appointments are available for two years, subject to renewal for a third year. A postdoctoral committee meets to review candidates for postdoctoral fellowships in February, May, August, and November.

Eligibility: Candidates must be recipients of a doctoral degree within the past five years.

Grant amount: Starting salary: \$64,500–\$75,500.

Application information: Los Alamos National Laboratory is an Equal Opportunity Employer. For more information: email: postdoc-info@lanl.gov; tel: 505-667-0872; fax: 505-665-5419; see details and apply online at: <http://www.hr.lanl.gov/postdoc/>.

Mathematical Sciences Research Institute (MSRI)

General Memberships

Description: The Institute will invite about 60 General Members for stays of 1 month or more during 2006–07, when three programs will be featured. Two will be half year: *Computational Applications of Algebraic Topology* (August 14 to December 18, 2006), and *Dynamical Systems* (January 8 to May 21, 2007). One will be the full academic year: *Geometric Evolution Equations* (August 14, 2006, to May 21, 2007). Some invitations will be made in other areas, so applications from candidates in all fields are welcome.

Eligibility: For mathematicians postdoctoral and above.

Grant amount: While there is no stipend for General Members, MSRI may offer partial support toward living and travel expenses. It is expected that General Members will visit MSRI with partial or full support from other sources.

Deadline: Files must be complete by December 16, 2006.

Application information: Please complete online application form at: <http://www.mathjobs.org>. Further information: <http://www.msri.org>.

Mathematical Sciences Research Institute (MSRI)

Microsoft Research Postdoctoral Grant

Description: The Mathematical Sciences Research Institute announces the availability of a postdoctoral fellowship combined with an internship at Microsoft Research in Redmond, Washington. Because of the variety of mathematical work done at Microsoft Research, no particular fields of mathematics have been specified. However, an essential prerequisite is a strong interest in the applications of mathematics as well as in the research environment at MSRI. This postdoctoral fellowship is normally a two-year award, with the recipient spending one year at MSRI and the second year at Microsoft Research.

Eligibility: For new and recent Ph.D.'s (Ph.D. earned in 2002 or later). Applicants should apply through the usual process for MSRI Postdoctoral Fellowships, indicating their interest in this internship/fellowship and adding relevant documentation. Applications indicating interest in this program will be reviewed by Microsoft Research as well as by MSRI.

Deadline: Application files must be completed by December 15, 2006. Further information: <http://www.msri.org>.

Application information: Please complete online application form at: <http://www.mathjobs.org>.

Mathematical Sciences Research Institute (MSRI)

Postdoctoral Fellowships

Description: The Mathematical Sciences Research Institute announces the availability of postdoctoral fellowships for a semester or academic year in conjunction with the MSRI research programs: Fall 2006: *Geometric Group Theory, Teichmuller Theory and Kleinian Groups*; Spring 2007: *Combinatorial Representation Theory, Representations of Finite Groups*. Candidates with other interests may also apply for the Complementary Program.

Eligibility: For new and recent Ph.D.'s (earned in 2002 or later). Applicants must apply online at <http://www.mathjobs.org>. Applicants will submit a CV, two letters of reference and a statement of purpose, in which the specific value of a fellowship at MSRI is detailed.

Deadline: Application files must be complete by December 15, 2006.

The Michigan Society of Fellows

Horace H. Rackham School of Graduate Studies, The University of Michigan

Description: The Michigan Society of Fellows was founded in 1970 through grants from the Ford Foundation and Horace H. Rackham Graduate School for the purpose of promoting academic and creative excellence in the arts, sciences, and professions. The objective of the program is to support individuals selected for

outstanding achievement, professional promise, and interdisciplinary interests. We invite applications from qualified candidates for three-year postdoctoral fellowships at the University of Michigan. Fellows are appointed as assistant professors/postdoctoral scholars with departmental affiliations. They spend the equivalent of one academic year teaching; the balance of time is devoted to their own scholarly research and creative work. Applications will be screened by faculty in relevant University of Michigan departments. Final selections will be made by the senior fellows of the society. New fellows will be selected for three-year terms beginning September 2006.

Eligibility: Candidates must have received the Ph.D. degree between June 1, 2004, and September 1, 2007.

Grant amount: The annual stipend will be \$49,635.

Deadline: Completed applications due October 6, 2006.

Application information: Please see the application on our website or send requests for application materials to: Michigan Society of Fellows, 3572 Rackham Building, University of Michigan, 915 E. Washington St., Ann Arbor, MI 48109-1070; tel: 734-763-1259; email: society.of.fellows@umich.edu; Web: <http://www.rackham.umich.edu/Faculty/society.html>.

Michigan State University

MSU Postdoctoral Instructorships

Description: Several two-year positions will be available beginning fall 2006 for new or recent Ph.D.'s who show strong promise in research and teaching. The teaching load is four semester courses per year, and participation in the research activities of the department is expected.

Grant amount: A starting salary of \$43,000 per year. Additional income from summer teaching is usually available if desired.

Deadline: Completed applications (including letters of recommendation) received by November 15, 2006, are assured of consideration.

Application information: Applicants should send a vita and a brief statement of research interests and arrange for at least four letters of recommendation, one of which must specifically address their ability to teach, to be sent to the department. Interested applicants should go to the website at <http://www.mth.msu.edu/hiring> to complete an online application and to find a description of other required application material. Application materials can be addressed to: Hiring Committee, Department of Mathematics, Michigan State University, East Lansing, MI 48824-1027. Women and minorities are strongly encouraged to apply. MSU is an Affirmative Action/Equal Opportunity Institution.

National Center for Atmospheric Research

Advanced Study Program

Description: Postdoctoral fellowships are offered for highly qualified atmospheric scientists and scientists from related disciplines who wish to continue basic research in the atmospheric sciences. Appointments are

for a one-year period with a possible extension for an additional year.

Eligibility: For recent recipients of the Ph.D. Applicant must have received Ph.D. after October 1, 2002.

Grant amount: Stipends are \$48,500 and are adjusted annually in June.

Deadline: The application deadline is January 6, 2006.

Application information: <http://www.asp.ucar.edu>; email: asp-apply@ucar.edu; phone: 303-497-1328; or Advanced Study Program, NCAR, ASP, P.O. Box 3000, Boulder, CO 80307-3000.

National Science Foundation

Mathematical Sciences Postdoctoral Research Fellowships (with Research Instructorship Option)

Description: The stipend portion of the awards will consist of support for eighteen academic-year months or their equivalent and six summer months. Awardees have two options for academic year stipends, subject to the constraints that their academic-year support begin by October 1 of the award year and be configured in intervals no shorter than three consecutive months. An awardee may have full-time support for any eighteen academic-year months in a 3-year period (the Research Fellowship Option) or have a combination of full-time and half-time support over a period of three academic years, usually as one academic year full-time and two academic years half-time (the Research Instructorship Option). Summer month stipends are limited to two per calendar year.

Grant amount: Stipend amounts are \$4,000 per full-time month and \$2,000 per half-time month, plus institutional and special allowances, for a total award of \$108,000 to be used within 48 months.

Deadline: Deadline for applications is October 18, 2006; applicants will be notified of decisions on or about February 8, 2007.

Application information: For further details write to the Mathematical Sciences Infrastructure Program, Division of Mathematical Sciences, Room 1025, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA 22230; call 703-306-1870; send an inquiry to email: msprf@nsf.gov; or under "Postdoctoral Fellowships" and other Programs at <http://www.fastlane.nsf.gov/>.

The NSA Mathematical Sciences Program

Grants for Research in Mathematics

Description: The National Security Agency (NSA) has a grants program, the Mathematical Sciences Program (MSP), that awards grants to colleges and universities in support of self-directed research in the following areas of the mathematical sciences: Algebra, Number Theory, Discrete Mathematics, Probability, and Statistics. The MSP also accepts proposals for modest-sized grants for conferences, workshops, and special academic endeavors. Research grants are intended primarily to provide

summer salary for professors and limited support for their graduate students in the areas listed above.

Deadline: October 15 is the deadline each year for receipt of proposals. Principal Investigators whose proposals have been selected for funding can expect to incur expenses on awards in late fall of the following year.

Application information: For proposal preparation guidelines and other information, please visit our website, <http://www.nsa.gov/msp/index.cfm>. Inquiries should be made to Dr. Michelle D. Wagner, Director, Mathematical Sciences Program, mdwagn4@nsa.gov or to Ms. Rosalie (Jackie) Smith, rjsmit2@nsa.gov, 301-688-0400. Written correspondence and hardcopy proposal submissions should be mailed to Dr. Michelle D. Wagner, Mathematical Sciences Program, Department of Defense, National Security Agency-Suite 6557, Ft. Meade, MD 20755-6557. The address for overnight service is Dr. Michelle D. Wagner, Department of Defense, National Security Agency, ATTN: R1/Suite 6557/301-688-0400, 9800 Savage Road/(SAB 3), Ft. George G. Meade, MD 20755-6557.

National Security Agency

Sabbatical Program

Description: The National Security Agency (NSA) offers the nation's leading mathematicians and computer scientists an opportunity to tour on a sabbatical for a minimum of 9 months to a maximum of 24 months.

Eligibility: U.S. citizenship is required for the sabbatical applicant and his or her immediate family members. Applications should be submitted at least 8 months in advance of the desired starting date. A complete background investigation is required.

Grant amount: NSA pays half the cost of the sabbatical employee's salary and benefits during the academic year and 100% of salary and benefits during summer months. The employee may choose either an allowance for moving expenses or a monthly housing supplement.

Application information: Inquiries should be made to Dr. Michelle D. Wagner, Director, Mathematical Sciences Program, mdwagn4@nsa.gov, or Ms. Rosalie (Jackie) Smith, Program Administrator, rjsmit2@nsa.gov, 301-688-0400. More information is available on our website: <http://www.nsa.gov/msp/index.cfm>. To apply, send cover letter and curriculum vitae to: Mathematical Sciences Program, Department of Defense, National Security Agency-Suite 6557, Ft. Meade, MD 20755-6557.

Radcliffe Institute Fellowship Program

Description: The Radcliffe Institute for Advanced Study is a scholarly community where individuals pursue advanced work across a wide range of academic disciplines, professions, or creative arts. Within this broad purpose, and in recognition of Radcliffe's historic contributions to the education of women, the Radcliffe Institute sustains a continuing commitment to the study of women, gender, and society.

Eligibility: Radcliffe Institute Fellowships are designed to support scholars and scientists of exceptional promise

and demonstrated accomplishment who wish to pursue independent work in academic and professional fields and in the creative arts. Applications are judged on the quality and significance of the proposed project and on the applicant's record of accomplishment and promise. Women and men from across the United States and throughout the world, including developing countries, are encouraged to apply. Proposals are accepted from applicants in any field with the receipt of a doctorate or appropriate terminal degree at least two years prior to appointment or with comparable professional achievement in the area of the proposed project.

Grant amount: Stipends are funded up to \$60,000 for one year, with additional funds for project expenses.

Deadline: Applications must be postmarked by December 4, 2006.

Application information: For more information visit <http://www.radcliffe.edu/>. Write, call, or email for an application: Radcliffe Institute Fellowship Office, 34 Concord Avenue, Cambridge, MA 02138; tel: 617-496-3048; fax: 617-496-5299; or e-mail: science@radcliffe.edu.

Rice University

Griffith Conrad Evans Instructorships

Description: Postdoctoral appointments for two to three years for promising research mathematicians with research interests in common with the active research areas at Rice subject to budgetary authorization. Rice University encourages applications from women and minority group members.

Deadline: Applications received by December 15, 2006, will receive thorough consideration.

Application information: Inquiries and applications should be addressed to: Chairman, Evans Committee, Department of Mathematics, Rice University, 6100 Main St.-MS 136, Houston, TX 77005.

Sloan Foundation

Research Fellowships

Description: Unrestricted grants made to selected university scientists in chemistry, physics, mathematics, computer science, economics, neuroscience or computational and evolutionary molecular biology, or in a related interdisciplinary field. Candidates do not apply, but are nominated by their department chairman or other senior scientists.

Eligibility: Candidates must be members of the regular (i.e., tenure-track) faculty, in the early stage of their academic career, at a recognized college or university in the United States or Canada.

Deadline: Nominations are due by September 15 for awards to begin the following September.

Application information: For information write to the Sloan Research Fellowships, Alfred P. Sloan Foundation, Suite 2550, 630 Fifth Ave., New York, NY 10111; email: stella@sloan.org; Web: <http://www.sloan.org/>.

University of Michigan, Ann Arbor

*Assistant Professorships, and T. H. Hildebrandt
Research Assistant Professorships*

Description: These positions for up to three years are designed to provide mathematicians with favorable circumstances for academic career development in research and teaching. Assistant professorships have a teaching responsibility of two courses per semester; T. H. Hildebrandt positions have a responsibility of one course per semester. These positions may be combined with other postdoctoral fellowships, giving additional reductions in teaching responsibility.

Eligibility: Preference is given to candidates who receive the Ph.D. degree in 2005 or later and who submit a completed application by December 15, 2006.

Grant amount: Salary is competitive, and there are opportunities for supplemental summer salary.

Application information: An application form for these positions, along with a list of current tenured mathematics faculty, is available for download in *Microsoft Word* or *PDF* format. Please provide evidence of teaching excellence. This form may also be obtained by email from math-postdoc-search@umich.edu; or by mail to: Hiring Committee, Department of Mathematics, University of Michigan, 2074 East Hall, 530 Church St., Ann Arbor, MI 48109-1043. The University of Michigan is an Equal Opportunity, Affirmative Action Employer. Women and minorities are encouraged to apply. The University is responsive to the needs of dual career couples.

Deadline: Deadline for applications: December 15, 2006.

Yale University

Josiah Willard Gibbs Instructorships/Assistant Professorships

Description: Offered to men and women with the doctorate who show definite promise in research in pure mathematics. Applications from women and members of minority groups are welcome. Appointments are for two/three years. The teaching load is kept light to allow ample time for research. This will consist of three one-semester courses. Part of the teaching duties over the term of the appointment may consist of a one-semester course at the graduate level in the general area of the instructor's research.

Grant amount: The 2007–08 salary will be at least \$61,000.

Deadline: January 1, 2007.

Application information: Applications are available at <http://www.math.yale.edu/>. Inquiries and application supporting documents should be sent to the Gibbs Committee, Department of Mathematics, Yale University, P.O. Box 208283, New Haven, CT 06520-8283; via email: gibbs.committee@math.yale.edu. Yale University is an Affirmative Action/Equal Opportunity Employer.

Travel and Study Abroad

Alexander von Humboldt Foundation

Research Fellowships

Description: The Humboldt Foundation grants up to 600 Humboldt Research Fellowships annually to highly qualified scholars under the age of 40 holding doctorates, enabling them to undertake long-term periods of research (6–24 months) in Germany. Applications are decided upon by a selection committee which is composed of eminent German scholars from all disciplines. Candidates' academic attainments are the only criterion for selection; there are no limitations in respect to specific countries or subjects.

Eligibility: Application requirements include high academic qualifications, academic publications, a specific research plan, and for humanities scholars a good command of the German language. As part of the Humboldt Research Fellowship Program, U.S. citizens and residents from all disciplines may also apply for these variations: Summer Research Fellowship for U.S. Scientists and Scholars (3 months per year in 3 consecutive years), http://www.humboldt-foundation.de/en/programme/stip_aus/tshp2.htm; 2-year Post-Doctoral Fellowship for U.S. Scientists and Scholars (24 consecutive months), http://www.humboldt-foundation.de/en/programme/stip_aus/tshp1.htm.

Grant amount: Monthly stipends range from 2,100 to 3,000 euros. Family allowances, travel expenses, and language courses are covered by the fellowship.

Deadline: Applications may be submitted at any time; however, the actual selection committees meet in March, July, and November. Applications should be submitted 5 months before the meeting at which the candidate wishes to be considered.

Application information: Interested scholars may contact the Alexander von Humboldt Foundation, Jean-Paul-Str. 12, D-53173 Bonn, Germany; tel: +49-228-833-0; fax: +49-228-833-212; email: select@avh.de; homepage: <http://www.humboldt-foundation.de>; or, American Friends of the Alexander von Humboldt Foundation, 1012-14th Street, NW, Suite 1015, Washington, DC 20005; tel: 202-783-1907; fax: 202-783-1908; email: avh@verizon.net.

Fulbright Teacher Exchange Program

Description: Sponsored by the United States Department of State, this program offers international exchange opportunities for two-year college faculty members and elementary and secondary school teachers and administrators. Currently the program conducts exchanges with over 30 countries in Eastern and Western Europe, Latin America, and Africa. (The list of countries is subject to change.) Most exchanges are for the full academic year; however, some are for a semester or six weeks. In most cases both the U.S. and international teacher remain on the payroll of their respective home institutions. The Fulbright Teacher Exchange Program also offers six- to eight-week summer seminars in Italy and Greece which

are open to four-year and two-year college faculty and teachers (grades 9-12) of Latin, Greek, and the Classics.

Eligibility: Eligibility requirements are U.S. citizenship, fluency in English, a bachelor's degree or higher, three years' full-time teaching/administrative experience, a current full-time teaching/administrative position, approval of school administration, and no participation in a Fulbright Program longer than eight weeks in the last two years. In addition to the general eligibility requirements, each applicant must meet the specific subject, level, and language fluency requirements for the countries to which he/she applies; these requirements are detailed in the application booklet.

Deadline: The application deadline is October 15 for the following year's program.

Application information: The application booklet should be requested from the Fulbright Teacher Exchange Program, 600 Maryland Ave., SW, Room 320, Washington, DC 20024-2520; tel: 800-726-0479.

Marshall Scholarships

Description: Marshall Scholarships finance young Americans of high ability to study for a degree in the United Kingdom. The scholarships are tenable at any British university and cover two years of study in any discipline, at either undergraduate or graduate level, leading to the award of a British university degree.

Eligibility: Open only to United States citizens who (by the time they take up their scholarship) hold a first degree from an accredited four-year college or university in the United States with a minimum GPA of 3.7. To qualify for awards tenable from September 2007, candidates must have graduated from their undergraduate college or university after April 2004 (although this restriction may be waived in the case of those wishing to read business studies or an allied subject). N.B. Persons already studying for or holding a British degree or degree-equivalent qualification are **not** eligible to apply for a Marshall Scholarship.

Deadline: October 5, 2006 (although some universities might have earlier internal application deadlines), to commence the following September.

Application information: The application process is all online, interested parties should visit: <http://www.marshallscholarship.org>. For further information please contact your local British Consulate General: Atlanta, 404-954-7708; Boston, 617-245-4513; Chicago, 312-970-3811; Houston, 713-659-3275, ext. 2118; Los Angeles, 310-996-3028; New York, 212-745-0252; San Francisco, 415-617-1340; Washington, DC, 202-588-7844.

U.S. Department of State Fulbright U.S. Student Program

Fulbright and Related Grants for Graduate Study, Research, and Teaching Assistantships Abroad

Description: For graduate study or research in any field in which the project can be profitably undertaken abroad, or English teaching assistantships in many countries. If an applicant is already enrolled in a U.S. university, he must apply directly to the Fulbright Program adviser on

his campus. Unenrolled students may apply directly to the Institute of International Education.

Eligibility: Applicant must be a U.S. citizen, hold a B.A. degree or the equivalent, and have language proficiency sufficient to carry out the proposed study and to communicate with the host country.

Deadline: Application deadline is October 20.

Application information: Further details may be obtained from the U.S. Department of State Fulbright U.S. Student Program, U.S. Student Programs Division, Institute of International Education, 809 United Nations Plaza, New York, NY 10017; tel: 212-984-5330; website: <http://www.fulbrightonline.org>.

Winston Churchill Foundation of the United States

Description: A scholarship program for graduate work for one year in engineering, mathematics, and science at Churchill College, Cambridge University.

Grant amount: Tuition and living allowance worth approximately \$40,000, depending upon course of study.

Application information: Application forms are available from representatives on campuses of colleges and universities participating in the program. For further information write to the Winston Churchill Foundation, 600 Madison Avenue-16th Floor, New York, NY 10022-1615. Tel: 212-752-3200 or see foundation homepage: <http://www.winstonchurchillfoundation.org>.

Study in the U.S. for Foreign Nationals

American Association of University Women (AAUW) Educational Foundation *International Fellowships*

Description: These are awarded to women of outstanding academic ability who are not citizens or permanent residents of the U.S. for full-time graduate or postgraduate study in the U.S. Six of the 57 awards are available to members of the International Federation of University Women to study in any country other than their own. Upon completion of studies, fellowship recipients are expected to return to their home countries to pursue professional careers. Previous and current recipients of AAUW fellowships are not eligible.

Eligibility: Applicants must hold the equivalent of a U.S. bachelor's degree by December 31.

Grant amount: The fellowships provide \$18,000 for master's/first professional degree, \$20,000 for predoctoral study, and \$30,000 for postdoctoral study.

Deadline: The deadline is December 15 (postmark deadline). *If an application postmark deadline falls on a weekend or holiday, applications may be postmarked the next business day.

Application information: For more information contact: AAUW Educational Foundation, P.O. Box 4030, Iowa City, IA 52243-4030; tel: 319-337-1716; fax: 319-337-1204.