



Faculty Fellowships

Sciences

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American Association for the Advancement of Science

L'Oréal USA Fellowships for Women in Science

Deadline: Expected February 2020

Awards: \$60K

The L'Oréal USA For Women in Science fellowship program awards five women postdoctoral scientists annually with grants for their contributions in Science, Technology, Engineering and Math (STEM) fields and commitment to serving as role models for younger generations. The research described in the applicant's Research Proposal must be involved in the life, physical/material sciences, engineering, technology, computer science and/or mathematics fields. Candidates holding a Ph.D., D.P.H., or Sc.D. are eligible to apply. [Link](#)

American Chemical Society - Petroleum Research Fund

The Petroleum Research Fund is an endowed fund, managed by the American Chemical Society that supports fundamental research directly related to petroleum or fossil fuels at nonprofit institutions (generally colleges and universities) in the United States and other countries. ACS Petroleum Research Fund (ACS PRF) grants are intended as seed money to enable an investigator to initiate a new research direction. Fundamental research is currently supported in chemistry, the earth sciences, chemical and petroleum engineering, and in related fields such as polymers and materials science.

The goals of the American Chemical Society Petroleum Research Fund are to support fundamental research in the petroleum field and to develop the next generation of engineers and scientists through support of advanced scientific education. [Link](#)

New Directions Grant Program

Deadline: October 18, 2019

Awards: \$110K over 2 years

The New Directions (ND) grants program provides funds to scientists and engineers with limited—or even no—preliminary results for a research project they wish to pursue, and who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures.

A "new research direction" is something different from previous research performed by the lead principal investigator (lead PI). But, it may involve a field of science or engineering in which others are already working. Therefore, the proposed research should not be in the same direction as—or overlap with—current projects in the lead PI's research group. Excluded from consideration will be: Lead PIs who have had previous support or current funding for the project, and Proposals presenting ideas that are a logical extension of ongoing research from the lead PI's laboratory. Approximately 75 grants are awarded each year. [Link](#)

Doctoral New Investigator (DNI) Grants

Deadline: October 18, 2019

Awards: \$110K over 2 years

DNI Grants provide start-up funding for scientists and engineers in the United States who are within the first three years of their first academic appointment at the level of Assistant Professor or the equivalent. Applicants may have limited or no preliminary results for a research project they wish to pursue, with the intention of using the preliminary results



obtained to seek continuation funding from other agencies. The DNI grants are to be used to illustrate proof of principle or concept, to test a hypothesis, or to demonstrate feasibility of an approach.

The DNI grants program is seeking investigator-initiated, original research across the spectrum of our mission. Original research is defined as being different from that performed previously by the PI as part of their graduate or postdoctoral studies. Excluded from consideration are proposals in which the ideas being presented are a mere extension of research from the PI's graduate or postdoctoral experience. Research projects must be unique. Although a PI may send the same proposal to more than one agency, PRF will not support a project having overlap, or partial overlap, with research funded by another agency. Approximately 75 grants are awarded each year. [Link](#)

Undergraduate New Investigator Grants

Deadline: October 18, 2019

Awards: \$55K over 2 years

Undergraduate New Investigator (UNI) grants provide funds for scientists and engineers who are beginning their independent careers in academia and have limited or no preliminary results for a research project they wish to pursue. The UNI grants are to be used to illustrate proof of principle (i.e., feasibility) and accordingly, are to be viewed as seed money for generating preliminary results that can be used to apply for continuation funding from other agencies. Eligibility for a UNI grant requires that a PI is in a department without a doctoral program in the United States and that the students receiving stipends for the work to be done are undergraduates (M.S.-level students can also be supported provided one or more undergraduates are also supported from this grant). Accordingly, the research being proposed need not be high risk, but should be of publishable quality. The research opportunities afforded must be of the highest caliber and provide a compelling educational experience for the student. Excluded from consideration are proposals which are a mere extension of research from the PI's graduate or postdoctoral experience. Approximately 25 grants are awarded each year. [Link](#)

Undergraduate Research Grants

Deadline: October 18, 2019

Awards: \$70K over 3 years

The Undergraduate Research (UR) grants program provides funding for scientists and engineers with established programs of research at non-doctoral departments. UR grants are used to illustrate proof of principle (i.e., feasibility) and accordingly, are to be viewed as seed money for generating preliminary results that can be used to apply for continuation funding from other agencies. Applicants may have limited or no preliminary results for a research project they wish to pursue. Eligibility for a UR grant requires that a PI is in a department without a doctoral program, and that the students receiving stipends for the work to be done are undergraduates (M.S.-level students can also be supported only if one or more undergraduates are also supported from this grant). Accordingly, the research being proposed need not be high risk, but should be of publishable quality. The research opportunities afforded must be of the highest caliber, and provide a compelling educational experience for the student. Approximately 25 grants are awarded each year. [Link](#)

Camille and Henry Dreyfus Foundation

The Camille Dreyfus Teacher-Scholar Awards Program

Deadline: February 6, 2020

Awards: \$100K unrestricted research grant

The Camille Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. Criteria for selection include an independent body of scholarship attained in the early



years of their appointment, and a demonstrated commitment to education, signaling the promise of continuing outstanding contributions to both research and teaching. The Camille Dreyfus Teacher-Scholar Awards Program is open to academic institutions in the States, Districts, and Territories of the United States of America that grant a bachelor's or higher degree in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Nominees must hold a full-time tenure-track academic appointment, and are normally expected to have been appointed no earlier than mid-year 2014. Awardees are from Ph.D. granting departments in which scholarly research is a principal activity. [Link](#)

Henry Dreyfus Teacher-Scholar Awards Program

Deadline: May 14, 2020

Awards: \$75K unrestricted research grant

The Henry Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching. The Henry Dreyfus Teacher-Scholar Awards Program is open to academic institutions in the States, Districts, and Territories of the United States of America that grant a bachelor's or master's degree in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Awardees are typically in departments that do not grant a doctoral degree. [Link](#)

Charles Kaufman Foundation

The Kaufman Foundation will award annual research grants to Pennsylvania universities to carry out fundamental research in the areas of biology, chemistry and physics. [Link](#)

New Investigator Research Grants

Deadline: Expected April 2020

Awards: \$150K over two years

The goal of the New Investigator Research Grants is to provide research support for innovative basic scientists in Pennsylvania as they transition into an academic position as a new independent investigator. Proposals are required to address basic (fundamental, pure) questions addressing core principles in biology, physics and chemistry or at the disciplinary boundaries between these fields. Faculty must have received a higher degree (Ph.D. or equivalent within the past eight years and have a full-time tenure track appointment at the rank of assistant or associate professor without tenure. Six awards at a maximum will be awarded. [Link](#)

New Initiative Research Grants

Deadline: Expected April 2020

Awards: \$300K over two years

The goal of the New Initiative Research Grants is to stimulate existing investigators with strong records of research accomplishments to establish collaborations that facilitate innovative interdisciplinary approaches towards a common research question and that require expertise beyond that of any single researcher. Investigators may be at different institutions or in the same department and institution, provided that different approaches are combined to address a new research initiative. Proposals are required to address basic (fundamental, pure) questions addressing core principals in biology, physics and chemistry or at the disciplinary boundaries between these fields. Investigators must have a full-time tenured or tenure-track appointment. A maximum of four awards are expected. [Link](#)



Department of Energy (DOE)

Visiting Faculty Program

Deadline: Expected January 2020

Awards: \$13K for faculty stipends

The Department of Energy's Visiting Faculty Program (VFP), formerly known as the Faculty and Student Teams (FaST) seeks to increase the research competitiveness of faculty members and their students at institutions historically underrepresented in the research community in order to expand the workforce vital to the DOE mission areas. As part of the program, selected university/college faculty members collaborate with DOE laboratory research staff on a research project of mutual interest. Selected faculty and participating students spend 10 weeks (Summer Term) at a DOE national laboratory engaged in a research project under the guidance of a laboratory scientist. Faculty members build collaborative relationships with DOE research scientists, become familiar with DOE sponsored research programs, scientific user facilities, and potential funding opportunities. Students participate in enrichment activities, including career professional development workshops (e.g. technical and scientific writing skills development, poster, or oral presentation activities, etc.), laboratory tours, scientific lectures and seminars. Faculty members may invite up to two student participants, one of which may be a graduate student. [Link](#)

National Aeronautics and Space Administration (NASA)

Glenn Faculty Fellowship Program

Deadline: Expected January 2020

Awards: \$15K for an Assistant Professor; \$17K for an Associate Professor; and \$19K for a Full Professor

The 10-week 2019 NASA Glenn Faculty Fellowship Program (NGFFP) is a residential research program that is open to full-time science, technology, engineering, and mathematics (STEM) faculty members who are U.S. citizens teaching at accredited U.S. universities and colleges. An NGFFP award is for one summer residency at Glenn Research Center (GRC) in Cleveland, OH. The NGFFP seeks to: enhance faculty professional knowledge via cutting-edge research at GRC; stimulate faculty-Glenn exchange of ideas; enrich the research and teaching at US academic institutions by infusing NASA mission-related research and technology content into classroom teaching; and contribute to in-house research, technology and engineering work and objectives of GRC, towards advancing the NASA mission. [Link](#)

National Institutes of Health (NIH)

Academic Research Enhancement Award (AREA) Program (R15)

Deadline: Standard Dates: February 25, June 25, and October 25; AIDS-related Research: May 7, September 7, and January 7

Awards: Up to \$300K over three years

The purpose of the Academic Research Enhancement Award (AREA) program is to stimulate research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. AREA grants create opportunities for scientists and institutions otherwise unlikely to participate extensively in NIH research programs to contribute to the Nation's biomedical and behavioral research effort. AREA grants are intended to support small-scale research projects proposed by faculty members of eligible, domestic institutions, to expose undergraduate and/or graduate students to meritorious research projects, and to strengthen the research environment of the applicant institution. [Link](#)



Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15)

Deadline: Standard Dates: February 25, June 25, and October 25; AIDS-related Research: May 7, September 7, and January 7

Awards: Up to \$300K over three years

The purpose of the Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools is to stimulate basic and clinical research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. REAP grants create opportunities for scientists and health professional institutions otherwise unlikely to participate extensively in NIH research programs to contribute to the Nation's biomedical and behavioral research effort. REAP grants are intended to support small-scale research projects proposed by faculty members of eligible, domestic institutions, to expose undergraduate and/or graduate students at health professional schools or graduate schools to meritorious research projects, and to strengthen the research environment of the applicant institution. [Link](#)

National Science Foundation (NSF)

Faculty Early Career Development (CAREER) Program

Deadline: Expected July 2020

Award: Minimum CAREER award size is expected to be \$400K, including indirect cost or overhead for a five-year period. BIO, ENG, PLR, expected minimum of \$500K for the five-year duration

The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. NSF encourages submission of CAREER proposals from eligible early-career faculty at all CAREER-eligible organizations, especially women, members of underrepresented minority groups, and persons with disabilities. NSF anticipates making 450 awards per year. [Link](#)

Research in Undergraduate Institutions (RUI)

Deadline: Submission deadlines vary by program. Look at the NSF website for the disciplinary directorate's deadline.

Awards: The annual award size of individual investigator RUI projects has ranged between \$75K and several hundred thousand dollars, although some awards are higher.

The RUI opportunity aims to: (1) support high-quality research by faculty at predominantly undergraduate institutions (PUI); (2) strengthen the research environment in academic departments that are primarily oriented toward undergraduate instruction; and (3) promote the integration of research and education of undergraduate students. The overriding purpose of RUI is to support faculty research, thereby maintaining faculty members' intellectual vibrancy in the classroom and within their research community, although the involvement of undergraduate students in research is an important feature of RUI. RUI awards augment the educational strengths of primarily undergraduate institutions by providing students with research-rich learning environments. NSF estimates making 200 RUI awards per year. [Link](#)

The National Academies of Science, Engineering, and Medicine

Jefferson Science Fellowship

Deadline: October 31, 2019



Award: The Fellow receives a stipend or per diem allowance of approximately \$50K to cover local living expenses and a \$10,000 travel budget for fellowship-related travel.

The National Academies of Sciences, Engineering, and Medicine administers the Jefferson Science Fellowship (JSF) program. The JSF is open to tenured, or similarly ranked, faculty from U.S. institutions of higher learning who are U.S. citizens. Jefferson Science Fellows spend one year on assignment at the U.S. Department of State or USAID contributing to the work of foreign policy or international development issues. Assignments are tailored to the needs of the hosting office, while taking into account the Fellows' interests and areas of expertise. Following the fellowship year, Fellows will return to their academic career but remain available to the U.S. government as experienced consultants for short-term projects. [Link](#)

Research Associate Programs

Deadline: February 1; May 1; August 1; November 1

Awards: Annual stipends ranging from \$45K to \$80K for recent doctoral recipients and are proportionally higher for Senior Associates

The National Academies of Sciences, Engineering, and Medicine administers competitive postdoctoral and senior research awards on behalf of U.S. federal research agencies and affiliated institutions with facilities at over 100 locations throughout the U.S. and abroad. Awardees have the opportunity to: conduct independent research in an area compatible with the interests of the sponsoring laboratory; devote full-time effort to research and publication; access the excellent and often unique facilities of the federal research enterprise; and collaborate with leading scientists and engineers at the sponsoring laboratories. Awards are available for scientists and engineers at all stages of their career. Applicants should hold, or anticipate receiving, an earned doctorate in science or engineering. [Link](#)

Research Corporation for Science Advancement

Cottrell Scholar Award

Deadline: Expected Pre-proposal deadline: May 2020; Expected Full Proposal Deadline: July 2020

Awards: \$100,000 over 3 years

The Cottrell Scholar (CS) program champions the very best early career teacher-scholars in chemistry, physics and astronomy by providing significant discretionary awards for research. The Cottrell Scholar Award (CSA) is available to early career faculty at US research universities and primarily undergraduate institutions. Eligible applicants are tenure-track faculty members who hold an appointment in a chemistry, physics or astronomy department that offers bachelor's and/or graduate degrees in the applicant's discipline. [Link](#)

Simons Foundation

Fellows in Mathematics

Deadline: September 26, 2019

Awards: A Simons Fellowship in Mathematics provides salary replacement for up to 50 percent (up to a maximum of \$100K) of the Fellow's current academic-year salary, whether normally paid over 9 or 12 months, and up to \$10K for expenses related to the leave. The Fellow's home institution will receive *an additional* 20 percent overhead on allowable expenses.

The Simons Foundation's Mathematics and Physical Sciences (MPS) division invites applications for the Simons Fellows in Mathematics program, which is intended to make sabbatical leaves more productive by extending them to a full academic



year. Research leaves from classroom teaching and administrative obligations can provide strong intellectual stimulation and lead to increased creativity and productivity in research. Awards will be based on the applicant's scientific accomplishments in the five-year period preceding the application and on the potential scientific impact of the work to be done during the leave period. [Link](#)

Fellows in Theoretical Physics

Deadline: September 26, 2019

Awards: A Simons Fellowship in Theoretical Physics provides salary replacement for up to 50 percent (up to a maximum of \$100K) of the Fellow's current academic-year salary, whether normally paid over 9 or 12 months, and up to \$25K for expenses related to the leave. The Fellow's home institution will receive *an additional* 20 percent overhead on allowable expenses.

The Simons Foundation's Mathematics and Physical Sciences (MPS) division invites applications for the Simons Fellows in Theoretical Physics program, which is intended to make sabbatical leaves more productive by extending them to a full academic year. Research leaves from classroom teaching and administrative obligations can provide strong intellectual stimulation and lead to increased creativity and productivity in research. Awards will be based on the applicant's scientific accomplishments in the five-year period preceding the application and on the potential scientific impact of the work to be done during the leave period. [Link](#)

Collaboration Grants for Mathematicians

Deadline: Expected February 2020

Awards: Each collaboration grant provides \$8.4K per year for five years: \$6K per year for collaboration, travel and research expenses for the awardee; \$1K per year in discretionary funds for the awardee's department; and \$1.4K per year in indirect costs to the awardee's institution.

The Simons Foundation's Mathematics and Physical Sciences division invites applications for Collaboration Grants for Mathematicians to stimulate collaboration in the field primarily through the funding of travel and related expenditures. The goal of the program is to substantially increase collaborative contacts between accomplished, active mathematicians in the United States, who do not otherwise have access to funding that allows support for travel and visitors. Awards will be based on the quality and significance of the applicant's previous research and on the likely impact the collaboration grant will have on future research, both for the applicant and the applicant's graduate students and/or postdoctoral fellows. Other criteria include publication in high-quality journals, the applicant's current and recent Ph.D. students, and the applicant's travel goals and general research activity. [Link](#)

Collaborations in Mathematics and the Physical Sciences

Deadline: LOIs are due October 3, 2019; Full Proposals are due February 13, 2020

Awards: \$2M per year for four years

The aim of the Simons Collaborations in MPS program is to stimulate progress on fundamental scientific questions of major importance in mathematics, theoretical physics, and theoretical computer science. A Simons Collaboration in MPS should address a mathematical or theoretical topic of fundamental scientific importance, where a significant new development creates a novel area for exploration or provides a new direction for progress in an established field. The questions addressed by the collaboration may be concrete or conceptual, but there should be little doubt that answering them would constitute a major scientific milestone. The project should have clearly defined initial activities and goals by which their progress and success can be measured. The support from the foundation should be seen as critical for the objectives of the project. The project should involve outstanding researchers with a range of career stages. Excellence of the scientific leadership is one of the main criteria in the selection process. The project should be organized and managed in a manner engendering a high level of collaboration. [Link](#)



Targeted Grants in Mathematics and Physical Sciences

Deadline: Rolling

Awards: The funding level and duration is flexible, can be up to five years, and should be appropriate based on the type of support requested in the proposal. There is no recommended or assumed funding level for this program.

This program is intended to support high-risk theoretical mathematics, physics and computer science projects of exceptional promise and scientific importance on a case-by-case basis. While there are no fixed guidelines, projects at the single- or few-PI scale that might be funded by federal agencies would not normally be considered under the Targeted Grants in MPS program. The emphasis of the program is theory, but projects with some experimental components may be considered. [Link](#)

AMS-Simons Travel Grants

Deadline: Expected March 2020

Awards: \$4K over a two-year period to support travel

The AMS-Simons Travel Grants are administered by the AMS with support from the Simons Foundation. Each grant provides an early-career mathematician with \$2,000 per year for two years to be used for research-related travel. Applicants must be located in the United States (or be U.S. citizens employed outside the U.S.) and must have completed the PhD within the last four years. The department of the awardee will also receive a small amount of funding to help enhance its research environment. Individuals must have earned a PhD degree (or its equivalent) within four years of the grant start date in order to be eligible. [Link](#)

The Smithsonian Institution

Fellowship Program

Deadline: November 1, 2019

Awards: Funding allowances are: \$7.5K over ten weeks for graduate student fellowships; \$36K over three to twelve months with a research allowance up to \$4K for predoctoral fellowships; \$50.4K per year over three to twenty-four months with a \$4K research allowance for postdoctoral fellowships and senior fellowships

The Smithsonian Institution Fellowship Program offers opportunities for independent research or study related to Smithsonian collections, facilities, and/or research interests of the Institution and its staff. Fellowships are offered to graduate students, predoctoral students, and postdoctoral and senior investigators to conduct independent research and to utilize the resources of the Institution with members of the Smithsonian professional research staff serving as advisors and hosts. [Link](#)

