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Faculty Fellowships

Sciences

American Chemical Society Petroleum Research Fund New Directions (ND) Grants

Deadline: September 8, 2023

Awards: $125K 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.

One co-principal investigator (co-PI) is permitted on an ND grant proposal. The proposed research does not have to be a new direction of research for the co-PI. However, the co-PI must meet all other eligibility criteria as if he/she were the lead PI, and provide the same information requested of the lead PI in the application. The lead PI (who should be denoted as such) and his/her institution (designated as the grantee institution) would subcontract the co-PI through the co-PI's institution. Any number of collaborators may participate on the project. However, no funds from the ND grant may be used to support the collaborators or their respective students.

Excluded Charges: No overhead costs may be charged, which includes secretarial and/or administrative salaries. Funds may not be used to support laboratory technicians, contractors, consultants, or visiting faculty.

Principal Investigator Stipend: Only principal investigators in the United States may request summer stipend support. The maximum amount for summer stipend support for both PIs combined (lead and co-) is $8,000 per grant year, including fringe benefits, up to a maximum of $16,000. This limit does NOT change as a result of time extensions.

Support of Students: Total student support must be at least 60% of the grant budget. Students are defined as graduate students, undergraduates, and/or postdoctoral fellows. Student support categories include stipends/salaries/benefits, graduate tuition, and Field Work. Field Work expenses may include transportation, lodging, etc. and must be described in the budget justification. Funds budgeted for a student at one of the three levels may subsequently be shifted to student support at a different level without prior approval from ACS PRF, but may not be shifted out of student support.

Travel: A maximum of $2,000 per grant year, or $4,000 total, may be used for conference travel for the PIs and their students. This limit does NOT change as a result of time extensions. Support of student travel to scientific meetings is encouraged. There are no restrictions on foreign travel. Note that scientific work performed away from the home institution is considered field work and is budgeted separately.

Capital Equipment: Requests for capital equipment on type ND grant proposals are discouraged. However, a limited amount of capital equipment funds (≤ $5,000) may be included in the proposed budget, with justification and description of institutional cost-matching (if any) in the budget justification. Link

American Chemical Society Petroleum Research Fund Doctoral New Investigator (DNI) Grants

Deadline: September 8, 2023

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

American Chemical Society Petroleum Research Fund Undergraduate New Investigator Grants

Deadline: September 8, 2023

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

American Chemical Society Petroleum Research Fund Undergraduate Research Grants

Deadline: September 8, 2023

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 1, 2024

Awards: $100K unrestricted research grant over 5 years. Of the total amount, $7,500 may be allocated for departmental expenses associated with research and education.

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: August 3, 2023

Awards*:* $75K unrestricted research grant over 5 years. Of the total amount, $5,000 may be allocated for departmental expenses associated with research and education.

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

Department of Energy (DOE)

Visiting Faculty Program

Deadline: October 4, 2023

Awards: $16K 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 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

National Science Foundation (NSF)

Faculty Early Career Development (CAREER) Program

Deadline: Expected July 24, 2024, Fourth Wednesday in July, Annually Thereafter

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 500 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: Applications open August 1, 2023 and MOU deadline October 17,2023

Award: The Fellow receives a stipend or per diem allowance of approximately $55K 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: Proposal Deadline: July 1, 2023

Awards: $120,000 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. For the 2023 proposal cycle, eligibility is limited to faculty members who started their first tenure-track appointment anytime in calendar year 2020. Accommodations are made for faculty who have taken maternity or paternity leave, or who have experienced medical conditions or research delays that prompted a tenure clock extension. Link

Simons Foundation

Fellows in Mathematics

Deadline: September 27, 2023

Awards: A Simons Fellowship in Mathematics provides salary replacement for up to 50 percent (up to a maximum of $125K) 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

Collaborations in Mathematics and the Physical Sciences

Deadline: LOIs are due Nov 1, 2023; Full Proposals are due February 21, 2024

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 (LOI submission required)

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: $6K 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 $3,000 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

Awards: Funding allowances are: $57K per year for senior and postdoctoral, plus a research allowance of up to $5k; $ to $4K for predoctoral fellowships; $62K per year for Earth and Planetary Sciences Senior and Postdoctoral, plus a research allowance of up to $5K.

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