



External Faculty Early Career Awards – Physical Sciences and Engineering



| Agency/Award | Deadline | Synopsis |
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| Air Force Office of Scientific Research Young Investigator Research Program | June 1 | These awards foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities to recognize the Air Force's mission and challenges in science and engineering. Each award will be funded at the \$120,000 level for three years. |
| Alfred P. Sloan Foundation Sloan Research Fellowships | September 15, 2016 | Candidates must hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics, or a related field and normally be no more than six years from completion of their most recent Ph.D. (or equivalent) as of the year of their nomination. Candidates must be nominated by a department head or other senior researcher. |
| American Chemical Society Arthur C. Cope Early Career Scholar Awards | November 1 | Cope awards provide a \$40,000 unrestricted research grant to two scholars annually who have less than ten years of experience since their terminal degree. The award recognizes and encourages excellence in organic chemistry. |
| American Chemical Society Undergraduate New Investigator (UNI) Grants | October 21, 2016 | UNI grants provide funds for scientists from non-doctoral departments who are beginning their independent careers in academic 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. Awards are for \$55,000 over two years. |

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| American Mathematical Association Centennial Fellowships | December 1, 2016 | One-year fellowships are awarded for excellence in mathematical research. Stipends are approximately \$91,000, with an additional expense allowance of about \$9,100. Recipients shall have held the doctoral degree for at least three years and not more than twelve years at the inception of the award. |
| American Society for Mass Spectrometry Research Awards | November 30 | Academic scientists within four years of joining tenure-track faculty are eligible for awards of \$35,000 for research in mass spectrometry. |
| Army Research Office Young Investigator Program | November 4, 2016 | ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment, have begun their first appointment on or after 04 November 2011, and who show exceptional promise for doing creative research. It is anticipated that individual awards will be up to \$170,000 per year for 3 years. |
| Camille and Henry Dreyfus Foundation, Inc. Henry Dreyfus Teacher-Scholar Award | May 18 | This award 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 and is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching. The award provides an unrestricted research grant of \$60,000. |
| Defense Advanced Research Projects Agency Young Faculty Award | Annual announcement posted on Grants.gov between November and February | The YFA program provides funding, mentoring and industry and DoD contacts to awardees early in their careers so they may develop their research ideas in the context of DoD needs. The program focuses on untenured faculty, emphasizing those without prior DARPA funding. The long-term goal of the YFA program is to develop the next generation of academic scientists, engineers and mathematicians in key disciplines who will focus a significant portion of their careers on DoD and national security issues. |

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| Department of Defense Congressionally Directed Medical Research Programs New Investigator Awards | Varies by program | Funding programs include, but are not limited to: autism spectrum disorder research program, breast cancer research program, defense medical research and development program, Gulf War veterans' illnesses research program, neurofibromatosis research program, ovarian cancer research program, peer-reviewed medical research program, psychological health and traumatic brain injury research program, prostate cancer research program, and tuberous sclerosis complex research program. Some of these areas have included New Investigator Awards. |
| Department of Energy Early Career Research Program | Pre-proposals due September 8, 2016 | This program supports the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the disciplines supported by the DOE Office of Science. Opportunities exist in Advanced Scientific Computing Research, Biological and Environmental Research, Basic Energy Sciences, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics. |
| Human Frontier Science Program Young Investigators' Research Grants | LOIs due March 31 | These grants support collaborative research in the life sciences, bringing biologists together with scientists from other disciplines such as chemistry, physics, mathematics, computer science, and engineering. Grants are awarded to teams of researchers from different countries, all of whom are within the first five years of obtaining an independent laboratory. Teams receive up to \$450,000 per year. |
| National Aeronautics and Space Administration (NSPIRES) New (Early Career) Investigator Program in Earth Science | August 31 | This program is designed to support outstanding scientific research and career development of scientists and engineers at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate scientific leadership in Earth system science. The Earth Science Division (ESD) places particular emphasis on the investigators' ability to promote and increase the use of space-based remote sensing through the proposed research. |

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| National Science Foundation Faculty Early Career Development (CAREER) Program | July (varies by directorate) | This program supports the early career development activities of teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. The minimum CAREER award, including indirect costs, totals \$400,000 for a five-year duration. |
| National Science Foundation Computer and Information Science and Engineering (CISE) Research Initiation Initiative | August 9, 2017 | Understanding the critical role of establishing that independence early in one's career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first two years in a primary academic position after the Ph.D., but not more than a total of five years after completion of their Ph.D. It is expected that these funds will allow the new CISE Research Initiation Initiative PI to support one or more graduate students for up to two years. Faculty at undergraduate and two-year institutions may use funds to support undergraduate students, and may use the additional RUI designation. |
| National Security Agency (NSA) Mathematical Science Program | Currently not accepting proposals due to budget cuts. Check back in 2017. | The National Security Agency (NSA) Mathematical Science Program (MSP) supports research in algebra, number theory, discrete mathematics, probability, and statistics to improve investigative methods of computation. The program is comprised of four types of grants, including the Young Investigators grant, which provides funding for investigators within 10 years of earning a Ph.D. |
| Office of Naval Research Young Investigator Program | November 4, 2016 | The Young Investigator Program makes awards of up to \$170,000 per year for three years to attract outstanding new faculty members at institutions of higher education to support their research and encourage their teaching and research careers. See the ONR website for supported research areas. |
| Research Corporation for Science Advancement Cottrell Scholar Awards | Pre-proposal due May 16; full proposal due August 1 | The program's main goal is to promote and support the university scholar model. University scholars are faculty members who have both excellent research programs and excellent approaches to student learning at the undergraduate level. Awards are for three years in the amount of \$100,000. Eligibility is limited to faculty who started their first tenure-track appointment 3 years prior to the proposal cycle under which they are applying. |

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| U.S. Department of Agriculture Agriculture and Food Research Initiative | Varies by program area | Eligible investigators or co-investigators include those who are beginning their research careers, do not have an extensive research publication record, and have fewer than five years' postgraduate, career-track research experience. Funding priorities include: plant health and production and plant products; animal health and production and animal products; food safety, nutrition and health; bioenergy, natural resources and environment; agriculture systems and technology; and agriculture economics and rural communities. |
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