AS&E YOUNG INVESTIGATOR OPPORTUNITIES 2020-2021

These programs are intended for late postdoctoral investigators and new faculty, usually those at or below the rank of Assistant Professor. Consult each program's web page for more detailed information and current deadlines.

*Additional foundation, non-federal funding sortable by young investigator status can be found at: http://www.rochester.edu/fellowships/

NATIONAL SCIENCE FOUNDATION

Faculty Early Career Development (CAREER) Program – new solicitation in 2020
URL: https://www.nsf.gov/pubs/2020/nsf20525/nsf20525.pdf
FAQS: https://www.nsf.gov/pubs/2020/nsf20025/nsf20025.pdf
Most recent webinar (November 18, 2019):
https://www.nsfpolicyoutreach.com/wp-content/uploads/2019/11/NSFwidePrograms_fall19.pdf
CAREER Directorate and Division Contacts: http://www.nsf.gov/crssprgm/career/contacts.jsp

Deadlines: 2020 NSF CAREER
July 27, 2020 – all submissions
Eligibility: A Principal Investigator (PI) may submit only one CAREER proposal per annual competition. In addition, a PI may not participate in more than three CAREER competitions. Proposals that are not reviewed (i.e., are withdrawn before review or are returned without review) do not count toward the three-competition limit. Eligibility for Funding (must meet all the following requirements):
-Hold a doctoral degree in a field supported by NSF by the deadline date;
-Be engaged in research in an area of science, engineering, or education supported by NSF;
-Hold at least a 50% tenure-track (or tenure-track-equivalent) position as an assistant professor (or equivalent title);
-Be untenured; and
-Have not previously received a CAREER award. (Prior or concurrent Federal support for other types of awards for non-duplicative research does not preclude eligibility.)
*CAREER eligibility is not limited by time from degree or years in a tenure track appointment.

Funding: minimum CAREER award size is $400,000 for a five-year period for all directorates with the exception for Directorate for Biological Sciences (BIO), the Directorate for Engineering (ENG), or the Office of Polar Programs (OPP) are expected to total a minimum of $500,000 for the 5-year duration.

Synopsis: This program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards for faculty members beginning their independent careers. The intent of the program is to provide stable support at a sufficient level and duration to enable awardees to develop careers as outstanding researchers and educators who effectively integrate teaching, learning and discovery. NSF encourages submission of CAREER proposals from eligible junior faculty at all CAREER-eligible organizations, especially women, members of underrepresented minority groups, and persons with disabilities.

Computer & Information Science & Engineering (CISE) Research Initiation Initiative (CRII) 19-579

URL: https://www.nsf.gov/pubs/2019/nsf19579/nsf19579.pdf
FAQS: https://www.nsf.gov/pubs/2019/nsf19073/nsf19073.jsp?org=NSF
Webinar: https://www.nsf.gov/events/event_summ.jsp?cntn_id=298656&org=CISE
Deadline: August 12, 2020

Eligibility: ALL of the following criteria must be met at the time of submission. The PI should:

- Hold a primary appointment in a *computer science, information science, or electrical or computing engineering department, or in a related field of computational science* (where the PI would normally submit proposals to CISE programs); and
- Be untenured; and be in the first three years of a tenure-track or research science or education position (or equivalent).
- Only official leaves of absence (for illness, family, etc.) may be subtracted from the total time in the position, as certified by the PI's department chair/head in the required letter of support, to be included in the Supplementary Documents section of the proposal.
- In addition, at the time of the award, the PI may not have received any other grants in the PI role from any institution or agency (see solicitation for exceptions). Serving as co-PI, Senior Personnel, Post-doctoral Fellow, or other Fellow does not count against this eligibility rule.

***in 2019, there were many questions regarding eligibility as it related to startup packages ~ To be eligible for CRII, the proposer's level of organizational or other means of support, combined with support requested through CRII, not exceed support for two full-time graduate student for two years. We can discuss scenarios.**

Funding: Up to $175,000 for up to 24 months. No summer salary, course buyouts, or academic year salary costs are allowed. Most of the funds should go to student(s).

Synopsis: With the goal of encouraging research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research. 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 an academic position after the PhD. 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.

2021 Alan T. Waterman Award

URL: http://www.nsf.gov/od/waterman/waterman.jsp
See list of awardees: Only two awards are made nationally
Deadline: Information on the 2021 call for nominations will be available during summer 2020.

Eligibility: Candidates must be US citizens or permanent residents, 40 years of age or younger **OR** not more than ten years beyond receipt of their Ph.D. degree by December 31 of the year in which they are nominated.

Funding: $1,000,000 over a five-year period.
Synopsis: Eligible faculty are typically recommended by their department chair. Nomination packages consist of a nomination and four letters of reference submitted via FastLane. This award recognizes outstanding young researchers in any field of science or engineering supported by the NSF. In addition to a medal, the awardee receives a grant of $1,000,000 over a five-year period for scientific research or advanced study. Criteria include originality, innovation, and significant impact on the field for independent research. The names of four references are required for each nomination. The references cannot come from the nominee's home institution. References must be requested by the nominator and submitted by the established FastLane deadline.

DEPARTMENT OF ENERGY

Early Career Research Program (DE-FOA-0002173), issued November 21, 2019 (a month earlier than prior years!)

URL: https://science.osti.gov/early-career

Deadline: January 7, 2020
- Pre-applications/pre-proposals (required); March 16, 2020 - Selected full applications

Eligibility: Principal Investigator must be an untenured, tenure-track assistant or associate professor at a U.S. academic institution or a full-time employee at a DOE national laboratory. The applicant must also have received a Ph.D. within the past ten years (No more than ten (10) years can have passed between the year the PI's Ph.D. was awarded and the year that the FOA was issued). **There is NOT a U.S. citizenship requirement for the Principal Investigator or any project participants (a change in 2019). researcher must be an untenured, tenure-track assistant or associate professor at a U.S. academic institution or a full-time employee at a DOE national laboratory.**

Funding: Typical award size will be $750,000 over five years.

Synopsis: The funding opportunity for researchers in universities and DOE national laboratories. The Early Career Research Program, now in its fifth year, 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. Early Career Research Program opportunities exist in the following SC research programs: I. Advanced Scientific Computing Research (ASCR); II. Biological and Environmental Research (BER); III. Basic Energy Sciences (BES), IV. Fusion Energy Sciences (FES); V. High Energy Physics (HEP), and VI. Nuclear Physics (NP). Specific topics and program managers are listed. For each of the last ten years, an average of 40 university and 22 national laboratory awards have been initiated each year.

DEPARTMENT OF DEFENSE

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

Young Faculty Award (YFA)

URL: https://www.darpa.mil/work-with-us/for-universities/young-faculty-award
https://www.grants.gov/web/grants/view-opportunity.html?oppId=320056

CFDA: DARPA-RA-19-01

Deadlines: In 2019 posted in early August: September 18, 2019 - Executive Summary (strongly encouraged); November 19, 2019 Full Proposal

Eligibility: Participation in the YFA program is limited to any current tenure-track Assistant or Associate Professors and to tenured Assistant or Associate Professors within three (3) years of their tenure appointment at a U.S. institution of higher education or equivalent at a U.S. non-profit science and technology research institutions. Proposals may not be from foreign organizations.

Funding: Each award will include a 24-month base period (a maximum of $500,000) and a 12-month option period (a maximum of $500,000).

Synopsis: DARPA Young Faculty Award (YFA) program aims to identify and engage rising stars in junior faculty positions in academia and equivalent positions at non-profit research institutions and expose them to Department of Defense (DoD) and National Security challenges and needs. In particular, this YFA will provide high-impact funding to elite researchers early in their careers to develop innovative new research directions in the context of enabling transformative DoD capabilities. The long-term goal of the program is to develop the next generation of scientists and engineers in the research community who will focus a

significant portion of their future careers on DoD and National Security issues. DARPA is particularly interested in identifying outstanding researchers who have previously not been performers on DARPA programs, but the program is open to all qualified applicants with innovative research ideas.

Before preparing an executive summary or proposal submission, proposers are encouraged to review the DARPA mission statement and current program descriptions at the DARPA website https://www.darpa.mil to familiarize themselves with examples of current DARPA investments. This is not meant as instruction to duplicate those efforts, but rather to illustrate that current programs are aimed at research that will substantially advance our capabilities in these areas. Once awards are made, each YFA performer will be assigned a DARPA Program Manager with interests closely related to their research topic. The Program Manager will act as project manager and mentor to the YFA award recipients**.**

In 2019, 31 awards were made nationally to include Nick Vamivakas, The Institute of Optics.
https://www.darpa.mil/attachments/YFAAwardees2019.pdf

ENVIRONMENTAL PROTECTION AGENCY

EPA-G2020-STAR-C2, Early Career: Assessment Tools for Biotechnology Products
ASSESSMENT TOOLS FOR BIOTECHNOLOGY PRODUCTS (PDF)
Informational Webinar: Assessment Tools for Biotechnology Products Request for Application - May 28, 2020

Deadline: Solicitation Opening Date: *May 6, 2020*
Solicitation Closing Date: *July 15, 2020*:11:59:59 pm Eastern Time

Eligibility: Hold a doctoral degree in a field related to the research being solicited by the closing date of the RFA; Be untenured at the closing date of the RFA; and be employed in a tenure-track position (or tenure-track-equivalent position) as an assistant professor
Funding: Up to a total of $453,333 for early career awards, including direct and indirect costs, with a maximum duration of 3 years.
Synopsis: In addition to regular awards, this solicitation includes the opportunity for early career awards. Research solicited in this RFA will support the development of improved science-based human health and environmental risk assessments of novel biotechnology products. Recent advances in synthetic biology methods can be used to create substances and life forms not found in nature, which may in turn be used to make biotechnology product. For the purposes of this RFA, biotechnology products of interest include: industrial or consumer chemicals; pesticides (including pesticide intermediates); and new microbes used in biomass conversion for chemical production, microbial fuel cells, mining and resource extraction, building materials, waste remediation and pollution control, and non-pesticidal agriculture applications (e.g., biofertilizers, weather and climate modification). Robust and efficient evaluation and monitoring tools are needed to ensure these biotechnology products' safety and to assure public trust (Morton et al., 2019).

OFFICE OF NAVAL RESEARCH

FY2020 Office of Naval Research Young Investigator Program

URL: https://www.onr.navy.mil/en/Education-Outreach/Sponsored-Research/YIP
https://www.grants.gov/web/grants/view-opportunity.html?oppId=317320

CFDA: 12.300, Solicitation: N00014-19-S-F008

Deadline: In 2019 posted June 21, 2019. August 16, 2020

Eligibility (changes made in 2018): The PI must be a U.S. citizen, national or permanent resident (on the date proposals are due), holding a first or second full-time tenure-track or tenure-track-equivalent faculty position at that university, and has received his/her doctorate or equivalent degree on or after received his/her PhD or equivalent degree on or after January 1, 2012. The term "national" of the United States includes a native resident of a possession of the United States, such as American Samoa.

Funding: up to $500,000 for 24-months with an option for up to $250,000 for an additional 12-months.

Synopsis: The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also called "universities") to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Tie to Science and Technology (S&T) Department section of ONR's website at www.onr.navy.mil, which are of interest to ONR Program Officers and Division Directors will be considered. DOD will accept any proposals that address research areas outlined in ONR's broad research portfolio that are of interest to ONR program managers. A complete list of topics of interest to each of ONR's six departments – Expeditionary Maneuver Warfare and Combating Terrorism (Code 30); Command, Control Communications, Computers, Intelligence, Surveillance, and Reconnaissance (Code 31); Ocean Battlespace Sensing (Code 32); Sea Warfare and Weapons (Code 33); Warfighter Performance (Code 34); and Naval Air Warfare and Weapons (Code 35) – is available on ONR's science and technology homepage located at http://www.onr.navy.mil/Science-Technology/Departments.aspx. Information on ONR's research focus areas can be found at http://www.onr.navy.mil/Science-Technology/Departments.aspx. Applicants are STRONGLY ENCOURAGED to contact the appropriate Program Officer who is the point of contact for a specific technical area to discuss their research ideas. A list of most Program Officers and their contact information can be found at: https://www.onr.navy.mil/our-research/technology-areas or at: https://www.onr.navy.mil/our-research/our-program-managers.

The ONR Young Investigator Program is highly competitive with typically less than 10 percent of applicants receiving awards. In 2019, 26 awards were made. A proposal not selected for the Young Investigator Program may still be considered for an ONR grant award.
https://www.onr.navy.mil/en/Education-Outreach/Sponsored-Research/YIP/2020-young-investigators

ARMY RESEARCH OFFICE

Young Investigator Program (YIP)

URL: https://www.arl.army.mil/wp-content/uploads/2020/04/ARO-BAA-Amendment-7-Final.pdf

Open BAA: W911NF-17-S-0002

Deadline: Proposals may be submitted at any time. Falls under the core ARL BAA for Basic and Applied Scientific Research for Fiscal Years 2017 through March 31, 2022

Eligibility: Open to U.S. citizens, nationals, and resident aliens holding tenure-track positions at U.S. universities and colleges, who have held their graduate degrees (Ph.D. or equivalent) for fewer than five years at the time of application. Faculty at an institution of higher education which does not designate any faculty appointments as "tenure track" are eligible if that is so indicated in the proposal, and the supporting letter from the university states that the faculty member submitting the proposal will be considered for a permanent appointment.

Funding: Awards will not exceed $120,000 per year for three years.

Synopsis: Proposals are invited for research in areas described in the BAA ARO Research Areas. As is the case for all other research programs, informal discussions with the cognizant ARO Technical Point of Contact (TPOC/ Program Manager) identified in the ARO Research Areas of this BAA is strongly recommended before submission of a formal proposal. An award in each topic area is not guaranteed.

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

FY 2021 Young Investigator Research Program (YIP)
URL: FOA-AFRL-AFOSR-2020-0003

Deadline: May 14, 2020 White papers due May 14, 2020 (highly encouraged); July 14, 2020 Full proposals

Eligibility: Received Ph.D. or equivalent degrees by 1 April 2013 or later (updated) showing exceptional ability and promise for conducting basic research where the principal investigator is a U.S. citizen, national, or permanent resident by 01 October 2020.

Funding: up to $150,000/year for three years, for a total of $450,000. Anticipate approximately thirty-six (36) awards in 2021.

Synopsis: The program objective is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force mission and related challenges in science and engineering. 36 awards anticipated. Go to https://www.wpafb.af.mil/News/Article-Display/Article/1987678/air-force-awards-grants-to-40-scientists-and-engineers-through-young-investigat/ to see FY20 AFOSR YIP winners.

Research Interests of the Air Force Office of Scientific Research Open BAA
FA9550-19-S-0003

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

New (Early Career) Investigator Program in Earth Science (A.32)

CFDA: NNH20ZDA001N-NIP

https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=734908/solicitationId=%7BB05DE781-3B1F-E548-F61A-BB14F66A2FAE%7D/viewSolicitationDocument=1/A.32%20NIP%20Amend%2019.pdf

Deadline: Notices of Intent are requested by August 18, 2020 and full proposals September 15, 2020

Eligibility: An NIP proposal PI must be a recent Ph.D. recipient, defined as having graduated on or after January 1 of the year that is no more than six years before the issuance date of this Research Opportunities in Space and Earth Science (ROSES) NASA Research Announcement (NRA) (i.e., after January 1, 2014, but see also *item). Be in tenure- or non-tenure-track positions in either teaching or research or both, as long as the employing institution assumes the responsibility of submitting the proposal with the individual as the proposed PI.

*Despite being more than six years beyond the receipt of their Ph.D. degrees, individuals who have interrupted their careers for reasons such as military service, family leave, or serious health problems may also be eligible. A written request must be made in advance.

Funding: Up to $125,000 per year for a period of up to three years

Synopsis: The New (Early Career) Investigator Program (NIP) in Earth science is designed to support outstanding scientific research and career development of scientists and engineers at the early stage of their professional careers. The program welcomes innovative research initiatives and seeks to cultivate diverse 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.

The NIP supports all aspects of scientific and technological research aimed to advance NASA's mission in Earth system science (See the NASA Science Plan at http://science.nasa.gov/about-us/science-strategy/ . In research and analysis, the focus areas are:
• Carbon Cycle and Ecosystems,
• Climate Variability and Change,
• Water and Energy Cycle,
• Atmospheric Composition,
• Weather, and
• Earth Surface and Interior.

For NASA also check specific young investigator listings under the NASA ROSES master solicitation for specific areas not under the Earth Science call.

Early Career Investigator Program (ECIP) specific to Heliophysics (B.14)
Solicitation: NNH20ZDA001N-ECIP

https://nspires.nasaprs.com/external/solicitations/summary.do?solId={BC6756FD-561A-B7A1-F68A-2A18E6851701}&path=&method=init

Deadline: ECIP20 Step-1 Proposals Due: May 27, 2020; Step-2 proposals are now due August 26, 2020.

Funding: up to 3 years in duration and $600K in total value.

Synopsis: Early Career Investigator Program (ECIP) in Heliophysics is designed to support outstanding scientific research and career development of scientists at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate diverse scientific leadership in Heliophysics. This program is designed to foster the empowerment, inspiration, and education of the next generation of space researchers, as part of the E of the DRIVE (Diversify, Realize, Integrate, Venture, Educate) initiative put forward as a high priority recommendation of the 2013 Solar and Space Physics Decadal Survey.

NASA Space Technology Mission Directorate - Early Career Faculty
URL: 80HQTR20NOA01-20ECF_B1
https://nspires.nasaprs.com/external/solicitations/summary.do?solId={ACAD5344-C2D1-8304-D57E-2FE90D346946}&path=&method=init

Deadline: February 26, 2020 Notices of Intent. March 26, 2020 Proposals are due

Funding: up to 3 years in duration and $600K in total value. Awards are planned to start in October 2020

Synopsis: NASA is seeking proposals that plan to pursue innovative, early-stage space technology research in the topic areas specifically enumerated in the solicitation. Specifically, the proposals must address one of the following four topics:

- Topic 1 – Coordinated Multi-Robots for Planetary Exploration
- Topic 2 – Advanced Plant/Food Production Technologies for Space Exploration
- Topic 3 – Enhanced Diagnostics for Characterizing Entry Aerothermal Environments in High-enthalpy Impulse Facilities
- Topic 4 – Micro or Nano-structuring Multi-layer Insulation Shields for Ultra-low Emissivity

Only accredited U.S. universities are eligible to submit proposals on behalf of an untenured Assistant Professor on the tenure track at the sponsoring U.S. university at the time of award. A single, eligible Principal Investigator (PI) must lead the proposed research. Co-Investigators are not permitted. Collaborators (other than NASA civil servants/JPL) are permitted. The PI must be a U.S. citizen or have lawful status of permanent residency. See the solicitation for complete requirements regarding eligibility and for definitions and restrictions regarding collaborators.
Tom Howard in ECE received an award last year - 2019! Synopsis:
https://www.nasa.gov/directorates/spacetech/strg/ecf/NASA_Selects_Early_Career_Faculty_at_US_Universities

NATIONAL INSTITUTE OF HEALTH

NIH POLICY ON ESI and NEW FACULTY

URL: https://grants.nih.gov/policy/early-investigators/index.htm

http://grants.nih.gov/grants/new_investigators/investigator_policies_faqs.htm

Last Revised: August 22, 2019

Eligibility: In general, a Program Director/Principal Investigator (PD/PI) is considered a New Investigator if he/she has not previously competed successfully as PD/PI for a substantial NIH independent research award.

Early Stage Investigator (ESI), who has completed their terminal research degree or end of post-graduate clinical training, whichever date is later, within the past 10 years and who has not previously competed successfully as PD/PI for a substantial NIH independent research award. A list of NIH grants that a PD/PI can hold and still be considered an ESI can be found at https://grants.nih.gov/policy/early-investigators/list-smaller-grants. ESIs are encouraged to enter the date of their terminal research degree or the end date of their post-graduate clinical training in their eRA Commons profile to ensure their correct identification.

In order to encourage a reduction in the period of training leading to independence, the NIH Institutes and Centers monitor their New Investigator pool to make sure that approximately half have ESI status. Applications from ESIs, like those from all New Investigators, are given special consideration during peer review and at the time of funding. Peer reviewers are instructed to focus more on the proposed approach than on the record of accomplishment, and to expect less preliminary information than might be provided by an established investigator.

R01 awards are commonly made to early investigators; check Andrew White application…

Deadlines: **Varies, typically three deadlines each year, follow the parent solicitation schedule below:** http://grants.nih.gov/grants/funding/submissionschedule.htm

The NIH New and Early Stage Investigator page includes:

- Policy Summary
- Background
- Determination of Investigator Status
- Extension of ESI or EEI Status
- Special Programs
- History of Related NIH Policies
- Related Data

US DEPARTMENT OF AGRICULTURE

Agriculture and Food Research Initiative (AFRI) - Competitive Grants Program – Foundational Program

URL: https://www.nifa.usda.gov/program/agriculture-and-food-research-initiative-afri

CFDA: 10.310 (each of priority areas has own RFA)

Deadline: Varies by research area

Eligibility: An individual who is beginning his/her career, does not have an extensive scientific publication record, and has less than five years postgraduate, career-track experience is encouraged to submit an application for a New Investigator Grant for research, education, and/or extension activities. The new investigator may not have received competitively awarded Federal research funds with the exception of pre- or postdoctoral grants or USDA NRI or AFRI Seed Grants. The work proposed for New Investigator Grants must address a specific Program Area Priority described under Program Area Descriptions and the application must be submitted directly to that Program Area by the designated deadline date.

Synopsis: The National Institute of Food and Agriculture's flagship competitive grants program, the Agriculture and Food Research Initiative (AFRI) solicits applications from scientists each year. The application process offers funding for single-function and integrated agricultural research, education, and extension efforts that address key problems of local, regional, national, and global importance in sustaining conventional and organic food and agriculture systems. In Fiscal Year (FY) 2020, anticipate there will be three Requests for Applications (RFAs): Foundational and Applied Science; Sustainable Agricultural Systems; and Education and Workforce Development. Prospective applicants are encouraged to review each RFA to explore all the opportunities available to them. Potential applicants should refer to the AFRI RFAs after they are posted and the RFA resources page for information needed to submit an application to the appropriate program.

GOOGLE

Faculty Research Awards (not exclusive to young faculty but have been successful)

URL: https://ai.google/research/outreach/faculty-research-awards/

Deadlines: Applications for 2020 will be available in late summer 2020.

Eligibility: Google accept applications from permanent faculty at universities. Funding is focused on supporting PhD students, so we do allow applications from faculty at research institutions that award research degrees to PhD students.

Funding: $150,000 in eligible expenses, but actual award amounts are frequently less than the full amount requested **(**PI salaries and indirect costs are not allowed)**.**

Synopsis: One-year awards structured as unrestricted gifts to universities to support the work of excellent full-time faculty members at top universities around the world. The intent of the Google Research Awards is to support cutting-edge research in Computer Science, Engineering, and related fields tied to categories.

ALFRED P. SLOAN FOUNDATION

Alfred P. Sloan Foundation – 2020 Sloan Research Fellowship

URL: http://www.sloan.org/sloan-research-fellowships/
There is a limit to the number of nominations per department - no more than three candidates may be nominated from any one department in a given competition.
*Applicant must work in concert with Advancement Office in these applications, Emily (Kellas) Goodenough, Assistant Director of Foundation Relations ekellas@ur.rochester.edu for analysis of the foundation's interests and priorities and for assistance with the application.

Deadline: Nominations for the 2021 Sloan Research Fellowships will open July 15, 2020.
September 15, 2020 (11:59pm EDT) – Application due to sponsor.

Eligibility: Candidates must hold a tenure track (or equivalent) position at a university, or other degree-granting institution in the United States or Canada. Candidates must hold a Ph.D. (or equivalent) in one of desired fields. With their most recent Ph.D. (or equivalent) awarded less than six years prior to their nomination.

Funding: $75,000 over 2 years

Synopsis: Candidates must be nominated by a department head or other senior researcher, and are selected by independent panels of noted scholars in each field. New this year, the foundation no longer requires nominees to be within six years of their Ph.D. date, as long as a candidate has received a Ph.D. and is in a tenure-track position with a teaching requirement s/he is eligible for the fellowship. Please note that although the cut-off date is no longer a requirement, the fellowship remains an award for those in the early stages of their careers. The Sloan Research Fellowship provides flexible funding for research needs. The one-step application does involve obtaining a number of letters of support but the research statement is quite simple. **The foundation considers the first 3 years in an investigator's first tenure-track position as the "early stage" of a career. Top funded research fellowship fields are Chemistry (23 awardees each yr.) and Physics (23 awardees each yr.).** Nominations of women and underrepresented minorities are encouraged. Package includes: A letter from a department head or other senior researcher officially nominating the candidate, candidate's curriculum vitae, two representative articles by the candidate; a brief (one-page) statement by the candidate describing his or her significant scientific work and immediate research plans, and three letters from other researchers (preferably not all from the same institution).

PACKARD FOUNDATION

Packard Fellowships for Science and Engineering (2019)

URL: http://www.packard.org/what-we-fund/conservation-and-science/science/packard-fellowships-for-science-and-engineering/

Follows Limited Submission/Internal Selection: as UR can only nominate two faculty members for consideration. The UR President nominates two early-career professors each from their institution. *Applicant must work in concert with Foundation Relations Advancement Office in these applications.

Internal Deadline: October 26, 2019 (Chosen Internal Nominee(s) Notified by: November 16, 2019); Sponsor Deadline: March 16, 2020 - Nominations are due to the Foundation.

Funding: $875,000 (over 5 years)

Eligibility: Candidates must be eligible to serve as principal investigators engaged in research in the natural and physical sciences or engineering. Must be within the first three years of their faculty careers that is, whose initial faculty appointments began no earlier than May 31, 2016, and no later than May 31, 2019. (*A majority of awardees are in the 2nd or 3rd year of their faculty careers).

Synopsis: The Packard Fellowships for Science and Engineering program invests in future leaders who have the freedom to take risks, explore new frontiers in their fields of study, and follow uncharted paths that may lead to groundbreaking discoveries. Recipients take a creative approach to their research, dare to think big, and follow new ideas wherever they lead. The Foundation emphasizes support for innovative individual research that involves the Fellows, their students, and junior colleagues, rather than extensions or components of large-scale, ongoing research. Disciplines that will be considered include physics, chemistry, mathematics, biology, astronomy, computer science, earth science, ocean science, and all branches of engineering. (*Top five funded disciplines since 2012: 1. Biological Sciences, 2. Physics, 3. Chemistry, 4. Astronomy/Astrophysics/Cosmology, 5. Geosciences). In the Last 10 years @ UR: Vasilii Petrenko – 2013; Earth & Environmental Sciences and Daven Presgraves – 2008; Biology have received awards. Online applications include four letters of recommendation to include the department chair and three people outside the nominee's university.

BECKMAN FOUNDATION

Arnold and Mabel Beckman Foundation – Beckman Young Investigators Award (2021)

URL: https://www.beckman-foundation.org/programs/beckman-young-investigator/

Deadline: While not limited, this opportunity requires institutional endorsement. Therefore, the University requests all potential applicants express their intent to apply as soon as possible but no later than **June 23rd, 2020**. This will allow leadership time for institutional endorsement prior to the final deadline.

Sponsor Deadline: **LOI Completed (UR deadline): July 21st, 2020; Full proposals Submission Deadline: January 7, 2021 (anticipated)**

Funding: $600,000

Eligibility: BYI program is open to those within the first three years of a tenure-track position, or an equivalent independent research appointment, at a United States academic or non-profit institution that conducts research in chemical and life sciences. Tenure-Track dates for the 2021 program must start **after 8/6/2017 AND before 8/6/2020. Candidates must be citizens or permanent residents of the United States at the time of application**. Applicants must have no more than 10 years post terminal degree; and no more than 5 years' experience in a non-tenure track or industry position. Applicants can have no more than $225,000 in direct, annualized external funding grants during any BYI Program Year (Aug-July) at time of application. Start-up funds, department-wide instrumentation grants, and "Transition" grants (such as NIH K99/R00) are not counted toward this total.

Synopsis: Successful applicants will propose a truly innovative, high-risk project which will contribute significant advances in chemistry and the life sciences; represent a true departure from current research directions; utilize a multidisciplinary approach; and foster the invention of methods, instruments and/or materials.

Sources to Note:

UC Berkeley

http://www.spo.berkeley.edu/fund/newfaculty.html

Rice University

https://opd.rice.edu/career-award-programs

Duke University

https://researchfunding.duke.edu/search-results?search_api_views_fulltext=young%20faculty&opportunity_limited=&opportunity-agency=&opportunity_agency_type=&opportunity_external_date_1=&opportunity_external_date_3=&changed_1=&changed_2=&opportunity_external_date_2=All