3-20-2019


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<td>Dept. of Defense (DOD)</td>
<td>Air Force Office of Scientific Research (AFOSR)</td>
<td>Young Investigator Research Program</td>
<td>Basic research areas of current interest as detailed in the current AFOSR BAA. Specific topics lie within the areas of: 0 Engineering and Complex Systems 0 Information and Networks 0 Physical Sciences 0 Chemistry and Biological Sciences 0 Other Innovative Research Concepts</td>
<td>For FY 2020:  • U.S. citizens, national, or permanent resident by 01 Oct 2020  • Received a Ph.D. or equivalent degree on 1 April 2013 or later  • Employed in a permanent, career, competitive, or tenure-track position by an U.S. institution of higher education, industrial laboratory, or non-profit research organization  • Applicants must have a scope different from that already funded by the other agencies or entities.  • PIs with early career awards from other agencies or entities are eligible, but the proposed research must have a scope different from that already funded by the other organization.</td>
<td>Up to $100,000/yr for 3 years. Exceptional proposals will be considered individually for higher funding level and/or longer duration (up to 5 years upon a successful third year review granting option pickup).</td>
<td><a href="http://www.arl.army.mil/www/page/0002.pdf">http://www.arl.army.mil/www/page/0002.pdf</a></td>
<td>Jun 3, 2019</td>
<td>DOD-YIP-18-02 Young Faculty Award</td>
<td>3/6/2019</td>
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<td>Dept. of Defense (DOD)</td>
<td>Army Research Office (ARO)</td>
<td>Young Investigator Program (See pp.66-68 of AFOSR Broad Agency Announcement (BAA) for Basic and Applied Scientific Research for Fiscal Years 2017 through 2022)</td>
<td>Research in: 0 Materials sciences 0 Ballistics and aeromechanics sciences 0 Information sciences 0 Human sciences 0 Survivability, lethality, and vulnerability analysis and assessment 0 Chemistry 0 Electronics 0 Physics 0 Environmental sciences 0 Life sciences 0 Mechanical sciences 0 Mathematical sciences 0 Computing sciences and network sciences</td>
<td>U.S. citizens, U.S. national or permanent resident alien  • Tenure-track position at U.S. university or college  • Hold Ph.D or equivalent for fewer than 5 years at the time of application  • Eligibility of PIs with early career awards from other agencies or entities is not addressed in BAA.</td>
<td>Up to $120,000/yr for 3 years.</td>
<td><a href="https://www.arl.army.mil/www/page/5/B911NF-15-5-0002.pdf">https://www.arl.army.mil/www/page/5/B911NF-15-5-0002.pdf</a></td>
<td>Ongoing</td>
<td>BAA expires Mar 31, 2022</td>
<td>DOD-FY2019-0002 4/1/2017</td>
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<td>Dept. of Defense (DOD)</td>
<td>Defense Advanced Research Projects Agency (DARPA)</td>
<td>Young Faculty Award</td>
<td>Innovative research proposals in these specific Topic Areas (TA): 0 Biological inspired GPS-denied navigation 0 Enhancing Prophylactic Immunity and the Immune Response 0 Plant Bio-mining System 0 Bioaccelerants 0 Quantum inspired classical optical computing 0 The Biology of Team Performance 0 Smart City Sensing for Chemical and Explosive Threat Detection and Identification 0 Bio-inspired modeling of resilience and efficiency in complex systems 0 Quantifying Software Vulnerability Longevity 0 Hybrid Intelligent Agents 0 Complete Logic Erasure And Recovery (CLEAR)</td>
<td>U.S. Citizens, U.S. Permanent Residents, and Foreign Nationals who meet these eligibility criteria by the full proposal deadline:  • Current tenure-track assistant or associate professor OR  • Current tenure faculty within 5 years of their Tenure date OR  • Equivalent at a non-profit research institution within 12 years of the receipt of their Ph.D. AND  • Employed at a U.S. Institution  • Not a previous YFA recipient or former DARPA program manager  • Submitted to young investigator programs sponsored by other agencies are not restricted. Non-U.S. Individuals may participate to the extent that such participants comply with any necessary nondisclosure agreements, security regulations, export control laws, and other governing statutes applicable under the circumstances.</td>
<td>Base Period: Up to $250,000/yr for 2 years + Option Period: Up to $500,000/yr for 1 additional year (Director's Fellowship awarded to select awardees based on project performance)</td>
<td><a href="http://www.darpa.mil/Work-with-us/Universities/Young-Faculty-Award">http://www.darpa.mil/Work-with-us/Universities/Young-Faculty-Award</a></td>
<td>Executive Summary [1 per PI] Sept 10, 2018</td>
<td>DARPA-FY-18-03 Young Faculty Award</td>
<td>8/19/2018</td>
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**Citizenship/residency requirements very widely. Always check sponsor’s requirements carefully.**

- Validating Type Consistency of Semi-Structured Data
- Device-centric Detection of Security and Privacy Attacks Against Cellular Networks
- Electromagnetic Maneuver Warfare
- Expeditionary and Irregular Warfare
- Information Dominance - Cyber
- Platform Design and Survivability
- Power and Energy
- Power Projection and Integrated Defense
- Warfighter Performance
- Base Period: Up to $200,000/yr for 2 years + Option Period: Up to $200,000 for 1 additional year
- PIs with early career awards from other agencies or entities are eligible, but the proposed research must have a scope different from that already funded by the other organization
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<td>Dept. of Energy (DOE)</td>
<td>Office of Science</td>
<td>Early Career Research Program</td>
<td>Research in the disciplines supported by the DOE Office of Science:</td>
<td>• There is NOT a U.S. citizenship requirement for the Principal Investigator or any project participants.</td>
<td>$750,000 over 5 years</td>
<td><a href="http://science.energy.gov/early-career/">http://science.energy.gov/early-career/</a></td>
<td>Feb 6, 2019</td>
<td>Apr 29, 2019</td>
<td>1/7/2019</td>
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<td>• Untenured assistant or untenured associate professor on the tenure track</td>
<td>• No more than 10 years between the year the PhD was awarded and the year of the FOA was issued (i.e., for 2019 deadline, PhD must have been granted no earlier than 2008)</td>
<td></td>
<td><a href="https://www.grants.gov/web/grantsearch?keywords=de-foa-2018K0002">https://www.grants.gov/web/grantsearch?keywords=de-foa-2018K0002</a></td>
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<td>• May submit 2 full application in only 3 competitions</td>
<td>• PIs with early career awards from other agencies or entities are eligible, but the proposed research must have a scope different from that already funded by the other organization</td>
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<td>Check RFP for specific topics excluded or of high interest.</td>
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| National Geospatial Intelligence Agency (NGA) | NGA Academic Research Program (ARP) | NGA New Investigator Program (NIP) Grants | Supports outstanding university faculty members to conduct innovative, high-payoff research that provides the basis for revolutionary progress in areas of science and technology affecting the needs and mission of NGA. | • U.S., U.S. national, or permanent U.S. resident  
• Hold faculty positions at U.S. university and college  
• Hold doctorate degree (PhD or equivalent) for less than 5 years at the time of application  
• Strong institution support for the applicant throughout the grant period is required.  
This support may include time released from teaching or administrative responsibilities, the purchase of equipment, support for the applicant’s graduate students, and departmental cost sharing.  
(Eligibility of PIs with early career awards from other agencies or entities is not addressed in FOA.) | $100,000/yr for 2 years + up to one-year option valued at $100,000 | https://www.nga.mil/Partners/Research/Grant/YoungInvestigatorGrant.aspx | Apr 29, 2019           | suspended for FY19 | 3/27/2018     |
| National Security Agency ( NSA) | Mathematical Sciences Program | Grants for Research in Mathematics - Young Investigators Grant | Self-directed, unclassified research in the areas of algebra, number theory, discrete mathematics, probability and statistics. Does not support cryopreservation research.  
• U.S. citizen or permanent resident  
• Within 10 years of receiving PhD  
• Individuals who have a grant from another U.S. government agency (such as the NSF) that supports any of their research are ineligible to receive an NSA MSP Young Investigator Grant for the same time period. | $20,000/yr for 2 years | https://www.nga.mil/about-our-research/math-sciences-program/ | Opens on Sep 1 each year | suspended for FY19 |               |
| Nuclear Regulatory Commission (NRC) | Nuclear Education Program | Faculty Development Grant  
See: U.S. Nuclear Regulatory Commission Funding Opportunity Announcement (POA), Scholarship and Fellowship Education Grant, Faculty Development Grant, and Trade School and Community College Scholarship Grant, Fiscal Year (FY) 2019  
[DOA 32330020W0002] | Support for new faculty in the nuclear-related fields of Nuclear, Mechanical, Civil, Environmental, Electrical, Fire Protection, and Materials Sciences Engineering or Health Physics.  
The NRC has interest in topics including but not limited to  
• Neutronics  
• Thermal hydraulics  
• Accident-Progression (e.g., performance of safety relief valves)  
• Consequence  
• Emergency Preparedness  
• Radiation Protection Analysis  
• Radiophysics  
• Probabilistic Risk Assessment  
• Seismology  
• For ENS Analysis  
• Advanced reactor (non-light water reactor)  
• Safety systems  
• Other related disciplines  
• Untenured, tenure-track faculty in the first 6 years of their career  
• U.S. citizen, national, or permanent resident  
• Eligibility of PIs with early career awards from other agencies or entities is not addressed in FOA. | Base award in $300,000 over 3 years  
Can include support for:  
• Developing proposals for research and small amounts for initiating or continuing research projects in recipient's areas of expertise  
• Travel  
• Equipment stipends  
• Participation in professional society meetings  
• Preparation of papers  
• Travel and associated expenses | http://www.nrc.gov/education-grants.html |

Funding Opportunities Specifically for Early Career UNH Investigators
Defense, Energy, and Security

Research Development Office
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