

From: bounce-124677364-76014006@list.cornell.edu on behalf of [Research Development at Cornell University](#)
To: [CU-RES-ADMIN-L](#)
Subject: DoD Funding & Engagement Opportunities - June 4, 2020
Date: Thursday, June 4, 2020 11:25:23 AM

To the Cornell University community,

Please make note of these Department of Defense (DoD) funding and engagement opportunities that may be of interest.

NOTE: If you intend to submit to a funding opportunity, please notify your college or department research administration office, or the Office of Sponsored Programs.

For assistance with internal proposal development, including consultation on proposal strategy; identifying sponsor-specific proposal strategies; coordinating project team meetings; identification of additional campus resources; management of proposal schedule; drafting letters of commitment from Cornell and any partner institutions; and liaising between your proposal team and OSP, please contact Carmel Lee (cll229@cornell.edu), Associate Director of Research Development.

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Army Research Office (ARO)

Young Investigator Program (YIP)

[W911NF-17-S-0002-07](#)

Deadline: Open

Anticipated award amount: up to \$120,000/year for 3 years

YIP awards are one of the most prestigious honors bestowed by the Army on outstanding scientists beginning their independent careers. The objective of the YIP is to attract outstanding young university faculty members to pursue fundamental research in areas relevant to the Army, to support their research in these areas, and to encourage their teaching and research careers. Research areas of interest are mechanical sciences, mathematical sciences, electronics, computing science, physics, chemistry, life sciences, materials science, network science, and environmental sciences. Outstanding YIP projects may be considered for a Presidential Early Career Award for Scientists and Engineers (PECASE). This program is open to U.S. citizens, U.S. Nationals, and Permanent Resident Aliens holding tenure-track positions at U.S. institutions of higher education, who have held their graduate degrees (Ph.D. or equivalent) for fewer than five years at the time of application.

Air Force Office of Scientific Research (AFOSR)

How to Engage with the Air Force Research Laboratory (AFRL) Research Ecosystem Webinar

Friday, June 19, 2020, 8:45am-12:00pm EDT

https://afosr.gov1.qualtrics.com/jfe/form/SV_07bQFop3WS7fzWI

This LIVE virtual event is a great opportunity for university researchers and administrators to learn

how do business with the Air Force Research Laboratory --- from basic to applied. Hear real accounts of researchers who have successfully navigated the system and transitioned work to the commercial sector. Get tips and resources from subject matter experts on applying for funding and building lasting relationships in the research ecosystem! Speakers include representatives from BRICC, AFOSR, Basic Research Office at OSD, APEX, Doolittle Institute, and Adranos, Inc.

FY2021 Air Force Young Investigator Research Program (YIP)

[FOA-AFRL-AFOSR-2020-0003](#)

White papers (optional): May 14, 2020. Full proposals: July 14, 2020

Anticipate award amount: \$150,000/year for 3 years

The Fiscal Year 2021 Air Force Young Investigator Research Program (YIP) intends to support young in career scientists and engineers who have received Ph.D. or equivalent degrees by 1 April 2013 or later showing exceptional ability and promise for conducting basic research. 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.

Office of Naval Research (ONR)

FOA for STEM Education and Workforce Program

[N00014-20-S-F005](#)

White Paper: June 12, 2020. Full proposal: Aug. 28, 2020

Anticipated award amount: maximum \$750,000 over 3 years

The Office of Naval Research (ONR) released a funding opportunity announcement (FOA) for the Department of the Navy's Science, Technology, Engineering & Mathematics (STEM) Education and Workforce Program seeking a broad range of applications that improve, and tailor STEM education and experiences with Naval Science and Technology (S&T) workforce needs. While this FOA is applicable for any stage of the STEM educational system, funding will be primarily directed towards projects addressing either one or a combination of these communities:

- Secondary education communities;
- Post-secondary communities;
- Informal science communities;
- Current Naval STEM workforce communities.

Broad priority areas and special audience priorities are listed in the FOA. This FOA contains a two-part process with mandatory white paper submission. Following evaluation of white papers, invited applicants may submit a full application. All submissions must be submitted through [FedConnect](#).

Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO)

Polyplexus Pilot Topic Opportunity - Modeling and Prediction of Complex Dynamical Events (Topic 23)

Live Question and Answer Session: June 22, 2020, 10:30am-12:30pm Eastern

[HR001119S0075-23](#)

The purpose of this Polyplexus Pilot Topic Opportunity Notice is to provide public notification of a research and development funding opportunity on the Polyplexus online platform. The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) invites participation in Polyplexus, which is an online, professional, technical conversation between the research community and DARPA Program Managers that will lead to the opportunity to submit abstracts and full proposals for a research and development project. The shared task of this group is to rigorously explore the trends and possible applications of emerging science and technology in a specific technical area defined by a participating Program Manager. The online discussion culminates in an opportunity to submit an abstract and subsequently a proposal describing a

proposed research project. The initial technical area under consideration in this announcement is to explore analytic techniques that enable accurate prediction of nonstationary dynamical processes. DARPA Defense Sciences Office intends to make at least one award of up to \$100,000 and one year duration as a result of this process. In addition, the information gathered in the incubator may serve as the basis for a future program. See Modeling and Prediction of Complex Dynamical Events (Topic 23) incubator on www.polyplexus.com. Please send any questions regarding HR001119S0075-23 to PolyplexusPilot@darpa.mil

Discover DSO Day Webinar - June 24-25, 2020

Deadline to register: June 17, 2020

[DARPA-SN-20-48](#)

The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) will host a Discover DSO Day (D3) on June 24-25, 2020, via webinar. The D3 online event will provide an overview of DARPA and DSO, and offer useful information to potential proposers in anticipation of an office-wide broad agency announcement (BAA) planned for release in June 2020.

The anticipated BAA will seek cutting-edge basic or applied research concepts in one or more of the following technical areas:

- Frontiers in Math, Computation & Design
- Limits of Sensing & Sensors
- Complex Social Systems
- Anticipating Surprise

Registration is now open and will close on June 17, 2020 at 5:00pm ET or when capacity is reached, whichever comes first. The registration website can be found [here](#). More information on the D3 event can be found on www.beta.sam.gov under Notice ID DARPA-SN-20-48.

Program Announcement for Disruptioneering

[DARPA-PA-20-01](#)

DARPA makes high-risk, high-reward investments in science and technology that have the potential to disrupt current understanding and/or approaches. The pace of discovery in both science and technology is accelerating worldwide, resulting in new fields of study and the identification of scientific areas ripe for disruption. In order to capitalize on these new opportunities, its approach to investing must include faster responses with more small, targeted investments. This approach is called Disruptioneering. Disruptioneering enables DARPA to initiate a new investment in less than 90 days from idea inception. The DSO will issue Disruption Opportunities (DO) via targeted Presolicitation Notices. These Presolicitation Notices will focus on technical domains important to DSO's mission to pursue innovative research concepts that explore frontiers in math, computation and design; limits of sensing and sensors; complex social systems; and anticipating surprise. More information about DSO's technical domains and research topics of interest may be found at <http://www.darpa.mil/about-us/offices/dso>. DOs will be announced via Presolicitation Notices issued under this Program Announcement (PA), DARPA-PA-20-01. These DOs will solicit proposals and will be open for at least 30 days from publication at <https://beta.sam.gov/>. Please send any questions regarding PA-20-01 to DARPA-PA-20-01@darpa.mil

Intelligence Advanced Research Projects Activity (IARPA)

IARPA Releases BAA Focused on COVID-19 Seedling Projects

[IARPA-BAA-20-01](#)

Phase A Proposals: July 7, 2020

IARPA has issued a broad agency announcement (BAA) soliciting proposals for unclassified seedling projects across a range of topics that are relevant to COVID-19. These include:

- Detection and Sensing;
- Supply Chain Management and Integrity;

- Geo-spatial-temporal Monitoring and Mapping, with Privacy Protection;
- Information Discovery, Information Reliability, and Collaboration Tools; and
- Modeling, Simulation, and Predictive Analytics.

IARPA intends that projects funded under this BAA will be limited in scope and duration, with the potential to lead to longer-term efforts funded through a separate BAA in the future. The BAA explicitly calls for proposals that envision revolutionary, not evolutionary, capabilities, and that focus on research questions not currently being addressed by existing IARPA programs. In addition, IARPA will give priority to proposals that “not only provide rapid capability against the current COVID-19 pandemic, but also enhanced warning and response capacity for future similar events.” Awards will be funded in two phases, with Phase A focusing on an initial proof of concept and Phase B being a demonstration. Individual award funding will be less than \$1 million for both phases and the performance period will not exceed one year. Proposals for the initial round of selections are due July 7, 2020. The BAA will remain open through May 20, 2021 in case IARPA decides to issue additional calls. The full RFI can be found at <https://beta.sam.gov> under solicitation number IARPA-BAA-20-01.

Congressionally Directed Medical Research Programs (CDMRP)

New Behavioral Health Science Award for Peer Reviewed Cancer Research Program

[W81XWH-20-PRCRP-BHSA](#)

Letters of Intent: July 30, 2020. Applications: August 27, 2020

Anticipated award amount: up to \$1M over 4 years

The DOD CDMRP recently released its fiscal year (FY) 2020 Peer Reviewed Cancer Research Program (PRCRP) funding opportunities, which include a [new](#) Behavioral Health Science Award. The Behavioral Health Science Award is seeking high-risk, high-reward research proposals that “span the spectrum of behavioral health science including prevention, survivorship, quality of life, and psychosocial research related to cancer.” Proposals should address at least one of the two PRCRP Military Health Focus Areas:

1. Military environmental/exposure risk factors associated with cancer
2. Mission Readiness (gaps in cancer prevention, early detection/diagnosis, prognosis, and/or treatment; gaps in quality of life and/or survivorship)

Proposals must also address at least one of PRCRP’s FY 2020 Topic Areas, which can be found at <https://cdmrp.army.mil/prcrp/topicareas/topicareas20>. The overall goal of the BHSA is to advance behavioral health cancer science and fill gaps in the understanding of survivorship, including investigations into the psychological health and wellbeing of those affected by cancer (e.g., patients, family members).