

From: bounce-124768839-76014006@list.cornell.edu on behalf of [Research Development at Cornell University](#)
To: [CU-RES-ADMIN-L](#)
Subject: DoD Funding & Engagement Opportunities - July 10, 2020
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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 Research Development](#).

*** Visit [Working with DoD](#) for resources for Cornell researchers, including guidance for navigating the DoD research landscape.***

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Office of Naval Research (ONR)

FY2021 Vannevar Bush Faculty Fellowship (VBFF) Program

[N00014-20-S-F006](#)

White papers: August 28, 2020. Invited proposals: January 15, 2021

Anticipated award amount: \$3 million for five years

The VBFF program supports innovative basic research within academia, as well as opportunities intended to develop the next generation of scientists and engineers for the defense workforce. This FOA seeks distinguished researchers for the purpose of conducting innovative basic research in areas of interest to the DoD and fostering long-term relationships between the VBFF Fellows and the DoD. VBFF is oriented towards bold and ambitious “blue sky” research that may lead to extraordinary outcomes such as revolutionizing entire disciplines, creating entirely new fields, or disrupting accepted theories and perspectives.

The objectives of the program are to:

- Support unclassified basic scientific and engineering research that could be the foundation for future revolutionary new capabilities for DoD.
- Educate and train student and post-doctoral researchers for the defense workforce.
- Foster long-term relationships between university researchers and the DoD.
- Familiarize university researchers and their students with DoD’s current and projected future challenges.
- Increase the number of talented technical experts that DoD can call upon.

This program is interested in a broad spectrum of scientific areas. This FOA is for single investigator grant proposals for basic research. All awardees will receive a research grant and the title of VBFF Fellow. VBFF Fellows and their students are provided with opportunities that are designed to enhance their understanding of DoD’s critical research needs and interact with DoD senior Science and Technology (S&T) program leaders. Refer to the FOA for further program

details and eligibility requirements.

Air Force Rapid Sustainment Office (AFRSO)

Advanced Manufacturing Olympics October 20-23, 2020

The Air Force's inaugural Advanced Manufacturing Olympics is an exciting week of collaboration, technical design challenges, speakers, and more, all focused on advanced manufacturing. Discover new technologies and insights from thought-leaders across government, industry, academia and small businesses. The Advanced Manufacturing Olympics is aimed at translating innovative ideas into enduring solutions. By working together through technical challenges and more, we will identify solutions for progress. There virtual week-long event will feature online training, speakers, breakout-sessions, a virtual expo, technical challenges and more. [Applications for Technical Challenge Teams are now open.](#) All interested government, industry, and academic participants are encouraged to apply. [RSVP for updates and more details on how to join this virtual experience.](#)

Air Force Research Laboratory (AFRL)

Commercialization Opportunity - Agility Prime Teamup Event July 15-16, 2020

Join the AFWERX team virtually to learn about near-term research and development funding opportunities for Agility Prime Advanced Air Mobility related technologies. Companies, research institutions, and universities will have the chance to compete for Small Business Technology Transfer (STTR) contracts that will be awarded within 90 days of the event for contract values up to \$150K. Central to the STTR program is the partnership between small businesses and non-profit research institutions (e.g. universities, hospitals, national laboratories). The STTR program requires the small business to formally sub-contract 30% of the contract amount to a non-profit research institution in Phase I and Phase II, and this event will feature an opportunity for leading stakeholders to establish those collaborative relationships. As part of the event, Air Force leaders will highlight how this expanded AFWERX and AFRL team will energize collaboration between government, industry, investors, and academia. This includes leveraging successful Airmen innovation efforts, Air Force ventures initiatives, and rapid capability transitions like Agility Prime, all coupled with the deep technical base at AFRL. [Register and learn more about the event.](#)

Congressionally Directed Medical Research Programs (CDMRP)

Pancreatic Cancer Research Program (PCARP)

The goal of the PCARP is to diminish the burden of pancreatic cancer among Service members, Veterans, their families, and the American public. The mission of the PCARP is to promote rigorous, innovative, high-impact research that leads to new pancreatic cancer diagnostic and therapeutic tools through collaboration. The PCARP was initiated in FY20 to provide support for research of exceptional scientific merit. The FY20 appropriation is \$6 million (M).

Idea Development Award

[W81XWH-20-PCARP-IDA](#)

Pre-applications: August 25, 2020. Invited applications: November 20, 2020

Anticipated award amount: up to \$500,000 direct costs (\$650,000 with the Partnering PI Option for Early-Career Investigator)

The PCARP Idea Development Award supports the development of innovative, high-risk/high reward research that could lead to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals with pancreatic cancer. This award mechanism is designed to support innovative ideas with the potential to yield impactful data and new avenues of investigation. At least one member of the research team should have experience in pancreatic cancer research as demonstrated by recent publications and funding. A biostatistician is encouraged to be included in the study team. Research must be based on preliminary data (may be from outside the pancreatic cancer research field). The FY20 Idea Development Award mechanism is offering a higher level of funding for applications that propose to partner an experienced PI (i.e., Initiating PI) with

an Early-Career Investigator (i.e., Partnering PI). Multidisciplinary and multi-organizational projects are encouraged.

Translational Research Partnership Award

[W81XWH-20-PCARP-TRPA](#)

Pre-applications: August 25, 2020. Invited applications: November 20, 2020

Anticipated award amount: up to \$750,000 direct costs for three years

The FY20 PCARP Translational Research Partnership Award supports partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in pancreatic cancer toward clinical applications. This award supports the development of translational research collaborations between two independent investigators to address a central problem or question in pancreatic cancer in a manner that would be less readily achievable through separate efforts. One partner in the collaboration must function as a research scientist and the other partner as a clinician investigator. It should be clear that both have had equal intellectual input in the design of the research project. Multi-institutional and multi-discipline partnerships are strongly encouraged. At least one partner must have expertise either in pancreatic cancer research or pancreatic cancer patient care. Inclusion of experts from outside the pancreatic cancer field is encouraged. Preliminary data that are relevant to pancreatic cancer and the proposed research project are required.

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

Assessment of Unconventional Computing Technologies Request for Information (RFI)

[DARPA-SN-20-54](#)

Responses due July 29, 2020

The DARPA Defense Sciences Office (DSO) is requesting information related to unconventional computing. This RFI seeks to inform such an analysis by asking respondents to frame advantages of their particular unconventional computing approach in several areas, including the model on which it is based, algorithms that may be executed, and programmability. DSO will analyze responses across this common framework and may organize a workshop for select respondents to discuss their viewpoints and share insights and challenges across various approaches. The workshop may be used to inform future unconventional computing investments. For purposes of this RFI, an unconventional computing approach encompasses the physical instantiation of the initial problem state, transition to a solution state, and means of observing the solution state.

Respondents should address the following three technical aspects for a single unconventional computing approach:

- Unconventional computing model, device, and architecture
- Algorithms
- Languages, programmability, and control methods

Multiple submissions by a single organization are permitted to address multiple unconventional computing approaches. Responses must be emailed to DARPA-SN-20-54@darpa.mil.

Office of Sponsored Programs and Research Development

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