

From: bounce-124801173-85347729@list.cornell.edu on behalf of [Research Development at Cornell University](#)
To: [CU-RES-ADMIN-L](#)
Subject: DoD Funding & Engagement Opportunities - July 24, 2020
Date: Friday, July 24, 2020 1:33:03 PM

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 other resources, including guidance for navigating the DoD research landscape.***

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Upcoming Trainings and Events

Presented by Cornell Research Development: Getting DoD Funding Wednesday, August 12, 10:30am-12:00pm (ET)

Join us for an interactive panel discussion with successful PIs about how to go after and win funding from the Department of Defense and DARPA. We will cover agency missions, funding priorities, working with Program Officers, proposal types from Young Investigator Program (YIP) to Multidisciplinary University Research Initiative (MURI), and tips in how to write a winning DoD proposal.

[Register for virtual workshop.](#)

Scheduled Panel:

- Darrell Schlom, Herbert Fisk Johnson Professor of Industrial Chemistry, Materials Science & Engineering
- James Hwang, Mary Shepard B. Upson Visiting Professor, Materials Science & Engineering
- Zhiting Tian, Associate Professor, Sibley School of Mechanical & Aerospace Engineering

- Matthew Miller, Professor, Sibley School of Mechanical & Aerospace Engineering
- Robert Shepherd, Associate Professor, Sibley School of Mechanical & Aerospace Engineering
- David Muller, Samuel B. Eckert Professor of Engineering, Applied & Engineering Physics

DARPA Electronics Resurgence Initiative (ERI) Summit and Microsystems Technology Office (MTO) Symposium August 18-20, 2020

This annual event brings together leaders from across the electronics ecosystem – spanning government, defense, academia, and industry – to foster collaboration and share technical progress on DARPA’s five-year, \$1.5 billion dollar investment into the advancement of the U.S. semiconductor industry. To ensure the health and safety of the more than 1,000 expected attendees, the 2020 Summit will be hosted on a world-class, immersive, and entirely virtual platform with built-in features for live presentations, online interaction, exhibits, and networking.

- Event registration is currently open and available at eri-summit.darpa.mil. Registration will be capped at 1,500 attendees, with a potential cap of 50 attendees per organization. Early registration is strongly recommended. Registration will close on July 27, 2020, or once attendance capacity is met, whichever comes first. Registration fees are \$50 per attendee. The virtual platform will only be available to registered attendees. Registration will not be available during the virtual event.

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

REMINDER: Innovare Million Dollar International Quantum U Tech Accelerator [Request for White Papers](#)

White Papers: August 4, 2020

Anticipated award amount: \$75,000 for one year

The Air Force Research Laboratory (AFRL) Information Directorate in partnership with the Air Force Office of Scientific Research recently announced this special opportunity as the kick-off event for the opening of Innovare Advancement Center. The center is a globally connected, world-class facility acting as a lightning rod for top scientific, engineering, and entrepreneurial talent to leverage highly specialized resources and accelerate both expertise and innovation in critical

research areas, including artificial intelligence/machine learning, cybersecurity, and quantum information science. The Million Dollar International Quantum U Tech Accelerator is open to university proposers, both nationally and internationally.

- Proposers must submit a 1-2 page white paper, and selected applicants will be invited to pitch at the virtual event taking place from September 1-3, 2020. Pitches will cover one of four distinct tracks: Communication, Computing, Sensing, or Timing, which all represent critical areas for AFRL and will help advance the center's mission to build a magnetic ecosystem in which the world's leading scientific and entrepreneurial talent tackle the greatest challenges to national security and economic competitiveness. Pitches selected at the completion of the virtual event will be invited to submit a formal proposal within 30 days to an AFOSR Broad Agency Announcement (BAA).

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.

DoD Research Offices

FY2021 Multidisciplinary Research Program of the University Research Initiative

(MURI)

Full proposals: September 14, 2020

Typical award amount: \$1.25-\$1.5 million annual funding per grant

The Multidisciplinary University Research Initiative (MURI), one element of the University Research Initiative (URI), is sponsored by the DoD research offices (Office of Naval Research (ONR), Army Research Office (ARO), and Air Force Office of Scientific Research (AFOSR)). The MURI program addresses high-risk basic research and attempts to understand or achieve something that has never been done before. The program was initiated over 25 years ago and it has regularly produced significant scientific breakthroughs with far reaching consequences to the fields of science, economic growth, and revolutionary new military technologies. The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD.

The 2021 program solicits proposals in 27 Topic Areas. See agency FOAs for further information:

- ONR # [N00014-20-S-F003](#)
- ARO # [W911NF-20-S-0009](#)
- AFOSR # [FOA-AFRL-AFOSR-2020-0002](#)

Congressionally Directed Medical Research Programs (CDMRP)

Scleroderma Research Program (SRP)

The SRP supports innovative research toward decreasing the impact of scleroderma on Service members, Veterans and the American public. The program's overarching vision is to combat scleroderma through a partnership of scientists, clinicians and consumers. Its mission is to fund and facilitate the most promising, highest quality research aimed at improved therapies, and ultimately, a cure for scleroderma. In FY20, Congress directed \$5M to scleroderma research in the Defense Appropriations Act.

SRP Idea Development Award

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

Pre-applications: September 9, 2020. Invited full applications: December 4, 2020.

Anticipated award amount: up to \$300,000 direct costs for single PI proposals or \$450,000 for New Investigator Collaboration proposals

The Idea Development Award promotes ideas that are still in the early stages of development and have the potential to yield high-impact findings and new avenues of investigation. This award mechanism supports conceptually innovative high-risk/high-reward research that could lead to critical discoveries or major advancements in scleroderma research and/or improvements in patient care. Research projects should include a well-formulated, testable hypothesis based on strong preliminary data and scientific rationale. The FY20 SRP IDA mechanism encourages applications in which an established scleroderma researcher (as demonstrated by current funding and recent publications) partners with a New Investigator in the early stages of their career. The New Investigator Collaboration Option is designed to support the continued development of promising independent investigators that are early in their faculty appointments.

SRP Translational Partnership Award

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

Pre-applications: September 9, 2020. Invited full applications: December 4, 2020.

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

The FY20 SRP TRPA mechanism supports partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in scleroderma into clinical applications. This award supports the development of translational research collaborations between two or more investigators to address a central problem or question in scleroderma in a manner that would be less readily achievable through separate efforts. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or clinician's firsthand knowledge of patients and

anecdotal data. One partner in the collaboration must be a research scientist and another must be a clinician. In addition, one partner (research scientist or clinician) in the collaboration must be a New Investigator. Multi-institutional partnerships are encouraged. At least one member of the partnership must have experience in either scleroderma research or scleroderma patient care as demonstrated by active funding and/or recent publications.

Office of Sponsored Programs and Research Development

Cornell University | 373 Pine Tree Rd. | Ithaca, NY 14850

T (607) 254-2327 | F (607) 255-5058 | [Research Services](#)

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