

Issue: May 20, 2020

Email: [proposalsupport@tamu.edu](mailto:proposalsupport@tamu.edu)**COVID-19 Updates & Opportunities**

[Watch out for the Special COVID-19 Edition on Fridays]

<https://tees.tamu.edu/covid-19/index.html>COVID-19 Request for Information (RFI): [Click Here](#)COVID-19 Research Opportunities (NetID Login Required): [Click Here](#)**Funding Opportunities**

*A database with a more in-depth review of funding opportunities including details such as funding size, sponsor, and topic can be found [HERE](#).*

(Items denoted with: **LS** – Limited Submission, **JF** – Junior Faculty)

**LIMITED SUBMISSIONS**

The Division of Research has implemented a brand new proposal submission and review portal. The system will be used for limited submissions and most internal grant programs. You will find available opportunities [here](#).

*National Science Foundation (NSF) ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions* ([link](#)) – Declare Intent By June 1, 2020

*Edward Mallinckrodt, Jr. Foundation Mallinckrodt Grants* ([link](#)) – Internal Proposal Due June 3, 2020

*American Honda Foundation (AHF) Grants* ([link](#)) – Internal Proposal Due June 5, 2020

*W.M. Keck Foundation Keck Research Grants in Medicine and Science & Engineering* ([link](#)) – Internal Proposal Due June 8, 2020

*National Science Foundation NSF Research Experiences for Teachers (RET) in Engineering and Computer Science – Supplements and Sites* ([link](#)) – Internal Proposal Due June 25, 2020

**NEW – EXTERNAL****CESMII – Smart Manufacturing Institute**

*CESMII Open Project Calls: RFP2 - Wave 3 & RFP2 - Wave 4* ([link](#)) – RFP2 - Wave 3 Proposals Due June 19, 2020; RFP2 - Wave 4 Proposals Due June 8, 2020; Proposals must be submitted to [roadmapprojects.info@cesmii.org](mailto:roadmapprojects.info@cesmii.org) in order to be accepted. – A total of \$3.5 million in Federal funding is being made available through these RFPs. Wave 3 is making approximately \$1 million available for approximately 8 new projects, and Wave 4 is making \$2.5 million available for up to 25 projects. Applicants will need to provide matching funds to bring the total project value for both Waves to \$7 million.

## Department of Defense (DOD)

**DARPA Disruptioneering** ([link](#)) – Closing Date: May 13, 2021 – Proposals submitted in response to a DO must be UNCLASSIFIED and must address two independent and sequential project phases (a Phase 1 Feasibility Study (base) and a Phase 2 Proof of Concept (option)). The periods of performance for these phases are specific to each DO, and may vary slightly, but are anticipated to be approximately 3-9 months for the Phase 1 base effort and 9-15 months for the Phase 2 option effort. The total award value for the combined Phase 1 base and Phase 2 option is limited to \$1,000,000.

**DARPA Organizational Modeling SBIR Opportunity (Direct to Phase II – DP2)** ([link](#)) – Full Due June 29, 2020 – This SBO is issued under the Broad Agency Announcement (BAA) for SBIR/STTR, HR001120S0019. All proposals in response to the technical area(s) described herein will be submitted in accordance with the instructions provided under HR001120S0019, found here:

<https://beta.sam.gov/opp/b8abeb02f16a4450b2c2f859fc00c177/view>.

**DARPA Broad Agency Announcement Demonstration Rocket for Agile Cislunar Operations (DRACO)** ([link](#)) – Full Due July 29, 2020 - Multiple awards are anticipated for each track solicited under this BAA, based on funding availability.

**DARPA Ion Mobility Spectrometry Data Collection (IMSDC) Request for Information (RFI)** ([link](#)) – Response Due June 15, 2020

**DARPA Request for Information (RFI) – Torpedo Defense** ([link](#)) – Response Due June 15, 2020

## Department of Energy (DOE)

**FY2020 AMO Critical Materials FOA: Next-Generation Technologies and Field Validation** ([link](#)) – Concept Papers Due June 25, 2020; Full Due August 8, 2020 – Expected Funding: Approximately \$30 million. Expected Number of Awards: Approximately 5-10 awards. EERE may issue one, multiple, or no awards. Individual awards may be up to \$10 million for Topic Area 1 Areas of Interest 1 and 2 projects, one project up to \$30 million under Topic Area 1 Area of Interest 3, and \$500,000 for Topic Area 2 projects.

**Advanced Reactor Demonstration Synopsis 3** ([link](#)) – Industry Day: June 3, 2020; LOI Due June 11, 2020; Full Due August 12, 2020 – Estimated Funding and Number of Awards: Demos \$160 Million; DOE will use this between the two awards, with \$80 Million to initiate each award; Risk Reduction \$30 Million; DOE will use this to initiate the 2 to 5 awards selected; ARC-20 Approximately \$20 Million; DOE will use this to initiate at least two ARC-20 awards

## Georgia Pacific

**Low-cost compostable foam replacement** ([link](#)) – Pre-proposal Due May 31, 2020

## National Institutes of Health (NIH)

**Request for Information (RFI) on Developing an Online Educational Resource for Training in the Principles of Rigorous Research** ([link](#)) - Response Due August 1, 2020

### NIH Using New FORMS-F for Grant Applications

NIH is transitioning to an updated set of application forms we refer to as FORMS-F. Use FORMS-F forms for grant application due dates on or after May 25, 2020. For more information, visit the [NIH website](#).

## **National Science Foundation (NSF)**

**LS ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions (ADVANCE)** ([link](#)) – LOI Due **August 3, 2020** (Required for Adaptation and Partnership track); Preliminary Proposal Due **April 22, 2021** (IT-Preliminary proposal Target Date - preliminary proposals are only required for institutions of higher education that want to submit a full Institutional Transformation proposal. IT-preliminary proposals are accepted before and after the target date); **Full Due November 4, 2021** (Partnership and Adaptation full proposal deadline); **Full Due August 7, 2020** (Catalyst proposals); **Full Due October 7, 2021** (Institutional Transformation proposals) **Note: It's important to read the solicitation for due date information and revision notes.** – In each year, NSF expects to make approximately: 6 Adaptation awards up to \$1,000,000 for three-year long projects; 6 Partnership awards up to \$1,000,000 for up to five-year long projects; and 4 Catalyst awards up to \$300K for two years. Additionally, in FY 2021, the program anticipates making up to two Institutional Transformation awards for up to \$3,000,000 for five-years. Anticipated Funding Amount: \$29,000,000.

**NSF-DFG Lead Agency Activity in Electrosynthesis and Electrocatalysis (NSF-DFG EChem)** ([link](#)) – Full Due September 30, 2020; An Expression of Interest (EOI) must be submitted to [NSFDFG@nsf.gov](mailto:NSFDFG@nsf.gov) by July 1, 2020, prior to the submission of a full proposal. – Estimated Number of Awards: 4 to 10; Anticipated Funding Amount: \$2,000,000 to \$5,000,000.

**American's Seed Fund SBIR/STTR** ([link](#)) – Phase I Due Date Windows: March 6, 2020 - June 4, 2020; June 5 2020 - September 3, 2020; September 4, 2020 - December 3, 2020 – If your proposal is accepted, you'll receive funding of up to \$256,000 and begin Phase I research and development. Note: Phase II proposals are also accepted.

**Centers for Chemical Innovation(CCI) Phase I Awards and New/Renewal Phase II Centers** ([link](#)) – Phase I Preliminary Proposals Due August 11, 2020; Phase II Full Proposals Due January 14, 2021; Phase I Full Proposals, by invitation only, Due February 17, 2021 – In FY 2021, NSF anticipates making up to three new Phase I awards (each up to \$1,800,000 for 3 years) as standard or continuing grants. NSF also anticipates up to one new Phase II award (up to \$4,000,000 per year for 5 years) as a cooperative agreement. Anticipated Funding Amount: \$9,400,000.

**Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS)** ([link](#)) – Full Proposal Window: September 1, 2020 - September 18, 2020 – The joint DMS/NIGMS initiative offers two submission tracks: Track 1 - for projects with a total budget of up to \$600,000 and an award duration of 3 years, and Track 2 - for projects with a total budget of up to \$1,200,000 and award duration of 3-4 years.

**Discovery Research PreK-12 (DRK-12)** ([link](#)) – Full Due October 7, 2020 – It is anticipated that about 12-15 Level I awards, 30-35 Level II awards, 5-7 Level III awards, and 3 Conference/Synthesis awards will be made in FY 2021, pending availability of funds. A Resource Center with a budget of up to \$3,500,000 will also be supported for a duration of 3 years in the 2021 fiscal year. Anticipated Funding Amount: \$60,000,000 to \$64,000,000

**Dear Colleague Letter: Pilot Projects to Integrate Existing Data and Data-Focused Cyberinfrastructure to Enable Community-level Discovery Pathways** ([link](#))

National Science Foundation's (NSF) Directorate for Engineering's Division of Industrial Innovation and Partnerships (IIP) – Job Opportunities

- [Program Director \(Innovation Corps Program\)](#)
- [Program Director \(Small Business Innovation Research Program\)](#)
- [Deputy Division Director, Division of Industrial Innovation and Partnerships, ENG](#)
- [Program Director, Partnership for Innovation \(PFI\) Program](#)

## PREVIOUSLY NOTATED OPPORTUNITIES

*NIST Standards Services Curricula Development Cooperative Agreement Program (SSCD CAP)* ([link](#))

*NIST National Initiative for Cybersecurity Education (NICE) K12 Cybersecurity Education Outreach Program* ([link](#))

*DOD 2020 Office of Naval Research (ONR) Global Research Opportunity: Global-X Challenge* ([link](#))

*DARPA Adaptive Warfighting Architectures* ([link](#))

*ARPA-E Ultrahigh Temperature Impervious Materials Advancing Turbine Efficiency (ULTIMATE)* ([link](#))

*ARPA-E Ultrahigh Temperature Impervious Materials Advancing Turbine Efficiency (ULTIMATE) SBIR/STTR* ([link](#))

*NASA ROSES 2020: Advanced Component Technology* ([link](#))

*NIH New Informatics Tools and Methods to Enhance U.S. Cancer Surveillance Research (U01 Clinical Trial Optional)* ([link](#))

*NSF Program on Fairness in Artificial Intelligence in Collaboration with Amazon (FAI)* ([link](#))

**LS** *Edward Mallinckrodt, Jr. Foundation Mallinckrodt Grants* ([link](#))



## Junior Faculty Opportunities

### CURRENT & FUTURE

- **Young Investigators Programs** ([link](#))
- **Junior Faculty Targeted Funding Opportunities** ([link](#))
- **Young Investigator Awards** ([link](#))
- **IF** *NSF Faculty Early Career Development Program (CAREER)* ([link](#)) – Full (for All Directorates) Due July 27, 2020 – Estimated Number of Awards: 500 per year; Anticipated Funding Amount: \$250,000,000.

Funds are available to help Assistant Professors in visiting funding agency program officers at DoD, DoE, NSF, DARPA, etc., when they are ready. Readiness will be assessed by Dr. Z.J. Pei based on a justification statement submitted by the faculty member, including expertise, experience, and research ideas. TEES will pay up to half of the cost of travel to Washington, D.C., for an approved Assistant Professor. Please contact Dr. Z.J. Pei, TEES Director of Research Development, at [zjpei@tamu.edu](mailto:zjpei@tamu.edu) for more information.



## Student/Postdoctoral Opportunities

### CURRENT & FUTURE

**Qatar National Research Fund (QNRF) Graduate Sponsorship Research Award (GSRA)** ([link](#)) – **Deadline Extended** for Online Proposal Submission: Monday, June 4, 2020, noon, Doha time



## Upcoming Events

For all events, registration, and information, please visit ([link](#)).

### EXTERNAL

#### **HPC4 Energy Innovation Spring 2020 Solicitation Webinar**

May 20, 2020, 11:30 a.m. PT (1:30 p.m. CT)

[Information and Registration](#)

[Information and Registration](#)

#### **NSF Partnerships for Innovation (PFI) Q&A Office Hours Webinars**

May 28, 2020, 2:00 p.m. ET (1:00 p.m. CT) - [Registration](#)

June 11, 2020, 2:00 p.m. ET (1:00 p.m. CT) - [Registration](#)

June 25, 2020, 2:00 p.m. ET (1:00 p.m. CT) - [Registration](#)

July 2, 2020, 2:00 p.m. ET (1:00 p.m. CT) - [Registration](#)

[Information](#)

#### **DARPA M0N0 Subthreshold Ultra-low Power Processor Virtual Workshop**

May 21, 2020, 8:00 a.m. – 12:00 p.m. PT (10:00 a.m. – 2:00 p.m. CT)

[Information and Registration](#)

#### **NSF CBET CAREER Webinar and Breakout Sessions**

May 22, 2020, 1:00 p.m. – 3:00 p.m. ET (12:00 p.m. – 2:00 p.m. CT)

[Information and Registration](#)

#### **Wright Brothers Institute (WBI) in partnership with Air Force Research Laboratory (AFRL) Second AF Synthetic Biology Challenge Zoom Q&A Session**

May 27, 2020, 11:00 a.m. ET (10:00 a.m. CT)

[Registration](#)

#### **TAMU Division of Research/Hanover Research – DOD Grantsmanship Training: Securing Department of Defense Funding for Research & Development (Via Zoom)**

June 5, 2020, 10:30 a.m. - 11:30 a.m. CT

[Information and Registration](#)

#### **DOE Virtual Workshop: SScale-up and Advanced Learnings from Equipment Usage and Predictive Modeling (SCALE-UP)**

June 9-11, 2020

[Information and Registration](#)

### *ASEE's Virtual Conference*

June 22-26, 2020

[Information and Registration](#)

### *DARPA Discover DSO Day (D3) Webinar*

June 24-25, 2020

[Information and Registration](#)

Hanover Webinar "COVID-19 and Engineering Research Opportunities"

If you were unable to attend the webinar, please see the link below to review the recording:

[https://service.ringcentral.com/recording/play/oSV0V4Tz2KMXPrp4Yky9w6wG8ox0BWqby\\_P\\_QTN-FclU9KyU76ElxGAWKP3xK9pb](https://service.ringcentral.com/recording/play/oSV0V4Tz2KMXPrp4Yky9w6wG8ox0BWqby_P_QTN-FclU9KyU76ElxGAWKP3xK9pb)

The slides are attached to the Engineering Research Digest email.



## Resources

- NSF Broader Impact Expo List of Resources ([link](#))
- Funding Opportunities Spreadsheet ([link](#))
- Facilities ([link](#))
- Education/Broader Impacts Requirements ([link](#))

### TEES RESEARCH DEVELOPMENT – PROPOSAL DEVELOPMENT SERVICES

- NSF CAREER workshops geared towards supporting junior faculty
- Proofreading, editing, and rewriting to refine project narratives and summaries
- Graphics
- Quality Check proposal packages for completion and compliance
- Format and update supplementary documents to have cohesive appearance on large proposals
- Develop checklists based on the solicitation
- Develop templates for supplementary documents and draft budget justification
- Serve as liaison between SRS and subcontractors.

#### RESEARCH DEVELOPMENT TEAM

Dr. Sharmila Pathikonda, Sharon McCord, Amber Mastrobattista, and Dr. Sindhu Jose

#### CONTACT US

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For questions, email [proposalsupport@tamu.edu](mailto:proposalsupport@tamu.edu).