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Research, Funding News

**HSI Status of UNT and Strategies for New Funding Opportunities:** Recently recognized as a Hispanic Serving Institution (HSI), this designation qualifies UNT to seek research and education funding directed by the U.S. Congress under the Education Act Title III and V programs. In addition, UNT faculty can also pursue funding set aside for Minority Serving Institutions (MSI) across all federal agencies. CENG will hold a Zoom HSI discussion forum on Thursday June 4th, 2020, led by Dr. Kuruvilla John. 

**Registration** is encouraged.

Starting July 2020, all proposals in Cayuse SP will be routed to department/s and college for review before being sent to GCA. Proposals requesting (i) any cost share or match, (ii) buy-out or release from teaching, (iii) new or renovated space, (iv) modification of indirect cost (F&A/IDC) distribution, or (v) modification of programs or courses will need department/s and college’s approval. PI should send the above request/s to department chair and the Associate Dean for Research 10 to 14 days prior to the agency deadline.

Funding opportunities related to COVID-19 research can be accessed at [https://research.unt.edu/research-funding-opportunities/funding-announcements-and-opportunities-related-covid-19](https://research.unt.edu/research-funding-opportunities/funding-announcements-and-opportunities-related-covid-19). Many are foundations and private funding sources, so please contact Naomi Wood or Brittany Causey if you have any questions.

Beginning June 1, NSF will implement the Proposal and Award Policies and Procedures Guide (PAPPG) (NSF 20-1) for proposals submitted or due on or after this date. NSF has delayed the requirement to use NSF-approved formats for the biographical sketch and current and pending support sections of NSF proposals until October 5, 2020. Proposers must continue to format these documents in accordance with PAPPG requirements. Webinars covering the use of NSF-approved formats as well as all of the significant changes to the PAPPG are available on the [NSF Policy Outreach website](https://engineering.unt.edu/research-services).

Grant Application Process

**GO Request**

GO requests should be done as soon as possible.

**Department and College Review**

Applications requiring cost share, buy-out or release from teaching, modification of IDC distribution

**College Review**

Applications not requiring additional approval

**Application Due date**

Consultant Services

PIs requesting consulting services for their proposals.

**Department and College Review**

Applications requiring new or renovated space, modification of programs or courses

**OGCA Review**

Provide application documents to GCA for review

[https://engineering.unt.edu/research-services](https://engineering.unt.edu/research-services)
### Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

| PI: Cheng Yu | Department: Engineering Technology | Project Title: Analysis of Nucor Bolted Connections for Cold-Formed Steel | Sponsor: Nucor Buildings Group | Project Period: 6/1/2020 - 9/1/2020 | Award: $11,000.00 |
| PI: Rajiv Mishra | Department: Materials Science & Engineering | Project Title: Design-to-Component, Closed-Loop ICME Development of Additive Manufacturing Alloys for Naval Applications | Sponsor: University of Central Florida | Project Period: 11/1/2020 - 6/30/2021 | Award: $74,974.00 |
| PI: Cheng Yu | Department: Engineering Technology | Project Title: Analysis of Cold-Formed Steel Framed Shear Walls Sheathed by MegaBoard | Sponsor: Ectek International Inc. | Project Period: 6/1/2020 - 6/30/2020 | Award: $13,000.00 |
| PI: Anupama Kaul | Department: Materials Science & Engineering, Electrical Engineering | Project Title: REU Supplement to EAGER: Black Phosphorus For Tunable Wide Bandwidth Sensor Arrays | Sponsor: National Science Foundation - NSF | Project Period: 4/20/2020 - 6/30/2020 | Award: $8,000.00 |
| PI: Eduardo Blanco Villar | Department: Computer Science & Engineering | Project Title: REU Supplement to CAREER: Understanding Negation in Positive Terms | Sponsor: National Science Foundation - NSF | Project Period: 4/20/2020 - 1/31/2024 | Award: $8,000.00 |
| PI: Marcus Young | Department: Materials Science & Engineering | Project Title: Mechanical and Microstructural Study of Welded Steels | Sponsor: National Energy Technology Laboratory (NETL) | Project Period: 3/27/2020 - 6/28/2020 | Award: $30,000.00 |
| PI: Eduardo Blanco Villar | Department: Computer Science & Engineering | Project Title: NLP for Medication Adherence: Complex Semantics and Negation | Sponsor: University of Texas Health Science Center at Houston | Project Period: 3/1/2020 - 2/28/2021 | Award: $81,176.00 |
| PI: Eduardo Blanco Villar | Department: Computer Science & Engineering | Project Title: Mining Spatiotemporal Knowledge from Language and Images | Sponsor: National Geospatial-Intelligence Agency - NGA | Project Period: 4/1/2020 - 3/31/2022 | Award: $199,327.00 |
Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: Cheng Yu  
Department: Engineering Technology  
Project Title: Analysis of Cold-Formed Steel Framed Shear Walls Sheathed by MegaBoard  
Sponsor: Ectek International Inc.  
Project Period: 4/1/2020 - 4/30/2020  
Award: $500.00

PI: Mark Albert  
Department: Computer Science & Engineering, Biomedical Engineering  
Project Title: 79151 Machine Learning Techniques for Gait Data to Support Evidence Based Decision Making  
Sponsor: Shriners Hospitals for Children  
Project Period: 1/1/2020 - 12/31/2021  
Award: $35,915.00

PI: Armin Mikler  
Co-PI: Martin O'Neill  
Department: Institute of Applied Sciences  
Project Title: LA-County Web-REPLAN  
Sponsor: Los Angeles County  
Project Period: 3/19/2020 - 6/30/2020  
Award: $13,440.00

PI: Song Fu  
Department: Computer Science & Engineering  
Project Title: Exploring Declustered RAID and Proactive Data Protection to Develop Always-On HPC Storage Systems  
Sponsor: Los Alamos National Laboratory - LANL  
Project Period: 3/19/2020 - 10/31/2020  
Award: $60,000.00

PI: Zhenhua Huang  
Department: Engineering Technology  
Project Title: CIF21 DIBBS: EI: VIFI: Virtual Information-Fabric Infrastructure (VIFI) for Data-Driven Decisions from Distributed Data  
Sponsor: Cleveland State University  
Project Period: 8/1/2019 - 9/30/2020  
Award: $51,652.00

PI: Weihuan Zhao  
Department: Mechanical & Energy Engineering  
Project Title: Development and Prototype Testing of a Solar-Concentrated Seawater Desalination System  
Sponsor: Solar Solution LLC.  
Project Period: 3/1/2020 - 2/28/2022  
Award: $34,304.00

PI: Haifeng Zhang  
Department: Mechanical & Energy Engineering  
Project Title: Smart Multimodal Acousto-optic Sensors for Integrated Measurement of Advanced Reactor Process Parameters  
Sponsor: Pacific Northwest National Laboratory - PNNL  
Project Period: 2/17/2020 - 8/31/2022  
Award: $400,000.00

PI: Diana Berman  
Department: Materials Science & Engineering  
Project Title: Materials characterizations for sensing applications  
Sponsor: Honeywell International Inc.  
Project Period: 1/1/2020 - 8/9/2020  
Award: $35,000.00

PI: Marcus Young  
Department: Materials Science & Engineering  
Project Title: Characterization of Pb-based Batteries  
Sponsor: RSR Technologies, Inc.  
Project Period: 3/1/2020 - 2/28/2021  
Award: $85,000.00
National Science Foundation

Faculty Early Career Development Program (CAREER)
Type of Award: Standard Grant or Continuing Grant;
Anticipated Funding: $250M;
Number of Awards: 500;
Solicitation ID: NSF 20-525
Full proposal due: July 27, 2020

NSF-DFG Lead Agency Activity in Electrosynthesis and Electrocatalysis (NSF-DFG EChem)
Anticipated Funding: $5M;
Solicitation ID: NSF 20-578
Letters of Intent due: Jul 1, 2020
Full proposal due: Sep 30, 2020

Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)
Anticipated Funding: $10M; $175K for 24 months;
Solicitation ID: NSF 19-579
Full proposal due: Aug 12, 2020

PFE: Research Initiation in Engineering Formation (PFE:RIEF)
Anticipated Funding: $200k for 24 months; 15 awards;
Solicitation ID: NSF 20-558
Full proposal due: Nov 10, 2021

Plant Biotic Interactions
Anticipated Funding: $18.5M;
Solicitation ID: NSF 20-576
Proposals Accepted Anytime

(Limited) Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)
Anticipated Funding: $2M - $3M;
Solicitation ID: NSF 20-569
Letters of Intent due: Oct 5, 2020
Full proposal due: Jan 26, 2021

National Institute of Health

NIH Director’s Emergency Transformative Research Awards (R01 Clinical Trial Optional)
This FOA solicits applications responsive only to the COVID-19 public health emergency through support of the CARES Act. All other Transformative Research Award applications must be submitted in response to RFA-RM-20-013.
FOA: RFA-RM-20-020
Full proposal due: Sep 30, 2020

NIH Director’s Emergency Early Independence Awards (DP5 Clinical Trial Optional)
This FOA solicits applications responsive only to the COVID-19 public health emergency through support of the CARES Act. All other Early Independence Award applications must be submitted in response to RFA-RM-20-014.
FOA: RFA-RM-20-021
$250K in direct costs per year.
LOIs due: Aug 4, 2020
Full proposal due: Sep 4, 2020

NIH Director’s New Innovator Award Program (DP2 Clinical Trial Optional)
FOA: RFA-RM-20-012
$1.5M in direct costs for five years.
Full proposal due: Aug 21, 2020

NIH Director’s Pioneer Award Program (DP1 Clinical Trial Optional)
FOA: RFA-RM-20-011
$700K in direct costs per year.
Full proposal due: Sep 11, 2020

NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
FOA: PA-20-200
$50K in direct costs per year, up to two years.
Full proposal due: Jun 16, 2020 (Standard dates apply)
FUNDING OPPORTUNITIES

NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)
FOA: PA-20-195
Full proposal due: Jun 16, 2020 (Standard dates apply)

NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)
FOA: PA-20-185
Full proposal due: Jul 5, 2020 (Standard dates apply)

NASA

ROSES 2020: The New (Early Career) Investigator Program in Earth Science
Solicitation: NNH20ZDA001N-NIP
Full proposal due: Sep 20, 2020

ROSES 2020: Space Weather Science Application Operations-to-Research
Solicitation: NNH20ZDA001N-SWO2R
Step 1 Proposal due: Dec 16, 2020
Step 2 Proposal due: Feb 17, 2021

ROSES 2020: Heliophysics Supporting Research
Solicitation: NNH20ZDA001N-HSR
Full proposal due: Nov 18, 2020

Department of Defense

FY20 Funding Opportunity Announcement (FOA) for the Department of Navy (DoN) Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program
Solicitation: N00014-20-S-F005
White Paper due: Jun 12, 2020
Proposal due: Aug 28, 2020

Department of Energy

Small-Scale Solid Oxide Fuel Cell Systems and Hybrid Electrolyzer Technology Development
Solicitation: DE-FOA-0002300
Total program funding: $30M
Letter of Intent due: Jun 26, 2020
Full Application due: Jul 27, 2020

FY20 Advanced Manufacturing Office Multi-Topic FOA
Solicitation: DE-FOA-0002252
Total program funding: $67M
Letter of Intent due: Jun 25, 2020
Full Application due: Aug 26, 2020

FY2020 AMO Critical Materials FOA: Next-Generation Technologies and Field Validation
Solicitation: DE-FOA-0002322
Concept Paper due: Jun 25, 2020
Proposal due: Aug 11, 2020
CENG HSI Status of UNT and Strategies for New Funding Opportunities Zoom Discussion forum
Thu, 06/04/2020 - 10:00am
The forum is intended for all faculty interested in this game changing development for UNT and will be run via Zoom.
Registration is encouraged.

UNT Building the Research Enterprise and Knowledge Sessions (BREAKS)
BI-Weekly Zoom Discussions in June:

1. Human Subjects Research
Learn how to navigate the IRB process and Cayuse IRB.
Thu, 06/04/2020 - 4:00 - 5:00pm

2. Disclosing Intellectual Property
Learn how to work with technology transfer, why the activity is important to UNT, and how to begin the process.
Thu, 06/18/2020 - 4:00 - 5:00pm

DARPA Discover DSO Day (D3) Webinar
June 24-25, 2020 - 1:00 - 2:00 PM
The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is sponsoring the Discover DSO Day (D3) event to provide information to potential proposers on the objectives of the DSO Office-wide Broad Agency Announcement (BAA). The goals of this event are to: (1) familiarize participants with DSO’s mission; (2) promote understanding of the anticipated Office-wide BAA; and (3) facilitate discussions with potential performers.
DARPA anticipates releasing the DSO Office-wide BAA in June 2020.
Registration closes: Tuesday, June 17, 2020 at 4:00 PM or when capacity is reached, whichever comes first.

FUNDING SEARCH ENGINES

Federal Grants World
https://grants.gov

PIVOT– 26,000 Funding Opportunity Database
https://pivot.proquest.com

Fed biz opps– Federal Business Opportunities
https://www.fbo.gov

Nine Sigma—Open Innovations Community
www.ninesigma.com