Research, Funding News

Our Faculty are invited to register for grant proposal planning and writing workshops on Nov 30—Dec 3, 2020 and Apr 5—8, 2021. Research and Innovation is partnering with the distinguished AtKisson Training Group LLC, to deliver two four-day grant writing workshops focused on proposal preparation and review processes that lead to increased external funding submission success.

The National Science Foundation (NSF) will host Electronic Research Administration (ERA) Forum Webinar on November 5, 2020. The topics for this Forum webinar will cover the Migrating Proposal Preparation from FastLane to Research.gov including a timeline of capabilities, New Research.gov Proposal Preparation Demonstration Site, SciENcv – Overview of Capabilities for Preparing Biographical Sketch and Current and Pending Support Documents, and information about PI Transfers. Please register now.

Join the National Science Foundation (NSF) for the first NSF Virtual Grants Conference, to be held during the weeks of November 16 and November 30, 2020. NSF staff will be providing up-to-date information about the proposal and award process, specific funding opportunities and answering attendee questions. Each conference session will have its own Zoom registration link.

White House Strategy Names 20 Emerging Technologies Crucial to National Security: The White House released 2020 National Strategy for Critical and Emerging Technologies, which outlines how the United States will promote and protect our competitive edge in fields such as artificial intelligence, energy, quantum information science, communication and networking technologies, semiconductors, military, and space technologies. (the full document).

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

Consultant Services
Pls 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
Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

**PI:** Jincheng Du  
**Department:** Materials Science & Engineering  
**Project Title:** Center for Performance and Design of Nuclear Waste Forms and Containers (WastePD)  
**Sponsor:** The Ohio State University  
**Project Period:** 8/1/2020 - 7/31/2022  
**Award:** $130,000.00

**PI:** Haifeng Zhang  
**Department:** Mechanical Engineering  
**Project Title:** Development of Surface Acoustic Wave Wireless Sensor System for Real-time Monitoring Respirator of Fit  
**Sponsor:** Centers for Disease Control & Prevention - CDC  
**Project Period:** 9/1/2020 - 8/31/2022  
**Award:** $120,000.00

**PI:** Ramanamurthy Dantu  
**Co-PI:** Mark Thompson  
**Department:** Computer Science & Engineering  
**Project Title:** 2020 CAE Fordham University Grant  
**Sponsor:** Fordham University  
**Project Period:** 9/18/2020 - 9/30/2022  
**Award:** $221,387.48

**PI:** Jincheng Du  
**Department:** Materials Science & Engineering  
**Project Title:** AGC-UNT collaborative research project on simulations of multicomponent oxide glasses and glass/water reactions  
**Sponsor:** Asahi Glass Co., Ltd.  
**Project Period:** 10/1/2020 - 9/30/2021  
**Award:** $55,000.00

**PI:** Melanie Ecker  
**Project Title:** Submersion DMA measurements  
**Sponsor:** Qualia Oto, Inc  
**Project Period:** 10/1/2020 - 12/31/2020  
**Award:** $3,600.00

**PI:** Cheng Yu  
**Department:** Mechanical Engineering  
**Project Title:** Testing Special Hinge Connections  
**Sponsor:** Universal Storage Containers  
**Project Period:** 10/19/2020 - 12/31/2020  
**Award:** $6,500.00
FUNDING OPPORTUNITIES

National Science Foundation

DCL: Non-Academic Research Internships for Graduate Students (INTERN) Supplemental Funding Opportunity
Solicitation ID: NSF 21-013
Participating Directorates or Offices: CISE, MPS and OIA
Submission due: at any time with a target date of April 15th for each Fiscal Year.

Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)
Solicitation ID: NSF 19-601
Engaged Student Learning and Institutional and Community Transformation Level 2 and 3
Number of Awards: 35;
Full proposal due: Dec 01, 2020

CISE Community Research Infrastructure (CCRI)
Anticipated Funding: $25M;
Number of Awards: 10 to 25;
Planning: 10 awards, $50K-100K for 1-1.5 years;
Medium: 12 awards, $1M-2M for 3 years;
Grand: 3 awards, $2M-5M for 5 years;
Solicitation ID: NSF 20-610
LOI due: Dec 15, 2020
Full proposal due: Jan 28, 2021

(Limited) EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC)
Anticipated Funding: $7M - $10.5M;
Number of Awards: 7 in FY21;
Solicitation ID: NSF 21-518
Letter of Intent Due: Dec 18, 2020
Full proposal due: Jan 25, 2021

Accelerating Research through International Network-to-Network Collaborations (AccelNet)
Anticipated Funding: $10M;
Number of Awards: 10-14;
Solicitation ID: NSF 21-511
Full proposal due: Jan 04, 2021

Mid-scale Research Infrastructure-1 (Mid-scale RI-1)
Anticipated Funding: $70M-$80M;
Number of Awards: 3-10;
Solicitation ID: NSF 21-505
Preliminary proposal due: Jan 07, 2021
Full proposal (invited only): Apr 23, 2021

Cybersecurity Innovation for Cyberinfrastructure (CICI)
All three program areas, UCSS, RSSD, and SIVD, will be supported at up to $500,000 total per award for up to three years.
Anticipated Funding: $5M - $7.5M;
Number of Awards: 10-15;
Solicitation ID: NSF 21-512
Full proposal due: Jan 08, 2021

Sustainable Regional Systems Research Networks (SRS RNs)
Anticipated Funding: $31M;
Number of Awards: 15 to 23;
Track 1 Full Scale: 3 awards, 5 years
Track 2: 12-20 awards, $150K for 1 year
Solicitation ID: NSF 20-611
Full proposal due: Jan 11, 2021
Harnessing the Data Revolution (HDR): Institutes for Data-Intensive Research in Science and Engineering
Anticipated Funding: $70M;
Number of Awards: 4-7;
Solicitation ID: NSF 21-519
Up to a total of $70 million is anticipated to be available for 4-7 five-year awards.
Full proposal due: Jan 21, 2021

Principles and Practice of Scalable Systems (PPoSS)
Anticipated Funding: $83M;
Number of Awards: 28;
Solicitation ID: NSF 21-513
Planning Grants: Up to $250,000 per award with duration up to 1 year.
LARGE Grants: Up to $1,000,000 per year with duration up to 5 years.
Full proposal due: Jan 25, 2021 Planning grants and LARGE grants

Mid-Career Advancement (MCA)
Anticipated Funding: $14-$18M;
Number of Awards: 35-45;
Solicitation ID: NSF 21-516
PIs must be at the Associate Professor rank and at that rank for at least 3 years by the proposal submission date.
Funds for the PI include up to a total of 6.5 months of salary, fringe benefits and an additional $100,000 for other direct costs in support of the research advancement and training plan. The aforementioned funds may be expended over the course of 3 years.
Full proposal due: Feb 01, 2021

Research on Emerging Technologies for Teaching and Learning (RETTL)
Anticipated Funding: $19M; Each project will be funded for a duration of 3 years and up to a total funding amount of $850,000.
Number of Awards: 20;
Solicitation ID: NSF 20-612
Full proposal due: Jan 25, 2021

(Limited) Partnerships for Research and Education in Materials (PREM)
The proposal must be submitted by a minority-serving college or university.
Anticipated Funding: FY21: $300,000 to $700,000 per year for up to 6 years pending the availability of funds and receipt of competitive proposals.
Number of Awards: 4-8;
Solicitation ID: NSF 21-510
Full proposal due: Feb 04, 2021

Transitions to Excellence in Molecular and Cellular Biosciences Research (Transitions)
Anticipated Funding: $6M; $750K for three years.
Number of Awards: 5-8;
Solicitation ID: NSF 21-508
Proposals Accepted Anytime

Division of Molecular and Cellular Biosciences: Investigator-initiated research projects (MCB)
Anticipated Funding: $100M in each fiscal year.
Number of Awards: 120;
Solicitation ID: NSF 21-509
Proposals Accepted Anytime

DCL: Research on Integrated Photonics Utilizing AIM Photonics Capabilities
Solicitation ID: NSF 21-015
Full proposal due: Please contact the program officer.
FUNDING OPPORTUNITIES

National Institute of Health

Health Services Research on Minority Health and Health Disparities (R01- Clinical Trial Optional)
FOA: PAR-20-310
Submission Deadline: Nov 27, 2020

NIAID Research Education Program (R25 Clinical Trial Not Allowed)
FOA: PAR-20-310
Submission Deadline: Dec 07, 2020
LOI due: 30 days before application due date

Department of Defense

Department of Army Energetics Basic Research Center
FY22
Agency: Dept of the Army -- Materiel Command W911NF-21-S-0001
White paper due: Jan 3, 2021
Final proposal by invited only due: May 2, 2021

FY21 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology N00014-21-S-B001
Solicitation ID: N00014-21-S-B001
Full Proposals will be accepted until September 30, 2021

NASA

University Student Research Challenge (USRC)
Solicitation ID: NASA NNH20ZEA001N-USRC
Award: $80,000 per student
Three-page proposals are due Nov 12, 2020. Proposals can also be submitted later and will be evaluated in two additional cycles with due dates: Feb 25, 2021 and June 24, 2021.

Department of Energy

Early Career Research Program
Solicitation ID: DE-FOA-0002421
Eligibility:
U.S. citizen, U.S. national or permanent resident;
Untenured Assistant Professor or Associate Professor on the tenure track;
No more than 10 years can have passed between the year the PI's Ph.D. was awarded and 2020.
Pre-Application due: Nov 20, 2020
Full Application due: Feb 16, 2021

Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2020
Solicitation ID: DE-FOA-0002196
Concept Paper Submission Deadline: Nov 05, 2020
Full Application Submission Deadline: Jan 20, 2021

Energy Program for Innovation Clusters (EPIC)
Solicitation ID: DE-FOA-0002425
An Informational Webinar will be held on Nov 18, 2020.
Letter of Intent Deadline: Dec 09, 2020
Full Application Submission Deadline: Feb 03, 2021
CONFERENCE, WORKSHOP & MORE

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Grantsmanship workshop:
More STEM focused: Nov 30 - Dec 03, 2020 RSVP
Arts and Humanities: Apr 5-8, 2021 RSVP
Both dates are open to all faculty.

Building the Research Enterprise and Knowledge Sessions (BREAKS):
1. Biosafety in Research
   Thur, 11/05/2020 - 4:00 - 5:00pm
   Location: https://unt.zoom.us/j/93910695675
2. Scientific Computing Support
   Thur, 11/19/2020 - 4:00 - 5:00pm
   Location: https://unt.zoom.us/j/93910695675

SUMMER VISITING FACULTY PROGRAM

FY21 ONR Summer Faculty Research Program
Applications are accepted by Dec 14, 2020.
Eligibility: U.S. citizens and legal permanent residents who hold teaching or research appointments at U.S. colleges and universities. Some restrictions may apply to permanent residents regarding eligibility for a DoD security clearance.
Fellowship announcement: March 1, 2021.
Fellowship Begins: May 3, 2021

US Air Force Research Lab Summer Faculty Fellowship Program
Eligibility: U.S. citizens
The online application for the FY 2021 Air Force Summer Faculty Fellowship Program (SFFP) is now open.
Reference forms and letters must also be submitted electronically no later than Nov 30, 2020.
Award notifications will be made in Spring 2021.

NSF

1st Virtual Grants Conference
The weeks of November 16 and November 30, 2020
Registration is free and opens now.

Mid-scale Research Infrastructure-1 (Mid-scale RI-1) program outreach webinars
November 4, 2020 and Thursday, November 5, 2020

FUNDING SEARCH ENGINES

Federal Grants World
https://grants.gov

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

Junior Faculty Funding Opportunities
https://engineering.unt.edu/faculty/research-services/junior-faculty-funding-opportunities