Midwest Big Data Innovation Hub

Collaboration Cafe

January 2024

NSF GRANTED

“Growing Research Access for Nationally Transformative Equity and Diversity”

supported by NSF 1916613
Four Regional Hubs, One National Mission

What We Do

Engage communities, share resources, and build partnerships that harness data science to address societal and scientific challenges.
January program: NSF GRANTED
“Growing Research Access for Nationally Transformative Equity and Diversity”

| Program goal | “Supports the development of the research enterprise, particularly at emerging research and minority-serving institutions, to address the complexity of pursuing and managing externally supported activities.” |
| Size and duration (max) | Duration: no more than 5 years; No budget limits specified |
| Estimated # of awards | Unknown (approx. 33 awards made since inception) |
| Directorate | Office of Integrative Activities (OIA) – Office of the Director |
| LOI/pre-proposal required? | No, but prospective proposers “are strongly encouraged to contact GRANTED initiative personnel with inquiries prior to developing and submitting a proposal to this program description.” |
| Eligibility limits & guidance | Follow PAPPG |

Program details and resources | PD 23-221Y | DCL on post-award support | Contact: granted@nsf.gov
NSF GRANTED program description guidance

• “Proposals in response to this GRANTED program description should be broadly inclusive and engage the professional, administrative research support and service workforce in project leadership roles described within proposals.

• Proposed projects should look beyond individual and discipline-specific research needs and focus on activities that create institution/organization-wide impact.

• Projects that identify nationally scalable models to build and sustain research enterprise infrastructure are strongly encouraged.

• Competitive proposals will recognize structural challenges and include goals to implement interventions, solutions, and/or strategies that will mitigate the challenges and broaden participation.

• Proposals must be centered around one or more of the three main themes of GRANTED:
  • Enhancing practices and processes within the research enterprise;
  • Developing and strengthening human capital within the research enterprise;
  • Translating effective practices related to the research enterprise into diverse institutional and organizational contexts through partnerships with professional societies and organizations.”
"Collectively, proposals funded through this Program Description will:

1) advance transformation of the national research enterprise,

2) generate scalable models that mitigate structural barriers and expand research capacity and competitiveness,

3) create new and authentic collaborations, partnerships, and communities centered around strengthening the Nation's research enterprise,

4) diversify the project leadership, institutions, ideas, and approaches that NSF funds, and

5) broaden participation in the Nation's research enterprise."
Get involved

- [https://midwestbigdatahub.org/cafe](https://midwestbigdatahub.org/cafe)
- info@midwestbigdatahub.org

February 28, 2024
3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET
- **Topic**: Research Infrastructure for Human Networks and Data Science
- **Solicitation**: NSF Human Networks and Data Science (HNDS) program

March 20, 2024 [tentative]
3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET
- **Topic**: Support for early career researchers
- **Solicitation**: NSF CAREER program

Upcoming GRANTED-supported conferences

A Collaborative Approach towards Building Sustainable Research Capacity (NSF-2324640)
Convening date(s): February 7-8, 2024
[Conference website](#)

GRANTED Building a Regional Research Ecosystem among Emerging and Minority Serving Universities and Community Partners (NSF-2324405)
Convening dates: February 16, 2024, April 2024, May 2024
Conference website TBD

Convenings to Develop GRANTS MADE: Grant and Research Administration Networking and Training for Students at Maryland and Delaware MSIs (NSF-2324412)
Convening date: April 23, 2024
[Conference website](#)

Creating Capacity and Connections to Expand Research Support Across the Northern Plains (NSF-2324648)
Convening dates: June 6-7, 2024
[Conference website](#)
GROWING RESEARCH ACCESS FOR NATIONALLY TRANSFORMATIVE EQUITY AND DIVERSITY

Collaborations Cafe
January 31, 2024

Kimberly P. Littlefield, PhD
Program Director - GRANTED
National Science Foundation

Dina Myers Stroud, PhD
Program Director - GRANTED
National Science Foundation
Overview and Objectives

- NSF GRANTED Program Overview
- Gaps & Challenges, Successes and Best Practices in Growing Access to Research Support and Service Infrastructure
- Let’s Talk...
The Research Enterprise

Institutions and Organizations

- facilities
- equipment
- resources

Investigators, Teams, Trainees

- disciplinary knowledge, networks, experience
- Discovery, technology & innovation pipeline

“A strong national research enterprise relies on more than funding for the research itself.”
NSF PD 23-221Y

Research enterprise includes human capital, practices and processes, and partnerships that are related to/impact:
research development, research administration, broader impacts activities, technology transfer and commercialization, corporate relations/public-private partnerships, research integrity, compliance and security, research policy, support of student research training, and research leadership.
Research Enterprise Functions

Well Resourced Comprehensive R1, R2 Universities

- Research Development
- Research Training
- Broader Impacts
- Research Administration
- Research Commercialization
- Corporate Relations
- Research Integrity/Compliance
- Research Policy
- Research Leadership

Primarily Undergraduate Institutions (PUIs) and Some/most Emerging Research Institutions (ERIs)
WHY GRANTED?

• NSF proposal submissions and increasing budget

• CHIPS and Science legislation - “Emerging Research Institutions”

• Awareness and knowledge of research enterprise staff and functions

• ~$100B (FY22) expended by colleges and universities – access and intentional workforce

• Research enterprise workforce dynamics – teleworking, remote opportunities
GRANTED Funding Opportunities

Conferences and Workshops DCL 23-037

Program Description: Allows for all types of proposals; PD 23-221Y

Post-Award DCL; NSF 23-152

Deadline: March 15, 2023 CLOSED

No Deadline: OPEN

Submit under PD 23-221Y

CLOSED

OPEN

PD 23-221Y
Program Description – PD 23-221Y

What is it?

- [https://new.nsf.gov/funding/opportunities/growing-research-access-nationally-transformative-0](https://new.nsf.gov/funding/opportunities/growing-research-access-nationally-transformative-0) [make sure you have the ”0” included]
- Bold, ambitious ideas that will increase access, catalyze national transformation, and address systemic equity and diversity issues in the research enterprise are encouraged
- Projects must be fully developed and described within the project description
- PIs and Co-PIs could be research enterprise staff
- Project costs – ask for what you need!
- FY24 Budget - $45M
Not NSF “business as usual”

Program Description – PD 23-221Y

What It’s Not!

• Not a limited submission
• No deadline
• No budget floor, no budget cap
• Project terms should be no more than 5 years
• Does not restrict or discourage any higher education institution or non-profit organization from participating; NSF general eligibility applies
• Does not fund disciplinary research, graduate student training*, faculty training, or the offering of grant writing workshops*

* there are some caveats
Challenges within the Research Enterprise

- Access to assistance and support for research and sponsored activity is not equitable
- Hiring and attrition lead to constant churn of staff
- Dynamic work environments
- Training is available but not equitably accessible leading to wide disparity in experience and capability
- Some systemic issues - position titles, salaries, position descriptions; lack of processes and policy to guide management of external funding
- Faculty workload challenges
- Institutional research missions
Let’s Talk!

• What are the Gaps and Challenges that your institutions face in growing access to research support and service infrastructure?

• What successes and best practices/models can you share that have helped fill the gaps and meet the challenges?

• What are the barriers to developing and submitting a GRANTED proposal?

• Other questions?
Contact Info. & GRANTED Resources

Email: GRANTED@nsf.gov; aknoedle@nsf.gov
klittlef@nsf.gov  dstroud@nsf.gov

Website: https://new.nsf.gov/funding/initiatives/broadening-participation/granted

• Join the GRANTED Mailing List
• Volunteer to be a reviewer for GRANTED
• Office Hours: Wednesdays, 3-4pm ET
• GRANTED IPA Opportunities
Ideas for GRANTED

• Strengthening the Nation’s Research Enterprise is the **goal**
• Gains within PUIs, ERIs and MSIs is a **goal**
• National Transformation of the Research Enterprise is the **Broader Impact**

• **Workforce Development** of research enterprise staff and functions—especially in post-award research administration (GRANTED DCL 23-152)
• **Hiring** research enterprise staff
• **Research** on the research enterprise
• **Evaluating** existing training programs and **scaling** of effective training programs
• **Research on sustainability of programs** that have significant funding
• **Transferrable and Scalable** ways of improving post-award project and program management
• **Research leadership** development
• **Knowledge management** and sharing systems for research enterprise content
• So many more ideas
Discussion

• Research administration needs assessment poll results
• What barriers exist to development of research administration capacity at your institution?
• What gaps and opportunities for research administration capacity building exist in the Midwest that collaborators could partner to address?
• What projects are at the right level of readiness?
Research administration needs assessment poll results

Critical Gaps - What are the most challenging research administration issues your institution is faced with?
6 responses

- Budget for staff: 5 (83.3%)
- Staff recruiting / retention: 4 (66.7%)
- Staff expertise / training: 3 (50%)
- Faculty expertise / training: 3 (50%)
- Regulatory compliance: 2 (33.3%)
- Systems readiness or internal c…: 4 (66.7%)
- Facilities readiness: 1 (16.7%)
Research administration needs assessment poll results

Functional Priorities - What research administration functions or support systems are you most focused on developing at your institution?

6 responses

- Research development / proposal development: 4 (66.7%)
- Pre-award administration: 3 (50%)
- Post-award administration: 2 (33.3%)
- Research integrity / regulatory compliance: 0 (0%)
- Technology transfer / commercialization: 0 (0%)
- Research training (for students, faculty, etc.): 2 (33.3%)
- Systems development / deployment: 0 (0%)
- I wouldn't know that information: 1 (16.7%)
- Demonstrating the financial benefits: 1 (16.7%)
Research administration needs assessment poll results

Your Institution Type
7 responses

- Community college: 0 (0%)
- Primarily undergraduate institution: 2 (28.6%)
- Master’s college / university (Master’s): 0 (0%)
- Doctoral / Professional university (DOCTORAL/PROFESSIONAL): 3 (42.9%)
- Doctoral university (R1): 0 (0%)
- Tribal college or university (TCU): 1 (14.3%)
- Minority-serving institution (MSI): 1 (14.3%)
- Government agency: 0 (0%)
- Nonprofit organization: 1 (14.3%)
Research administration needs assessment poll results

Your Role - What best describes what you do?
7 responses

- Research development or proposal writing: 4 (57.1%)
- Pre-award research administration: 3 (42.9%)
- Post-award research administration: 0 (0%)
- Leadership (e.g., VP of Research): 3 (42.9%)
- Individual investigator: 1 (14.3%)
- Consultant: 0 (0%)
- Student / intern: 1 (14.3%)

Your Career
7 responses

- 0-3 years in this role: 42.9%
- 3-5 years in this role: 14.3%
- 5-10 years in this role: 42.9%
- 10+ years: 42.9%
Collaboration Cafe webinar series

Goals:
• Building regional capacity for large-scale proposal response
• Growing a cross-disciplinary network of data science collaborators
• Elevating early career researchers
• Creating a more diverse data science community by actively engaging with non-R1 institutions, including minority-serving institutions (MSIs), tribal colleges and universities (TCUs), and predominantly undergraduate institutions (PUIs)
• Partnering with industry, government, nonprofits, and civic organizations to support translational research and transition-to-practice activities

Regular segments:
• Funding opportunity walkthroughs
• Researcher lightning talks
• Lessons learned from prior awardees
• Speed networking
• Small group discussions
Collaboration Cafe resources

• MBDH website
  • Web page with upcoming sessions
  • Short form for engagement
• Slack community
  • Networking
  • Input on future sessions
  • New solicitations
• Shared Google Drive
  • Running notes doc
  • Relevant prior awards to Midwest institutions
• YouTube playlist of webinar recordings

Cafe Ground Rules

• Multi-disciplinary team science is a core focus here - all proposal ideas are welcome for discussion
• Research proposals are competitive; some people may not be willing to discuss the details of their projects in this venue
• Private conversations in breakout rooms or Slack private messages are private
• Participating in Collaboration Cafe activities falls under our NSF Code of Conduct
MBDH engagement on proposals

There are multiple opportunities to have MBDH participate on proposals for CyberTraining, or other projects:

- **Engagement partner:** Communications, outreach, community assessments, participation in Hub events and activities
  - Non-exclusive Letter of Collaboration
  - Minimal to no funding

- **Collaborative partner:** Engagement roles + involvement in developing and managing project activities
  - Non-exclusive Letter of Collaboration, subaward, co-PI roles, etc.
  - Funding to recover costs of staff time and other expenses

- **Note:** The MBDH is a neutral party and often provides non-exclusive Letters of Collaboration to multiple proposers to a solicitation