

# Midwest Big Data Innovation Hub

## Collaboration Cafe

January 2024

**NSF GRANTED**

“Growing Research Access for Nationally Transformative Equity and Diversity”



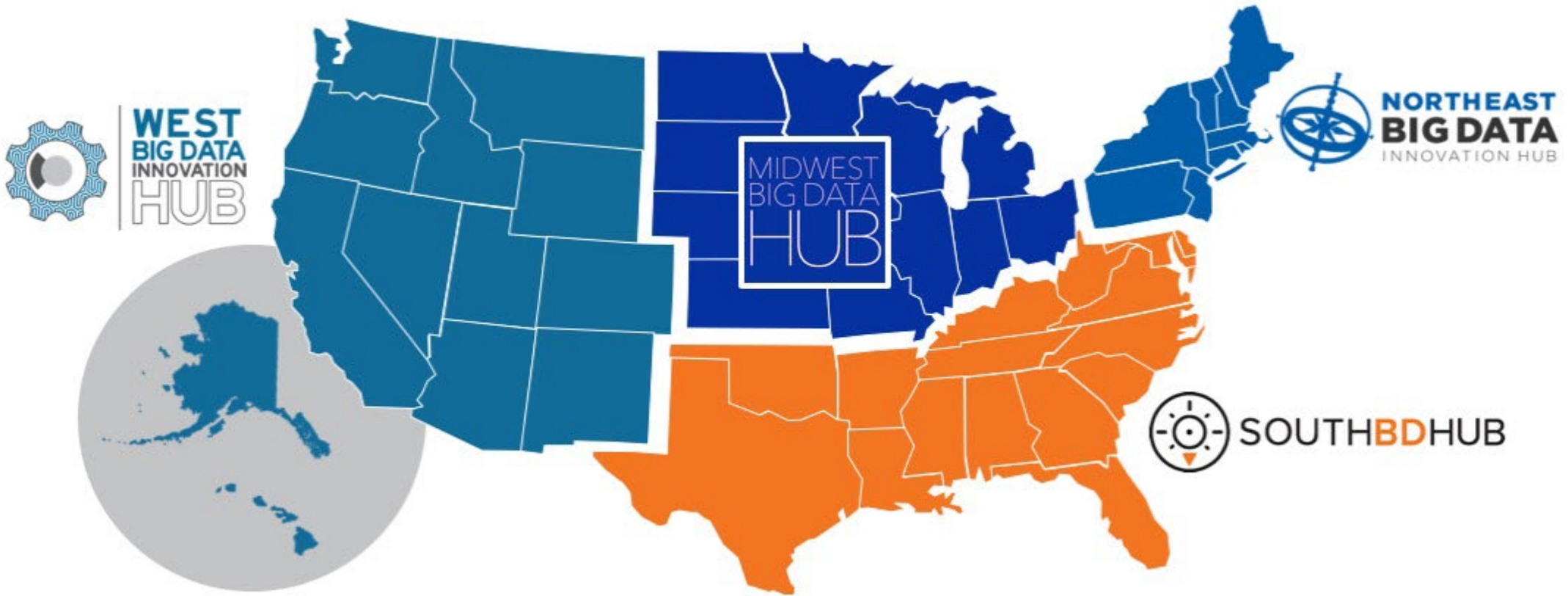
IOWA STATE  
UNIVERSITY



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"

	NSF PD 23-221Y	Due: No deadline
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](mailto: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.”



# NSF GRANTED program description guidance (2)

- “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>
- [info@midwestbigdatahub.org](mailto: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](#)







National Science Foundation

# 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



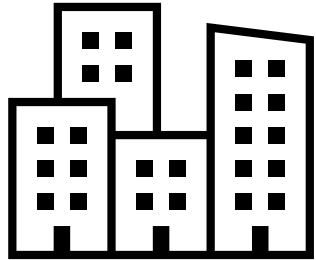
# Overview and Objectives



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

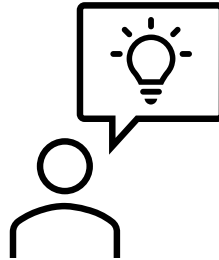


# The Research Enterprise



- facilities
- equipment
- resources

Institutions and Organizations

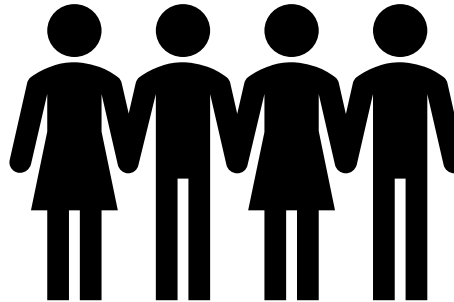


- disciplinary knowledge, networks, experience
- Discovery, technology & innovation pipeline

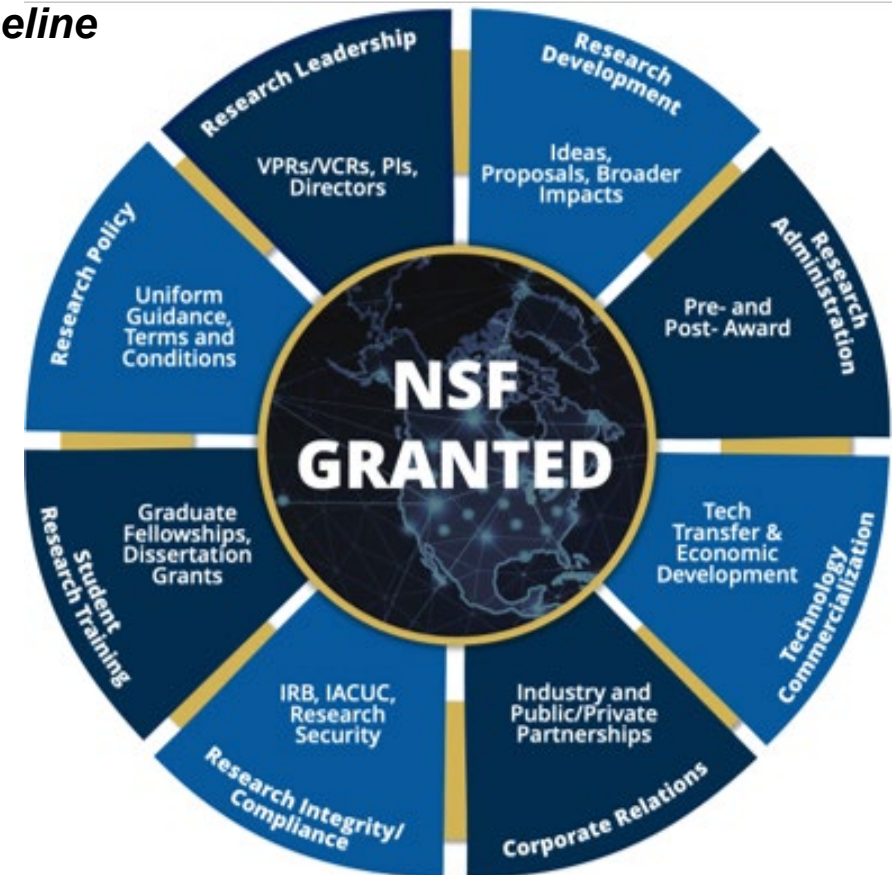
Investigators, Teams, Trainees

**“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 in the US

# Research Enterprise Functions

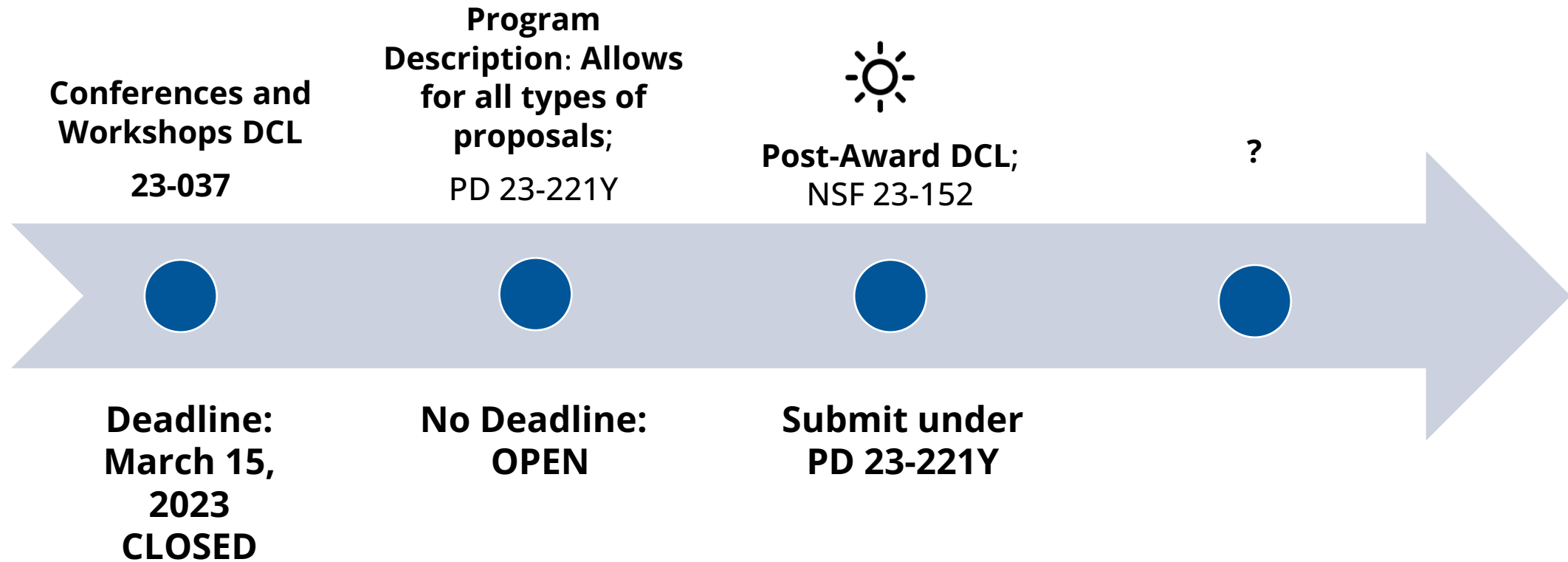


# WHY GRANTED?



- **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



## Program Description – PD 23-221Y

### What is it?

- <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



## 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

- 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?

Email: [GRANTED@nsf.gov](mailto:GRANTED@nsf.gov); [aknoedle@nsf.gov](mailto:aknoedle@nsf.gov)  
[klittlef@nsf.gov](mailto:klittlef@nsf.gov) [dstroud@nsf.gov](mailto: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



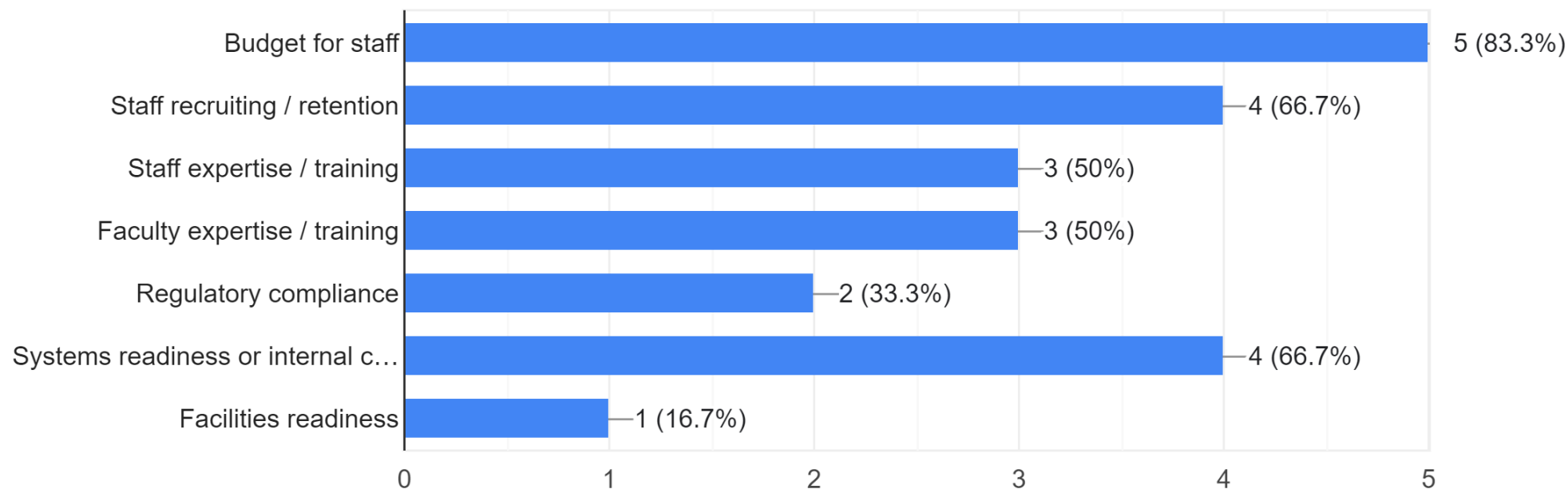
# Discussion

- 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?

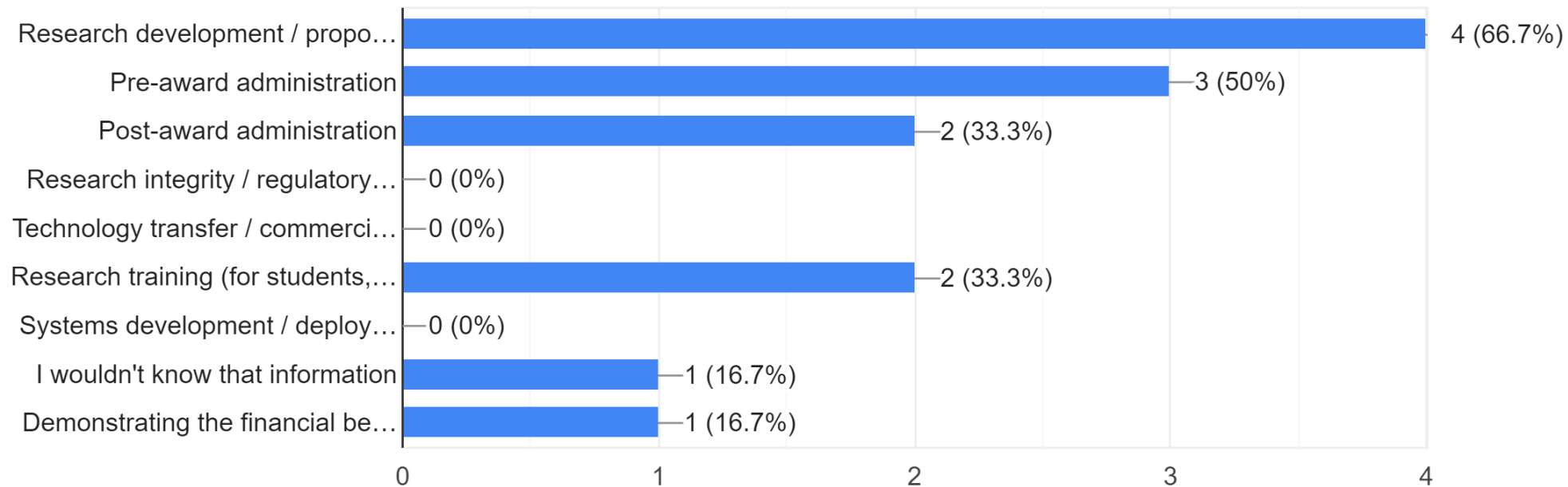
6 responses



# Research administration needs assessment poll results

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

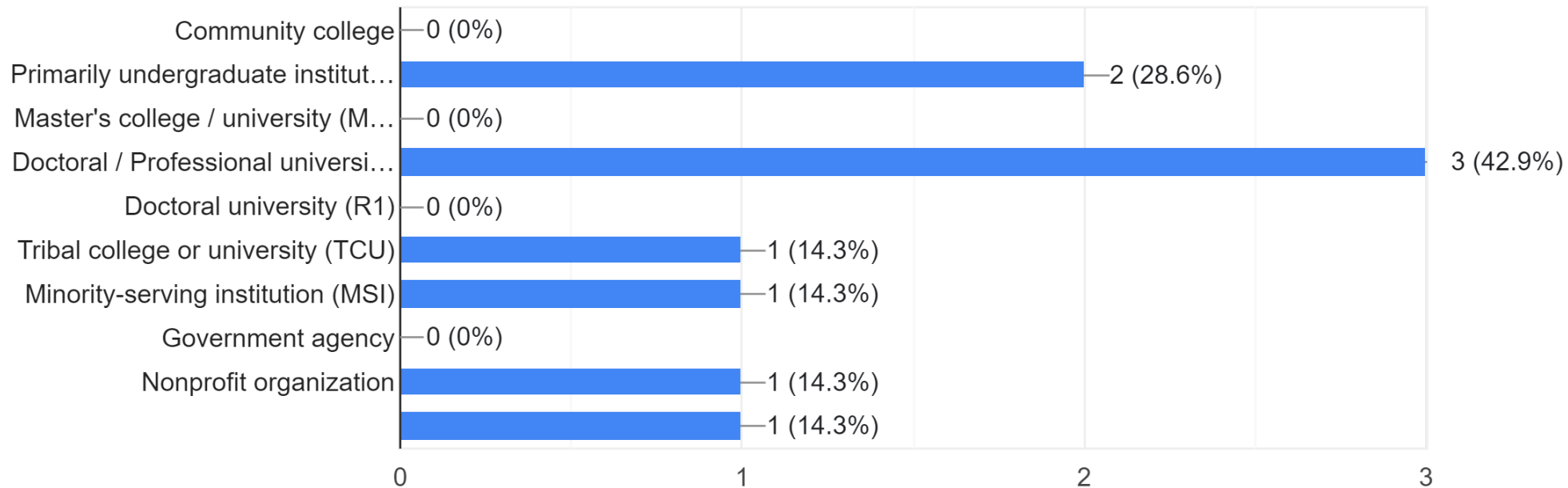
6 responses



# Research administration needs assessment poll results

## Your Institution Type

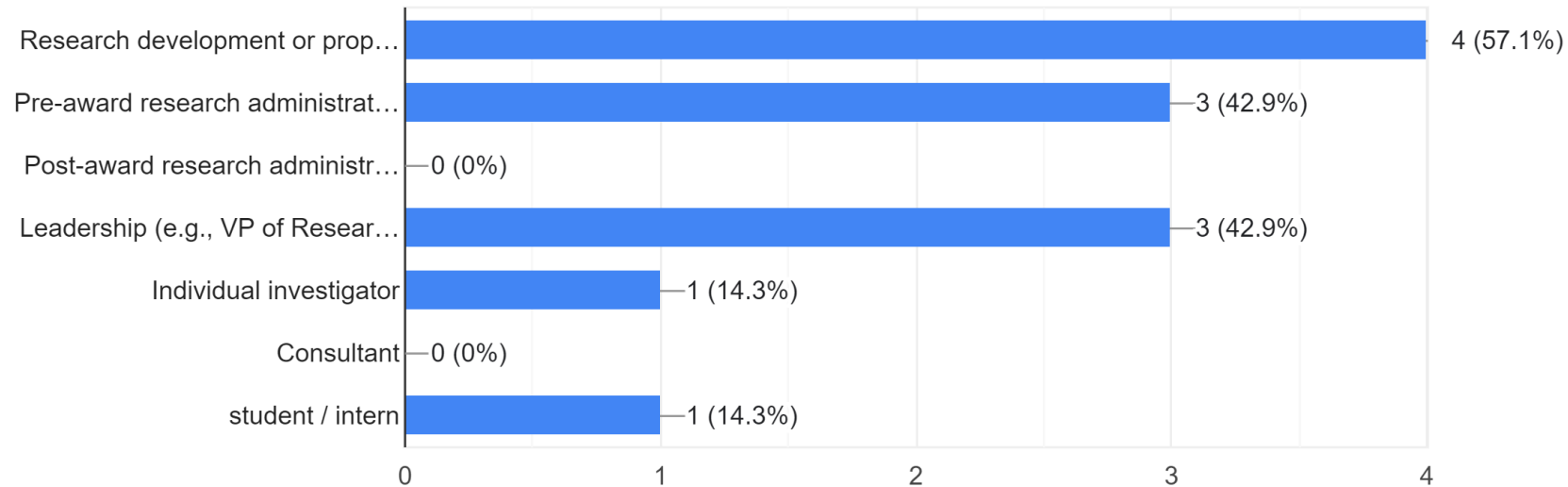
7 responses



# Research administration needs assessment poll results

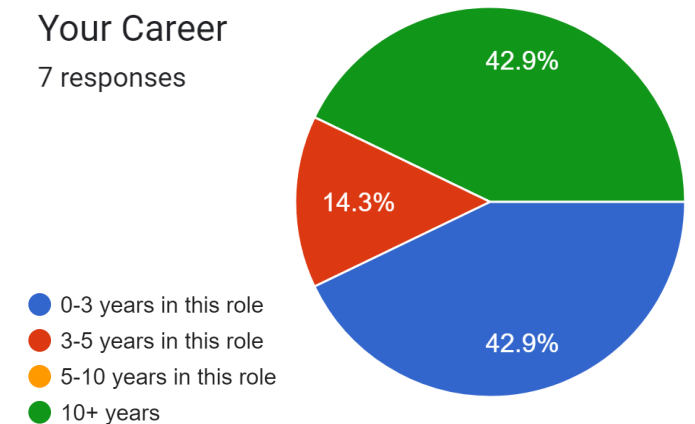
## Your Role - What best describes what you do?

7 responses



## Your Career

7 responses





# 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