Support of Data Sciences and Women’s Health Research in IDeA States through COBRE

November 16, 2022
1:00 – 2:30 PM
NIGMS Staff Participation

- **Fed Bernal**, Program Officer and COBRE Phase 2 Lead
- **Raphael Isokpehi**, Office of Data Science Strategy
- **Regine Douthard**, Office of Research in Women’s Health

Q&A via Chat Window, moderated by Michele McGuirl
Overview of IDeA COBRE Program

IDeA Program: Build research capacity in states and territories with lower levels of NIH funding

Centers of Biomedical Research Excellence (COBRE)

• Support a broadly themed research center
• 3 sequential phases, 5 years each – no “Phase 4s”
• IDeA Dashboard tracks all funded awards

https://www.nigms.nih.gov/Research/DRCB/Pages/DRCB-IDeA-Interactive-Portfolio-Dashboard.aspx
**PAR-22-250**

due date: January 30, 2023

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COBRE Phase 1: Program Objectives

Establish a center of excellence to build research capacity in an area of biomedical research

• Develop a critical mass of investigators who can compete effectively for external research funding
  o Must propose 3 – 5 Research Project Leaders (RPLs); Pilot Projects are optional
  o Provide project leaders with career development and scientific mentoring
• Center’s scientific area must align with the institution’s strategic plan
• **Key Measure of COBRE Success:** RPL graduation with pubs and independent funding

Improve institutional infrastructure for the research area at the applicant institution

• Establish Research Cores (or improve existing facilities) to support the work of the Research Projects
• Up to $300K in Alterations and Renovations is allowed in Year 1
Institutional Eligibility

• **IDeA institutions** that award doctoral science degrees or are independent biomedical research institutes/medical centers with externally funded research programs

• **Only one application per institution is allowed each cycle**

• At the time of submission:
  
  o **Hold ≤ 2 active COBRE Phase 1 and/or Phase 2 awards** (includes no-cost extensions)
  
  o **Have ≤ 5 active research projects and/or cores via subcontracts** from COBRE 1s & 2s from other institutions (includes no-cost extensions)

• **Low programmatic priority**: if the scientific area is closely related to an institution’s prior COBRE award or if the institution already has a critical mass of funded investigators
COBRE 1 Application Components

**REQUIRED**
- Overall Section – 12 pages
- Administrative Core – 12 pages
- 3-5 Research Projects – each RP gets 1 page for its Specific Aims and 6 pages for its Research Strategy

**OPTIONAL**
- Research Cores – 6 pages each
- Alterations and Renovations – 6 pages

Please read the entire FOA PAR-22-250 for complete details. COBRE Phase 1 pre-application webinar and slides are available online on the COBRE website.
Notices of Special Interest for COBRE Phase 1

• Two Notices of Special Interest (NOSIs) have been published to support new COBRE Phase 1 applications

• NOSIs address two important aspects of the NIH-Wide Strategic Plan.
  • Leveraging Data Science for Biomedical Discovery – to modernize and integrate the NIH-funded biomedical data ecosystem
  • Enhancing Women’s Health – to build foundational knowledge, accelerate translational research, and enable women to receive evidence-based interventions specific to their needs

**NOT-GM-23-011**
Supporting Data Sciences Research in the IDeA States through the COBRE Phase 1 Program

**NOT-GM-23-012**
Supporting Women’s Health Research in the IDeA States through the COBRE Phase 1 Program
Supporting Data Sciences Research in the IDeA States

• **Office of Data Science Strategy** (ODSS) leads the implementation of the NIH Strategic Plan for Data Science --intends to support one COBRE award

• Goal: To foster innovative approaches to work with large research datasets and develop a talented and diverse data science workforce

• Broadly themed in multiple areas of data science, including bioinformatics, cloud computing, predictive analytics, machine learning, deep learning, artificial intelligence, and virtual reality technologies

• Proposed Center must address one or more of the five goals of the NIH Strategic Plan for Data Science and adhere to FAIR principles.

• Scientific Contact: Dr. Raphael Isokpehi, ODSS
Supporting Women’s Health Research in the IDeA States

• **Office of Research on Women's Health** (ORWH) leads the implementation of the **Trans-NIH Strategic Plan for Women's Health Research** --intends to support one COBRE award

• Goal: To enable innovative research relevant to the health of women and to address emerging women’s health issues of public importance

• Broadly themed in multiple areas of women’s health issues across the lifespan that address the biological, behavioral, environmental, and sociocultural factors that affect women’s health and reduce health disparities

• Proposed Center must address one of the strategic goals of the Trans-NIH Strategic Plan for Women’s Health Research

• Scientific Contact: Dr. Regine Douthard, ORWH
Application Process

• Apply to the COBRE Phase 1 FOA PAR-22-250.
  • All applications must be in full compliance with COBRE Phase 1 policies and requirements (i.e., only one application per institution, number of active COBRE 1/2 at institution may not exceed 3, etc.)

• NOSI applies to the due dates in 2023, 2024, and 2025.

• Indicate the NOSI in the Agency Routing Identifier field of the SF424 R&R
  • NOT-GM-23-011 – Data Sciences Research
  • NOT-GM-23-012 – Women’s Health Research

• Applications to these NOSIs also receive full consideration for funding by NIGMS
Thank you!

Please enter your questions into the chat box.