Racial Equity in STEM Education Program Description (PD 21-191Y)

May 2021 Outreach Webinar
Overview

• Goals of the Program Description
• What is a program description?
• Essential components
• Proposal Preparation
• Submission process
Racial Equity in STEM Education Program Description

Goals

• Advance the science & promotion of racial equity in STEM
• Substantively contribute to removing systemic barriers that impact STEM education, the STEM workforce, & scientific advancement
• Institutionalize effective & inclusive environments for STEM learning, STEM research, & STEM professionals
• Diversify the project leadership (PIs and co-PIs), institutions, ideas, & approaches that NSF funds
• Expand the array of epistemologies, perspectives, & experiences in STEM
Racial Equity in STEM Education

Program Description

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What is a program description?

• A call for proposals that encourages the submission of proposals in a general area of interest to NSF
• The “Synopsis” is the whole Program Description. That’s it! (No additional announcements or information are provided.)
• All submissions must follow NSF’s *Proposal & Award Policies & Procedures Guide* (PAPPG)
Essential Components of the Racial Equity in STEM Education Program Description (PD 21-191Y)
Competitive proposals will be clear with respect to how the work advances racial equity & addresses systemic racism.

(These constructs may have different meanings in different settings so be sure to define your terms.)
Racial Equity & Systemic Racism

How do systemic barriers impact access to, retention in, & success in STEM education, research, workforce development
Generate knowledge through research & practice

- Building theory,
- Developing methods,
- Testing approaches and interventions,
- Assessing the potential, efficacy, effectiveness, and scalability of approaches and interventions,
- Establishing, cultivating and assessing authentic partnerships,
- Changing institutional, organizational, and structural practices and policies, and/or
- Focusing on affective, behavioral, cultural, social components, and implications
Leadership

Proposals will be **led by**, or **developed & led in authentic partnership with**

individuals & communities most impacted by the inequities caused by systemic racism
Leadership

The voices, knowledge, & experiences of those who have been impacted by enduring racial inequities should be at the center of these proposals

- Project leadership & research positions
- Conceptualization of the proposal, decision-making processes
- Interpretation & dissemination of evidence and research results
Proposal Preparation for the Racial Equity in STEM Education Program Description (PD 21-191Y)
Proposal Preparation

Proposal & Award
Policies & Procedures Guide
(Search Chapter 2)
Proposal format
• Pagination instructions
• Font, spacing & margin requirements
• Page formatting
Eligibility: Who may submit?
Submission: How to submit?
How will proposals be reviewed?
Proposal content

Sections of the proposal

a. Cover Sheet
b. Project Summary
c. Table of Contents
d. Project Description (15 pp maximum)
e. References Cited
f. Biographical Sketch(es)
g. Budget and Budget Justification
h. Current and Pending Support
i. Facilities, Equipment and Other Resources
j. Special Information and Supplementary Documentation
   • Data Management Plan
   • Postdoctoral Mentoring Plan (if applicable)
k. Single Copy Documents
   • Collaborators & Other Affiliations Information
Dissemination plan
• Proactively share what is learned with individuals & communities most impacted, as well as relevant leaders, policy makers, and other stakeholders

Budget & project duration
• Determined by the scope of the activities and in accordance with the PAPPG
• No specified budget limits
• Generally up to 3-5 years
### Project Contexts

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<th>Other contexts</th>
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Subject areas may include all science, technology, engineering, mathematics, and all other domains currently supported by NSF as they relate to STEM Education.

Health and medicine are typically the domain of NIH, unless they are specifically related to STEM education or other areas supported by NSF.
Submission Process for the Racial Equity in STEM Education
Program Description
If you would like feedback on a concept, email a one-page concept paper to EHRRacialEquityPD@NSF.gov.

Be clear with respect to how your concept aligns with the Racial Equity in STEM Education Program Description (PD 21-191Y).

To receive feedback before a deadline date, concept papers must be received at least six weeks prior to the Target Date.
• Program Description has funding from programs across the Directorate for Education & Human Resources

• As this is a Program Description, neither funding levels for individual proposals nor total funding for the Program Description is available
How do I determine where to submit my concept?
(1) to an EHR Program Solicitation or
(2) to the Racial Equity in STEM Education Program Description (PD 21-191Y)?
Full Proposal Dates

July 13, 2021
October 12, 2021 - 2nd Tuesday in October thereafter
March 22, 2022 - 4th Tuesday in March thereafter
Proposals can be submitted using
Research.gov or Grants.gov
Proposal Review

**Intellectual Merit**: What new knowledge will this project create?

**Broader Impacts**: What impact will this project have on society at large?
1. What is the potential for the proposed activity to:
   a. Advance knowledge and understanding within its own field or across different fields (Intellectual Merit); and
   b. Benefit society or advance desired societal outcomes (Broader Impacts)?

2. To what extent do the proposed activities suggest and explore creative, original, or potentially transformative concepts?

3. Is the plan for carrying out the proposed activities well-reasoned, well-organized, and based on a sound rationale? Does the plan incorporate a mechanism to assess success?

4. How well qualified is the individual, team, or organization to conduct the proposed activities?

5. Are there adequate resources available to the PI (either at the home organization or through collaborations) to carry out the proposed activities?
Resources

• NSF Proposal & Award Preparation & Guidelines
• Proposal review: https://www.nsf.gov/bfa/dias/policy/merit_review/
• Training for submitting
  • Research.gov
  • Grants.gov
• Grants.gov Application Guide
• NSF Virtual Grants Conference June 7-11
• EHRRacealEquityPD@nsf.gov  703-292-5009
  • Visit webpage for upcoming office hours information and announcements
Questions?

EHRRacialEquityPD@nsf.gov
703-292-5009

Education & Human Resources Directorate (EHR)