

Division of Training,  
Workforce  
Development and  
Diversity

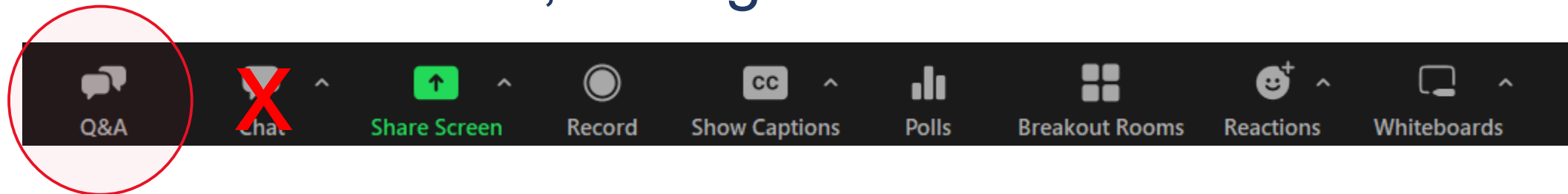
National Institute of  
General Medical  
Sciences

August 21, 2024

**B-INSPIRE: Research on  
Behavioral InterventionS that  
Promote Careers in Biomedical  
Research Enterprise  
(Clinical Trials Not Allowed)  
([PAR-24-230](#))**

# Webinar Information

- The webinar video and slides will be available on the NIGMS website.
- Please type your questions in the Q&A box, instead of in the chat box, throughout the webinar.



- If time permits, there will be an open Q&A period at the end of the webinar.

# Participants

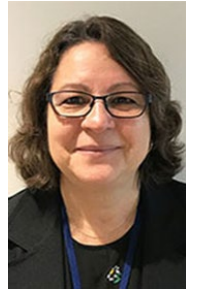
## Program

- Shakira Nelson, B-INSPIRE Program Officer
- Mercedes Rubio, B-INSPIRE Program Officer



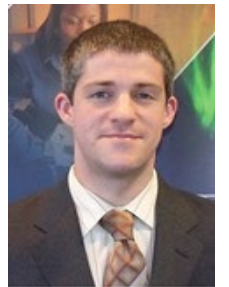
## Review

- Sonia Ortiz-Miranda, NIGMS Scientific Review Branch



## Grants Management

- Justin Rosenzweig, Grants Management Team Leader



# Disclaimer

- This webinar and accompanying slides are for informational purposes only. They serve as an overview and are not meant to be comprehensive in coverage of all required components of an application.
- For any submission, applicants are responsible for following the instructions detailed in the SF424 Guide, the Notice of Funding Opportunity (NOFO) and any Related Notices.

# Outline

1. Overview of B-INSPIRE
2. Program Considerations
3. Application Components
4. Grants Management Overview
5. Review Overview
6. Question and Answer Period

# Outline

1. Overview of B-INSPIRE
2. Program Considerations
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# B-INSPIRE Overview

- NIH recognizes the need to enhance the participation of individuals that are nationally underrepresented in the biomedical research workforce.
  - See the [Notice of NIH's Interest in Diversity \(NOT-OD-20-031\)](#).
- NIGMS supports a [variety of programs](#) designed to promote broad participation of scientists with the skills and motivation to transition into and continue in the biomedical research workforce.
- Proposed studies should suggest an understanding of the mechanisms or the principles that govern how or why a behavioral intervention operates to produce the intended effects.

# Funding Opportunity Purpose

- Applications are encouraged that:
  - Propose research designed to conduct studies of behavioral interventions to enhance research-oriented individuals' interest, motivation, persistence and preparedness for careers in the biomedical research workforce.
  - Conduct secondary data analysis of rigorous interventions, leveraging existing intervention cohorts, using new or advanced methods of analysis of rigorous intervention datasets, or general novel combinations and integration of rigorous intervention datasets for analysis.
- Funded projects are expected to produce research findings that will guide the implementation of behavioral interventions in a variety of academic settings.



# Key Dates

- Application Due Dates: October 17, 2024; October 15, 2025; and October 14, 2026
- Scientific Merit Review: March
- Council Review: May
- Earliest Start Date: July
  
- Application Types: New or Renewal of PAR-21-269
  - Please be aware resubmission are NOT allowable
  
- While not required, a Letter of Intent is encouraged.
  - The Letter of Intent must be submitted no later than *30 days before* the application due date.

# Non-responsive criteria

- Applications that include the following will be deemed **non-responsive** to the NOFO and will be administratively *withdrawn*.
  - A behavioral intervention without an exploration of mechanisms or principles that govern how and why the interventions operates; without a **testable hypothesis**; without a **theoretical framework**, and/or a clearly articulated study population with the **appropriate controls/comparison group(s)**.
  - An **intervention that is not scalable or practical** in a range of settings applicable to the broader biomedical research community.
  - An evaluation of an existing or prior program without a new intervention approach.

# Key Information

- If a clinical trial is proposed, this will be considered non-responsive, and withdrawn
  - Health-related biomedical or behavioral outcomes cannot be explored related to the intervention under this NOFO, as no health outcomes are expected or desired.
- If requesting  $\geq$ \$500K direct cost/year, contact Program Officer ***at least 6 weeks*** before submitting your application for prior approval.

# Concept Document

- Prospective applicants are *highly encouraged* to send a concept document to Program to help gauge responsiveness.
- The document can include:
  - Title of Project
  - Project Summary
  - Aims *and* Hypotheses
  - Research Plan with a description/discussion of the:
    - Theoretical framework and mechanism of action (description of principles that govern how or why the intervention will produce the intended effects)
    - Intervention methodology
    - Dependent, independent and intervening/moderating variables
    - Sample size, study participants and analytical approach(es)
- Budget: If requesting  $\geq$ \$500K direct cost/year prior approval is required.

# Outline

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# Research Intervention, not an Evaluation

- This funding opportunity is *not* designed to support:
  - Evaluation of an existing or planned training program(s).
  - A training program, curriculum development, or other activity **disguised as an experiment/behavioral intervention.**
- Some distinctions:
  - Research:
    - a systematic inquiry to describe, explain predict and control the observed phenomenon.
    - tests a hypothesis or theory that adds to a body of knowledge
  - Evaluation:
    - determines effectiveness, efficiency, and worth of effort to improve a program
    - Tends to have a logic model
    - has stakeholders as the only source of information

# Robust Experimental Design

- The behavioral intervention should articulate the mechanisms or principles that govern how and why the interventions operates coupled with hypothesis testing, rigorous methodology, analytical tools and controls or comparison groups.
- Results are expected to move beyond measures of participant satisfaction, self-reporting of perceived skills gained, or self-reporting of effectiveness.
- The interventions should be centered not only on psychosocial factors, but also on **outcomes** of the factors most likely to influence and foster a sustained career in the biomedical research workforce.
- As appropriate, determine effectiveness of the duration, frequency, and intensity of the intervention.
- Short, medium, and long-term effects of the intervention's efficacy.

# Multidisciplinary Teams

- Behavioral interventions are typically complex in nature.
- Most studies will require multidisciplinary approaches and perspectives.
- **We strongly encourage a multidisciplinary effort** among biomedical researchers, program administrators, educators, psychologists, sociologists, statisticians, and/or economists, etc. as appropriate.

**NOTE:** For applicant organizations proposing multiple PDs/PIs, a Multiple PD/PI Leadership Plan must be included.



# Possible Areas for Research

- Secondary Data Analysis
  - Analysis of existing robust interventions data sets (with controls, comparator groups, well-designed study protocols etc.) that propose novel, rigorous research utilizing robust interventions database
  - Applications should not propose the maintenance and distribution of pre-existing databases through this NOFO
- Training, Mentoring, and Networking
  - Elements that contribute to success--why, how, and to what extent certain strategies and approaches have significant impacts
- Psychosocial factors
  - How psychosocial factors are linked to entry into a biomedical degree program, academic success, degree attainment, etc.

# Possible Areas for Research (pt. 2)

- Navigation of critical transition points
  - Underlying mechanisms that contribute to timely transitions and career progression
- Harassment
  - Research designed to change the culture to mitigate or eliminate sexual and other forms of harassment
- Barrier to Participation
  - Interventions designed to eliminate barriers to participation and providing equal access to opportunities
- Institutional factors that influence persistence
  - Tests of interventions to address institutional level structures and culture to eliminate/mitigate the disparities in career outcomes
- These are just examples. Many other areas exist and can be proposed!

# Current and Previously Funded Interventions

We encourage all potential applicants to review current and recently funded awards in NIH RePORTER or through the NIGMS Dashboard and visit the [B-INSPIRE webpage](#).

The screenshot shows the NIH RePORTER interface. At the top, it says 'NIH RePORT > RePORTER'. Below that, 'Search Results > Project Details'. A navigation bar includes 'Back to Search Results' and the project title: 'Peer Mentoring to Overcome Obstacles for Midcareer Women Clinician-Scientists in Academic Medicine'. A table lists project details: Project Number (1R01GM139842-01), Contact PI/Project Leader (JAGSI, RESHMA), and Awardee Organization (UNIVERSITY OF MICHIGAN AT ANN ARBOR). A sidebar on the left lists categories like Description, Details, Sub-Projects, Publications, Patents, Outcomes, Clinical Studies, News and More, History, and Similar Projects. The main content area shows the 'Description' tab with an 'Abstract Text' section containing the following text: 'Abstract Despite long-standing gender parity in the number of medical students, women remain underrepresented in the senior ranks of the physician-scientist workforce, and research suggests that the mid-career transition is a point at which many careers stall. Research is needed to identify effective, scalable interventions to promote the careers of female physician-scientists throughout the career cycle, and particularly at the mid-career stage when they are positioned to ascend to senior leadership. We previously generated actionable insights by investigating the early career experiences of a national cohort of highly apt, research-oriented faculty members with clinical doctorates: recipients of NIH K08 and K23 career development awards. This cohort has been uniquely informative given its relative homogeneity in terms of high aptitude and motivation to pursue careers as clinician-researchers and the resources initially invested in supporting their advancement to independence. Ten years after our original study, we now propose to evaluate the impact of an intervention for women in this national K-awardee cohort as its

## TWD Dashboard

This dashboard displays training, career development, fellowship, research projects and conference awards funded or administered by the [NIGMS Division of Training, Workforce Development and Diversity](#) as recorded in [NIH Project RePORTER](#) (updated weekly). It includes all currently active parent grants, as well parent grants funded in the prior fiscal year. Active grants in [no-cost extension](#) status are displayed here, however their funding amounts are neither displayed nor included in the summary totals since those funds are from past budget years. Supplements are not currently included. To learn more about the individual Programs and initiatives, visit Program webpages and reach out to the specific contact Program Officers listed on the webpage or in the Funding Opportunity Announcement (FOA).

The screenshot shows the TWD Dashboard filter section. It includes two buttons: 'BY PROGRAM' (highlighted in a dark teal box) and 'BY STATE/TERRITORY' (in a light grey box). To the right, there are two dropdown menus: 'ALL ACTIVE AWARDS' and 'FILTER BY STATE'.

For more information, go to <https://www.nigms.nih.gov/training/Pages/Interventions.aspx>

Program: Postdoctoral, Early Career, and Workforce Development Programs ✕

SubProgram: Research on Interventions (R01/R35) ✕

<https://www.nigms.nih.gov/training/Pages/TWD-Dashboard.aspx>

# Outline

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# Application Components for PAR-24-230

# Application Preparation

B-INSPIRE NOFO: [PAR-24-230](#)

Deadlines: October 17, 2024; October 15, 2025, and October 14, 2026

This NOFO allows *New and Renewal* applications (No resubmissions).

Thoroughly read through the NOFO, any [Related Notices](#), and the [SF424 \(R&R\) Application Guide](#)

**NOTE:** This presentation *does NOT include a complete list* of all application materials, components, or guidelines.

# Application: Page Limits (selected)

Section of Application	Page Limits
Project Summary/Abstract	30 lines of text
Project Narrative	Three sentences
Specific Aims	1
Research Strategy	12 (Renewal: inclusive of the Progress Report)
Biographical Sketch(es)	5 pages each
Plan for Enhancing Diverse Perspectives	No more than 2 pages

# PHS 398 Research Plan

[View Burden Statement](#)

PHS 398 Research Plan

OMB Number: 0925-0001  
Expiration Date: 09/30/2024

Introduction		
1. Introduction to Application (for Resubmission and Revision applications)	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Research Plan Section		
2. Specific Aims	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
3. *Research Strategy	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
4. Progress Report Publication List	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Other Research Plan Section		
5. Vertebrate Animals	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
6. Select Agent Research	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
7. Multiple PD/PI Leadership Plan	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
8. Consortium/Contractual Arrangements	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
9. Letters of Support	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
10. Resource Sharing Plan(s)	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
11. Other Plan(s)	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
12. Authentication of Key Biological and/or Chemical Resources	<input type="text"/>	<a href="#">Add Attachment</a> <a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Appendix		
13. Appendix	<a href="#">Add Attachments</a>	<a href="#">Delete Attachments</a> <a href="#">View Attachments</a>

- Introduction (not applicable for this NOFO)
- Research Plan Section
- Other Research Plan Section
- Appendix: Only limited materials are allowed. *No publications or other material*, with exception of blank questionnaires or blank surveys.



# PHS 398 Research Plan: Research Plan Section

[View Burden Statement](#)

PHS 398 Research Plan

OMB Number: 0925-0001  
Expiration Date: 09/30/2024

## Introduction

1. Introduction to Application  
(for Resubmission and Revision  
applications)

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

## Research Plan Section

2. Specific Aims

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

3. \*Research Strategy

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

4. Progress Report Publication List

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

## Other Research Plan Section

5. Vertebrate Animals

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

6. Select Agent Research

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

7. Multiple PD/PI Leadership Plan

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

8. Consortium/Contractual Arrangements

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12. Authentication of Key Biological and/or  
Chemical Resources

[Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

## Appendix

13. Appendix

[Add Attachments](#) [Delete Attachments](#) [View Attachments](#)

- Research Plan Section
  2. Specific Aims
  3. Research Strategy
- Renewals:
  - Contact the Program Officers listed on the NOFO to discuss the MIRA R35.
  - Are to include a Progress Report.
  - Progress falls within the Research Strategy Section (12-page limit).
  - Include a Progress Report Publication List (4. Progress Report Publication List under the Research Plan Section)

# 3. Research Strategy- Renewals

- Summarize the specific aims of the previous project period and the importance of the findings, and emphasize the progress made toward their achievement.
- Explain any significant changes to the specific aims and any new directions, including changes resulting from significant budget reductions.
- Discuss previous participant enrollment (e.g., recruitment, retention, inclusion of women, minorities, children, etc.).
- Use the Progress Report section to discuss, but not duplicate information collected elsewhere in the application.
- Review committee will consider the progress made in the last funding period.
- Do not include a list of publications, patents, or other printed materials in the Progress Report. That information will be included in the "Progress Report Publication List" attachment.

# 3. Research Strategy- Significance

- For all parts of the research strategy, applicants must follow all instructions in the **SF424 Application Guide**, and should also describe the following:
  - **Knowledge Gap.** The application should describe a need or gap in knowledge that the research project will address. For example, elaborate on how the research will contribute to understanding the mechanism of action of the intervention (the why and how an intervention works) or the knowledge gap the intervention or secondary analysis addresses.
  - **Theoretical Foundation.** The application should include a theoretical framework that can be used to explain, describe, analyze or predict behavior relevant to the intervention or secondary data analysis. Theory guides the intervention, provides a framework for understanding the antecedents of behavior, and links the research questions, the variables, and hypotheses to the analytical framework.

# 3. Research Strategy- Innovation

- For secondary data analysis research:
  - Justify the use of the pre-existing intervention data.
- Applications should address the ways in which the proposed research is innovative by describing:
  - How the research will test novel hypotheses or research questions that have not yet been investigated with the pre-existing database.
  - Whether the research will employ advanced analyses, or if the research will explore novel combinations of intervention datasets to enhance the understanding of how and why an intervention works.

# 3. Research Strategy- Approach

- How the theoretical framework guides the intervention, and the theoretical framework should be integrated into the analytical framework.
- Hypotheses or research questions being tested.
- Duration, frequency, and intensity of the intervention and whether there will be reinforcement sessions. The interventions should be cost-effective, practical, realistic, scalable and sustainable at a broad range of institutions.
- Assumptions underlying the intervention or secondary data analysis and justification for the intervention design.

# 3. Research Strategy- Approach (pt. 2)

- Demographics and career stage of the study population. Provide a description of the qualities and issues of the population(s) selected for the intervention or secondary analysis.
- Matched controls and/or comparison groups and sample sizes. For research using a pre-existing data set(s), describe the rigor of the intervention dataset(s).
- Human subject recruitment strategies and methods to sustain the interest and retention of study participants and control/comparison groups over the course of the intervention.
- The methods for standardization of procedures for data collecting and data management to assess the effect of intervention and quality control.
- Short-, medium-, and long-term intervention outcome measures.

# 3. Research Strategy- Approach (pt. 3)

- Detailed timeline with quantitative measures for achieving annual milestones integral to the success of the intervention and data analysis within the proposed period of the award. Provide plans for identifying impediments and critical decision points that could require a revision in the intervention plan. NIGMS program staff will use the milestones to assess progress. Continued funding is dependent upon showing progress on an annual basis.
- Description of data collection, handling and storage methods.
- Data analysis. Include a description of the methodology, sample size, statistical power, analytic techniques, and statistical analyses.

# 3. Research Strategy- Dissemination Plans

- Describe the generalizable knowledge to be revealed by the intervention research.
- Discuss how recommendations based on results of the proposed intervention could be used to modify or reinforce existing practices, inform additional novel interventions, or identify ineffective practices.
- Describe a plan to disseminate the intervention findings to the community (for example, through presentation at professional meetings and publications in peer-reviewed journals) and to make the intervention methods, tools, instruments, and resources available to the broader biomedical research workforce community.



# 3. Research Strategy- some tips

- Details on the intervention!
  - Describe the duration, frequency, and intensity of the intervention and whether there will be reinforcement sessions.
  - Describe how the intervention will be cost-effective, practical, realistic, scalable, and sustainable at a broad range of institutions or settings.
- A detailed timeline with quantitative measures for achieving annual milestones that are integral to the success of the project.
  - Include the plans for identifying impediments and critical decision points that may require a revision in the work plan.
  - Why is this important? NIGMS program staff will use these milestones to assess progress. Continued funding on the program is based upon the assessment of progress on an annual basis.

# PHS 398 Research Plan: Other Research Plan Section

[View Burden Statement](#)

PHS 398 Research Plan

OMB Number: 0925-0001  
Expiration Date: 09/30/2024

## Introduction

1. Introduction to Application (for Resubmission and Revision applications)

 [Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

## Research Plan Section

2. Specific Aims

 [Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

3. \*Research Strategy

 [Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

4. Progress Report Publication List

 [Add Attachment](#) [Delete Attachment](#) [View Attachment](#)

## Other Research Plan Section

5. Vertebrate Animals

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6. Select Agent Research

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## Appendix

13. Appendix

[Add Attachments](#) [Delete Attachments](#) [View Attachments](#)

- Other Research Plan Section

# Other Research Plan/SF424 (R&R)

8. Consortium/Contractual Arrangements (See: SF424 page 156)
  - A consortium is if any outside organization will perform any grant-supported research activities.
  - If you have consortium/contracts in your budget, you must complete and include an arrangement attachment.
  - Must explain the programmatic, fiscal, and administrative arrangements between the applicant organization and the consortium organization(s).
  - This must be included as a PDF attachment. DO NOT include in the Appendix.
9. Letters of Support (See: SF424 page 158)
  - Applicant may include any letters of support that: are necessary to demonstrate the support of consortium participants and collaborators, stipulate expectations for co-authorship, or other content.
  - Letters must be combined into a single PDF and attached to the application. DO NOT include the letters in the Appendix.

*See "Other Research Plan Section" in the SF424 Application Guide for additional information (begins on page 153).*

# 10. Resource Sharing Plan

Individuals are required to ***comply*** with the instructions for the Resource Sharing Plans as provided in the [How to Apply - Application Guide](#).

- Applications are expected to include a software dissemination plan ***if support is requested*** for development, maintenance, or enhancement of software in the application.
- See [PAR-24-230](#) for more information.

# Research Plan Form

## Appendix

[View Burden Statement](#)      PHS 398 Research Plan      OMB Number: 0925-0001  
Expiration Date: 09/30/2024

Introduction			
1. Introduction to Application (for Resubmission and Revision applications)	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
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Appendix			
13. Appendix	<input type="text"/>	<a href="#">Add Attachments</a>	<a href="#">Delete Attachments</a> <a href="#">View Attachments</a>

- Follow all instructions for the Appendix as described in the SF424 (R&R) Application Guide (See: page 164).
- Per the NOFO, only limited Appendix materials are allowed—blank questionnaires or blank surveys.
- Applications ***will be withdrawn*** and not reviewed if the appendix requirements are violated.

# Additional Application Materials

## R&R Other Project Information Form

**RESEARCH & RELATED Other Project Information** OMB Number: 4040-0001  
Expiration Date: 12/31/2022

1. Are Human Subjects Involved?  Yes  No

1.a. If YES to Human Subjects  
Is the Project Exempt from Federal regulations?  Yes  No  
If yes, check appropriate exemption number.  1  2  3  4  5  6  7  8  
If no, is the IRB review Pending?  Yes  No  
IRB Approval Date:   
Human Subject Assurance Number:

2. Are Vertebrate Animals Used?  Yes  No

2.a. If YES to Vertebrate Animals  
Is the IACUC review Pending?  Yes  No  
IACUC Approval Date:   
Animal Welfare Assurance Number:

3. Is proprietary/privileged information included in the application?  Yes  No

4. Does this Project Have an Actual or Potential Impact - positive or negative - on the environment?  Yes  No

4.b. If yes, please explain:

4.c. If this project has an actual or potential impact on the environment, has an exemption been authorized or an environmental assessment (EA) or environmental impact statement (EIS) been performed?  Yes  No

4.d. If yes, please explain:

5. Is the research performance site designated, or eligible to be designated, as a historic place?  Yes  No

5.a. If yes, please explain:

6. Does this project involve activities outside of the United States or partnerships with international collaborators?  Yes  No

6.a. If yes, identify countries:

6.b. Optional Explanation:

7. Project Summary/Abstract

8. Project Narrative

9. Bibliography & References Cited

10. Facilities & Other Resources

11. Equipment

12. Other Attachments

## Are Human Subjects Involved?

- If activities involving human subjects are planned at any time during the proposed project, check "Yes".
- MOST applications WILL involve human subjects research.
- Check "Yes" even if the project is exempt from Federal regulations.
- Visit this [link](#) to learn more about human subjects research and to see if your research meets the criteria for [human subject exemptions](#).
- See page 55 in the SF424 Application Guide for more information.

Health-related biomedical or behavioral outcomes cannot be explored related to the intervention under this NOFO.

**NIH defined Clinical Trials are not allowed.**

# Additional Application Materials (pt. 2)

## Section 2 - Study Population Characteristics

### 2.1. Conditions or Focus of Study

### 2.2. Eligibility Criteria

2.3. Age Limits    Minimum Age      Maximum Age

2.3.a. Inclusion of Individuals Across the Lifespan

2.4. Inclusion of Women and Minorities

2.5. Recruitment and Retention Plan

2.6. Recruitment Status

2.7. Study Timeline

2.8. Enrollment of First Participant

## Study Population Characteristics

- All of Section 2 is required for all human subject studies unless you selected Exemption 4.
- See page 258 in the SF424 Application Guide for more information.
- Where appropriate, attach information as a PDF File.

# Plan for Enhancing Diverse Perspectives

- All applications must include a Plan for Enhancing Diverse Perspectives (PEDP)
  - **“Other Attachment”** entitled **“Plan for Enhancing Diverse Perspectives.”**
  - **No more than two pages.**
  - **Applications that do not include this attachment will be considered incomplete and will not be reviewed.**
  - The PEDP will be assessed as part of the scientific and technical peer review evaluation.
- The PEDP:
  - Should align with the proposed strategies for PEDP with the research strategy section.
  - Will vary depending on the scientific aims, expertise required, the environment and performance site(s), as well as how the project aims are structured.
  - Should be actionable using defined approaches for inclusion of diverse perspectives.
  - Will advance the scientific and technical merit of the proposed project.
  - Anticipate the timeline of proposed activities.
  - Evaluate the progress and success of PEDP activities.



# Plan for Enhancing Diverse Perspectives- examples

- Some examples of items that advance PEDP activities:
  - Partnerships with different types of institutions and organizations
  - Project framework that enable communities and researchers to work collaboratively
  - Outreach and planned engagement of individuals from diverse groups as human subjects
  - Description of planned partnerships that may enhance geographic and regional diversity

# Plan for Enhancing Diverse Perspectives- examples (pt 2)

- Some examples of items that advance PEDP activities:
  - Plans to utilize the project infrastructure (i.e., research and structure) to enhance the research environment and support career-advancing opportunities for junior, early- and mid-career researchers
  - Transdisciplinary research projects and collaboration among researchers
  - For further information, please see [PEDP guidance materials](#)

# Outline

1. Overview of B-INSPIRE
2. Program Considerations
3. Application Components
4. **Grants Management Overview**
5. Review Overview
6. Question and Answer Period



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# Grants Management Overview

# Award Budget Limitations

- **Total Costs:** Application budgets are not limited but **need to reflect the actual needs of the proposed project.**
- **Project Period:** The scope of the proposed project should determine the project period. **Applicants may propose projects up to five years in duration.**
- **For budget requests of \$500,000 or more for direct costs in any year (excluding consortium F&A),** applicants must contact the Scientific/ Research Contact at least 6 weeks before submitting the application and follow the Policy on the Acceptance for Review of Unsolicited Applications that Request \$500,000 or More in Direct Costs as described in the SF424 (R&R) Application Guide.

# Budget Information

- F&A can be requested at negotiated institutional rate agreement.
- There are no NOFO designated unallowable costs, however:
  - Refer to sections 7.9.1, [Select Items of Cost](#), and 7.2, [The Cost Principles](#), of the NIH Grants Policy Statement.
  - All items of Direct Cost must be specifically for an activity within the described scope of the proposed project.

# Budget Formats

- Use the **Modular Budget Form** if requesting  $\leq$ \$250K Direct Costs per year
- Use the detailed **R&R Budget Format** if requesting  $>$ \$250K Direct Costs per year

# PHS 398 Modular Budget

- Is simplified; detailed categorial information is not submitted in the modular format.
- Request total direct costs (**in modules of \$25,000**), reflecting appropriate support for the project.
- List all personnel, including names, percent effort (use the Person Months metric), and roles on the project, **only under the budget justification**.
- **Do not provide individual salary information.**
- Modular Budget Form Instructions under [Section G.320](#) of the SF-424 Instruction Set.



# PHS 398 Modular Budget Form

[View Burden Statement](#)

## PHS 398 Modular Budget

OMB Number: 0925-0001  
Expiration Date: 3/31/2020

Budget Period: 1				
Start Date: <input type="text"/>		End Date: <input type="text"/>		<a href="#">Next Period</a>
<b>A. Direct Costs</b>			Funds Requested (\$)	
Direct Cost less Consortium Indirect (F&A)			<input type="text" value="0.00"/>	
Consortium Indirect (F&A)			<input type="text"/>	
Total Direct Costs			<input type="text" value="0.00"/>	
<b>B. Indirect (F&amp;A) Costs</b>				
<input type="checkbox"/>	Indirect (F&A) Type	Indirect (F&A) Rate (%)	Indirect (F&A) Base (\$)	Funds Requested (\$)
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<a href="#">Add Additional Indirect Cost</a>				
Cognizant Agency (Agency Name, POC Name and Phone Number)		<input type="text"/>		
Indirect (F&A) Rate Agreement Date <input type="text"/>		Total Indirect (F&A) Costs <input type="text"/>		
<b>C. Total Direct and Indirect (F&amp;A) Costs (A + B)</b>			Funds Requested (\$) <input type="text" value="0.00"/>	
<a href="#">Add Period</a>				

# “Detailed” R&R Budget

- The R&R (Research and Related) requires a detailed itemized listing of all items of Direct Cost over a minimum of 3 budget pages per year (sections A through K).
- Also requires a full accompanying budget justification **with individual salary information.**
- R&R Form Instructions under [Section G.300](#) of the SF-424 Instruction Set.

# R&R Budget Form (sections A&B)

RESEARCH & RELATED BUDGET - Budget Period 1

Delete Period

OMB Number: 4040-0001  
Expiration Date: 10/31/2019

ORGANIZATIONAL DUNS:  Enter name of Organization:

Budget Type:  Project  Subaward/Consortium Budget Period: 1 Start Date:  End Date:

## A. Senior/Key Person

Prefix	First	Middle	Last	Suffix	Base Salary (\$)	Months			Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
						Cal.	Acad.	Sum.			
X											

Project Role:

Add Additional Key Person

Additional Senior Key Persons:  Add Attachment Delete Attachment View Attachment Total Funds requested for all Senior Key Persons in the attached file

Total Senior/Key Person

## B. Other Personnel

Number of Personnel	Project Role	Months			Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
		Cal.	Acad.	Sum.			
<input type="text"/>	Post Doctoral Associates	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	Graduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	Undergraduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	Secretarial/Clerical	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
X		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Additional Other Personnel

Total Number Other Personnel

Total Other Personnel

Total Salary, Wages and Fringe Benefits (A+B)

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Sonia Ortiz-Miranda,  
PhD

# Peer Review Overview

# Review of Applications

- Applications submitted in response to the reissued B-INSPIRE NOFO (PAR-24-230) will be reviewed at the Center for Scientific Review (CSR)

## **Scientific/Research Contact(s)**

Mercedes Rubio, Ph.D.  
National Institute of General Medical Sciences (NIGMS)  
Email: [mercedes.rubio@nih.gov](mailto:mercedes.rubio@nih.gov)

Shakira Nelson, Ph.D.  
National Institute of General Medical Sciences (NIGMS)  
Email: [shakira.nelson@nih.gov](mailto:shakira.nelson@nih.gov)

Christopher Barnhart, PhD  
Sexual & Gender Minority Research Office (SGMRO)  
Telephone: 301-594-8983  
Email: [christopher.barnhart@nih.gov](mailto:christopher.barnhart@nih.gov)



## **Peer Review Contact(s)**

Center for Scientific Review  
Email: [FOAReviewContact@csr.nih.gov](mailto:FOAReviewContact@csr.nih.gov)

## **Financial/Grants Management Contact(s)**

Justin Rosenzweig  
National Institute of General Medical Sciences (NIGMS)  
Email: [justin.rosenzweig@nih.gov](mailto:justin.rosenzweig@nih.gov)

# Review of Applications

- General Review Criteria considerations
  - Pay special consideration to the **Announcement** in Section V of the new NOFO as it describes the intended focus areas for the proposed research.
  - **Plan to Enhance Diverse Perspectives** will be evaluated as part of the overall impact of the application.
- Scored Review Criteria (each item receives a score)
  - **Significance**
  - **Investigator(s)**
  - **Innovation**
  - **Approach**
  - **Environment**
- Additional Review Criteria (no separate scores but contributes to Overall Final Score)
  - Human Subjects, Inclusion Plans, Vertebrate Animals, Biohazards, Renewal
- Additional Review Considerations (not part of Overall Final scores)
  - Select Agents, Resource Sharing Plans, Authentication of Resources, Budget

# Review of Applications

## REMINDERS:

- Be sure to comply with all NOFO instructions
  - Applications missing any required components, or that include any additional materials, or that exceed page limits, etc. will be considered non-compliant and may not be accepted for review.
- Submit early!!!



# Common Issues

- **Pre-review**

- Missing PEDP

- **During review**

- Training activity without rigorous research plan
- Generalizability
- Insufficient statistical power to determine impact
- Limited/small scale/very brief interventions
- Confounding aims/effects

# Connect, Follow, and Subscribe!

- [B-INSPIRE](#) webpage
- NIGMS Blogs
  - *Feedback Loop*:
    - [loop.nigms.nih.gov](http://loop.nigms.nih.gov) (blog)
    - [bit.ly/nigmstrainee](http://bit.ly/nigmstrainee) (trainee list)
  - *Biomedical Beat*: [biobeat.nigms.nih.gov](http://biobeat.nigms.nih.gov)
- NIGMS Media Coverage: [go.nih.gov/mediacoverage](http://go.nih.gov/mediacoverage)
- Find NIGMS on Social “ ”



# Question and Answer Period

## Contacts:

**Shakira Nelson ([Shakira.nelson@nih.gov](mailto:Shakira.nelson@nih.gov))**

**Mercedes Rubio ([rubiome@mail.nih.gov](mailto:rubiome@mail.nih.gov))**

**Justin Rosenzweig ([justin.Rosenzweig@nih.gov](mailto:justin.Rosenzweig@nih.gov))**

**CSR ([FOAReviewContact@csr.nih.gov](mailto:FOAReviewContact@csr.nih.gov))**