Prospective Applicant Webinar:

Research on Interventions that Promote the Careers of Individuals in the Biomedical Research Enterprise (PAR-21-269)

July 26, 2022
Before We Start...

• **This webinar is being recorded** and will be available online.
• The slides will also be posted online.
• Type your questions in the “Q&A” box.
• There will be a Q&A period at the end of the webinar.
Webinar Participants

Program

• Sydella Blatch, Ph.D., Research on Interventions Program Officer

• Shakira Nelson, Ph.D., Research on Interventions Program Officer

Review

• Isaiah Vincent, Ph.D., NIGMS Scientific Review Branch

Grants Management

• Justin Rosenzweig, Grants Management Team Leader
Tweet us!

Follow us @NIGMSTraining
Disclaimer

This webinar and accompanying slides are for informational purposes only. They serve as an overview of the NIGMS Research on Interventions Program and are not meant to be comprehensive in coverage of all required components of an application.

Applicants are responsible for following the instructions detailed in the FOA and any Related Notices (included in the FOA’s Overview Information section), and the SF424 Application Guide.
Importance of Checking for Notices!

Check the FOA online, Part I, for recently published Notices. They can describe important changes to the FOA.

Research on Interventions that Promote the Careers of Individuals in the Biomedical Research Enterprise (R01 Clinical Trial Not Allowed)

R01 Research Project Grant

July 19, 2021 - Notice of Change to Award Budget Limitations for PAR-21-269. See Notice NOT-GM-21-055.

Related Notices

- September 13, 2021 - Updates to the Non-Discrimination Legal Requirements for NIH Recipients. See Notice NOT-OD-21-181.
- April 20, 2021 - Expanding Requirement for eRA Commons IDs to All Senior/Key Personnel. See Notice NOT-OD-21-109.
- July 20, 2021 - Notice of Special Interest (NOSI): Interventions Designed to Change the Culture to Mitigate or Eliminate Sexual Harassment in the Biomedical Research Enterprise. See Notice NOT-OD-21-150.
- July 19, 2021 - Notice of Change to Award Budget Limitations for PAR-21-269. See Notice NOT-GM-21-055.
- July 08, 2021 - Notice of Informational Webinar on PAR-21-269. See Notice NOT-GM-21-054.
Webinar Outline

I. Program Overview
   A. Background & Purpose
   B. Key Information & Changes From the Previous FOA
   C. Program Considerations
   D. Examples of Possible Areas of Study

II. Application Overview

III. Peer Review Overview

IV. Budget Overview

V. Additional Resources

VI. Question and Answer Period
Program Overview
Program Background

• 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 seeks to support a diversity of individuals from a variety of backgrounds at multiple training and career stages in a variety of institutions and educational settings.

• This includes a variety of programs designed to develop a diverse pool of scientists with the skills and motivation to transition into and continue in the biomedical research workforce.
Program Background

• There is a wide variety of evidence-informed practices/interventions intended to strengthen the biomedical research workforce employed nation-wide.

• However, there is a clear need for more **hypothesis-driven research to test interventions for efficacy and replicability across career stages and at a range of institution types and to provide empirical evidence of the factors contributing to success.**

  o **For example**

    • How efficacious is the intervention? In what way(s)?
    • What elements make the intervention efficacious and to what extent?
Purpose

• Through PAR-21-269, NIGMS intends to support research that will contribute to the evidence base for effective, high-impact, scalable interventions, and to improve our understanding of the elements contributing to the advancement of individuals pursuing biomedical research careers.

• We encourage applications that propose research designed to test interventions to enhance research-oriented individuals' interest, motivation, persistence and preparedness for careers in the biomedical research workforce.

• Funded projects are expected to produce research findings that will guide the implementation of interventions in a variety of academic settings and career levels to enhance the diversity of the biomedical research workforce.
Key Information for PAR-21-269

• Dates
  o Earliest Start Date: July of 2022, 2023 and 2024.

• Application Types: New, Resubmission, or Renewal of PAR-19-295.

• Please submit a **Letter of Intent** no later than **30 days before** the application due date.
  o Refer to [PAR-21-269](#) for contents of the Letter of Intent.

• If requesting \( \geq 500K \) direct cost/year, contact Program Officer *at least 6 weeks* before submitting your application for prior approval.
Key Information for PAR-21-269

- Applications that include the following will be deemed non-responsive to the FOA and will be administratively withdrawn.
  
  - A plan to provide a training, mentoring, or networking service without a testable hypothesis, intervention framework, and/or a clearly articulated population with the appropriate controls.
  
  - An intervention that is not scalable or practical in a range of settings applicable to the broader biomedical research community.

All prospective applicants are HIGHLY ENCOURAGED to send the Program Officers a one-page specific aims or summary well in advance of submission to help gauge responsiveness.
Program Considerations
Research – Not (Only) Evaluation

• This funding opportunity is not designed to support evaluation of an existing or planned program(s).

• This funding opportunity is not designed to support a training program, curriculum development, or other activity disguised as an experiment.

• Examples of distinctions:
  - Research tends to
    • Test a hypothesis or theory – to add to a body of knowledge.
  - Evaluation tends to
    • Determine effectiveness, extent aims were conducted, and the outcomes – in order to improve a program.
    • Have stakeholders as the only source of information.

• There is overlap, but these proposals must include rigorous experiments.
Robust Experimental Design

• As part of hypothesis testing, projects are expected to include appropriate controls or comparison groups.

• Results are expected to move beyond 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 on 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

• These interventions and underlying assumptions are typically complex in nature.

• **It is expected that most studies will require multidisciplinary approaches.**

• We strongly encourage a **collaborative effort**, when necessary, among biomedical researchers, program administrators, educators, psychologists, sociologists, statisticians, and/or economists, etc. as appropriate.

• **NOTE:** For institutions/organizations proposing multiple PDs/PIs, you must include a Multiple PD/PI Leadership Plan.
Examples of Possible Areas of Study
A Few Possible Areas of Study

• **Training, Mentoring, and Networking**
  - Inform the community about why, how, and to what extent certain strategies and approaches have significant impacts on academic and professional success

• **Psychosocial factors**
  - How psychosocial factors influence persistence, advancement, and success. Should be linked to measurable outcomes

• **Navigation of critical transition points**
  - Underlying mechanisms that contribute to timely transitions and career progression

• **Institutional factors that influence persistence**
  - Tests of interventions to address institutional level structures and culture

• **Harassment**
  - Research designed to change the culture to mitigate or eliminate sexual and other forms of harassment

• **Other areas are encouraged!**
Notice of Special Interest (NOSI)

• **NOT-OD-21-150**

• **Interventions Designed to Change the Culture to Mitigate or Eliminate Sexual Harassment in the Biomedical Research Enterprise**

• **Purpose:** To inform potential applicants of the NIH’s interest in supporting research on interventions designed to change the culture to mitigate or eliminate sexual harassment in the biomedical research enterprise.

  - This notice aligns with the [Anti-Sexual Harassment](#) policy statements released by NIH as well as recommendations made in the December 2019 Report from the [Working Group to the Advisory Committee to the NIH Director (ACD)](#) on [Changing the Culture to End Sexual Harassment](#), which were endorsed by the ACD.

• If you are interested in submitting an application to this initiative, applicants should include “NOT-OD-21-150” (without quotation marks) in the Agency Routing Identifier field (box 4B) of the SF424 R&R form.
What has been funded in the past

We encourage all potential applicants to review current and recently funded Research on Interventions awards.

• You can find links to project info in NIH RePORTER via this NIGMS webpage, accessible from the main Research on Interventions page.

• NOTE: these include multiple FOA reissuances, which have differences compared to the current FOAs.
Application:
Research Strategy Section

For PAR-21-269
As your first step, thoroughly read through the FOA, any Related Notices, and the SF424 (R&R) Application Guide.

Interventions FOA: PAR-21-269

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<th>Application Due Dates</th>
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<td><strong>New</strong></td>
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**NOTE:** This presentation *does NOT include a complete list* of all application materials, components or guidelines.
# Application: Page Limits (selected)

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<th>Section of Application</th>
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<td>Project Narrative</td>
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<td>Introduction to Resubmission and Revision Applications (if applicable)</td>
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<td>Specific Aims</td>
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<tr>
<td>Research Strategy</td>
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<td>Biographical Sketch(es)</td>
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<td>Plan for Enhancing Diverse Perspectives</td>
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Reminder: **if the page limits listed are different from the FOA, FOA instructions always supersede.**
If Applying to the Sexual Harassment NOSI

- For funding consideration, applicants should include “NOT-OD-21-150” (without quotation marks) in the Agency Routing Identifier field (box 4B) of the SF424 R&R form.
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<td>6. Select Agent Research</td>
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<td>7. Multiple PD/PI Leadership Plan</td>
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<td>8. Consortium/Contractual Arrangements</td>
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### Research Plan Section

- **Research Plan Section**
  - 2. Specific Aims
  - 3. Research Strategy

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3. Research Strategy (Page limit: 12 pages)

Applications must follow all instructions in the Application Guide, and should include the following:

- What is the need for the intervention, the hypothesis being tested, and the knowledge gap that will be addressed?
- The assumptions that underlie your identified intervention and study design.
- The use of rigorous and reproducible experimental design and approach.
- What are the demographics and career stage of the population(s) included in your study?
  - It is important for applicants to provide a description of the qualities and issues of the population(s) selected for study.
3. Research Strategy (*Page limit: 12 pages*)

- A description of the matched controls and/or comparison groups that will be used in the study.

- What are the recruitment strategies and methods to sustain the interest of participants and the control/comparison groups over the course of the study?

- Description of data analysis methodology, including sample size, statistical power, and analytic framework/statistical analyses.

- Description of data collection, handling, and storage methods.

- Dissemination plans
  - Describe a plan to disseminate the research findings to the community (i.e. professional meeting presentations, publications, etc.).
  - Describe plans to make the intervention methods, tools, instruments, and resources available to the broader biomedical research workforce community.
3. Research Strategy *(Page limit: 12 pages)*

- 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.
# Research Plan Form

**PHS 398 Research Plan**

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

**Research Plan Section**
2. Specific Aims
3. Research Strategy
4. Progress Report Publication List

**Other Research Plan Section**
5. Vertebrate Animals
6. Select Agent Research
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9. Letters of Support
10. Resource Sharing Plan(s)
11. Authentication of Key Biological and/or Chemical Resources

**Appendix**
12. Appendix

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**Other Research Plan Section**

- View Burden Statement
- PHS 398 Research Plan
- OMB Number: 0925-0001
- Expiration Date: 2/28/2023

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**Research on Interventions Prospective Applicant Webinar – 7/26/2022**

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**NIH National Institute of General Medical Sciences**
8. Consortium/Contractual Arrangements (SF424 page 152)

- 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 (SF424 page 155)

- 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 141).
10. Resource Sharing Plan

- Applicants must comply with the instructions for the Resource Sharing Plan as provided in SF424 Application Guide.

- The FOA also provides modifications that apply:
  - All applications, regardless of the amount of direct costs requested for any one year, should address a Data Sharing Plan.
  - Applications are expected to include a software dissemination plan if support for development, maintenance, or enhancement of software is requested in the application.

Please contact program PO's with questions.
Appendix

- Per the FOA, only limited Appendix materials are allowed. Follow all instructions for the Appendix as described in the SF424 (R&R) Application Guide, page 158.

- Applications will be withdrawn and not reviewed if they do not follow the appendix requirements in the Application Guide or the FOA.
**Additional Application Materials**

**R&R Other Project Information Form**

**RESEARCH & RELATED Other Project Information**

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 or privileged information included in the application?  
   - [ ] Yes  
   - [ ] No

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

4.b. 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

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**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 you meet the criteria for human subject exemptions.
- See page 55 in the SF424 Application Guide for more information.
### Additional Application Materials

**Section 2 - Study Population Characteristics**

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<th>2.2. Eligibility Criteria</th>
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<th>2.3. Age Limits</th>
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<td>2.3a. Inclusion of Individuals Across the Lifespan</td>
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<td>2.4. Inclusion of Women and Minorities</td>
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<td>2.5. Recruitment and Retention Plan</td>
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<td>2.6. Recruitment Status</td>
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<td>2.7. Study Timeline</td>
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<td>2.8. Enrollment of First Participant</td>
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**Study Population Characteristics**

- All of Section 2 is required for all human subject studies unless you selected Exemption 4.
- See page 248 in the SF424 Application Guide for more information.
- Where appropriate, attach information as a PDF File.
Plan for Enhancing Diverse Perspectives
(Page limit: 1 page)

• All applications must include a Plan for Enhancing Diverse Perspectives (PEDP)
  
  ○ Applications that do not include this attachment will be considered incomplete and will not be reviewed.

• The PEDP:
  
  ○ Must include a summary of strategies to advance the scientific and technical merit of the proposed projects through expanded inclusivity.
  
  ○ Incorporate elements with relevance to any review criteria, including significance, innovation, investigator(s), environment, and approach (e.g., to what extent do the efforts described in the PEDP further the significance of the project?)
  
  ○ Will vary depending on the scientific aims, expertise required, the environment and performance site(s), as well as how the project aims are structured.
Plan for Enhancing Diverse Perspectives

Examples of items that could be part of the PEDP:

- Discussion of engagement with different types of institutions and organizations (e.g., research-intensive, undergraduate-focused, minority-serving, community-based).
- Description of any planned partnerships that may enhance geographic and regional diversity.
- Plan to utilize the project infrastructure (i.e., research and structure) to support career-enhancing research opportunities for diverse junior, early- and mid-career researchers.
- Plan to develop transdisciplinary collaboration(s) that require unique expertise and/or solicit diverse perspectives to address research question(s).
- Outreach and planned engagement activities to enhance recruitment of individuals from diverse groups as research participants including those from under-represented backgrounds.

We encourage applicants to read through the FOA for more information on the PEDP.
Non-responsive Applications

Applications that include the following will be deemed *non-responsive* to this FOA and will be *administratively withdrawn*.

- A plan to provide a training, mentoring, or networking service without a testable hypothesis, intervention framework, and/or a clearly articulated population with the appropriate controls.
- An intervention that is not scalable or practical in a range of settings applicable to the broader biomedical research training community.
Peer Review Overview
Review of Applications

• Scored Review Criteria (each item gets a score)
  o Significance
  o Investigator(s)
  o Innovation
  o Approach
  o Environment

  Pay special attention to "Specific to this FOA" criteria

• Additional Review Criteria (no separate score but contributes to Final)
  o Human Subjects, Inclusion Plans, Vertebrate Animals, Biohazards

• Additional Review Considerations (not part of Final score)
  o Resource Sharing Plans, Authentication of Resources, Budget
Review of Applications

Reviews will be managed by the NIGMS Scientific Review Branch.

REMINDERS:

• Be sure to comply with all FOA instructions
  
  ○ Applications missing any required components, or that include any additional materials, or that exceed page limits, etc. will be withdrawn without review.

• Submit early!!!
FOA Specific Review Criteria

Investigator(s)

• Are the PD(s)/PI(s), collaborators, and other researchers well suited to the project? If Early Stage Investigators or those in the early stages of independent careers, do they have appropriate experience and training? If established, have they demonstrated an ongoing record of accomplishments that have advanced their field(s)? If the project is collaborative or multi-PD/PI, do the investigators have complementary and integrated expertise; are their leadership approach, governance and organizational structure appropriate for the project?

• **Specific to this FOA:** Do the PDs/PIs have the time to commit sufficient effort to ensure the success of the research effort, given their other professional obligations? To what extent will the efforts described in the Plan for Enhancing Diverse Perspectives strengthen and enhance the expertise required for the project?

Innovation

• Does the application challenge and seek to shift current research or clinical practice paradigms by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions? Are the concepts, approaches or methodologies, instrumentation, or interventions novel to one field of research or novel in a broad sense? Is a refinement, improvement, or new application of theoretical concepts, approaches or methodologies, instrumentation, or interventions proposed?

• **Specific to this FOA:** To what extent will the efforts described in the Plan for Enhancing Diverse Perspectives meaningfully contribute to innovation?
Approach

• Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Have the investigators included plans to address weaknesses in the rigor of prior research that serves as the key support for the proposed project? Have the investigators presented strategies to ensure a robust and unbiased approach, as appropriate for the work proposed? Are potential problems, alternative strategies, and benchmarks for success presented? If the project is in the early stages of development, will the strategy establish feasibility and will particularly risky aspects be managed? Have the investigators presented adequate plans to address relevant biological variables, such as sex, for studies in vertebrate animals or human subjects?

• If the project involves human subjects and/or NIH-defined clinical research, are the plans to address 1) the protection of human subjects from research risks, and 2) inclusion (or exclusion) of individuals on the basis of sex/gender, race, and ethnicity, as well as the inclusion or exclusion of individuals of all ages (including children and older adults), justified in terms of the scientific goals and research strategy proposed?

• Specific to this FOA: Does the application describe a robust scientific approach to test assumptions and hypotheses that provide an understanding of the factors that contribute to an effective intervention designed to increase and sustain the interest, motivation, and preparedness for careers in the biomedical research workforce of individuals from diverse backgrounds (e.g., individuals underrepresented in the biomedical research workforce)? Does the research include appropriate outcome measures beyond participant satisfaction, self-reporting of perceived skills gained, or self-reporting of effectiveness? Does the application describe a robust research plan that goes beyond an evaluation of a training or mentoring program? How likely is it that the proposed research will generate evidence that will lead to meaningful conclusions? Will the proposed project provide the scientific community with sound evidence of the immediate and long-term impact of the intervention(s) with respect to efficacy and sustainability?

• If applicable, will the proposed studies inform the field about the duration, frequency, and intensity of intervention effects, and whether those effects can be enhanced by reinforcement sessions?

• Is the intervention cost-effective, practical, realistic, scalable and sustainable in a broad range of settings or institutions?

• For the participants and control/comparator groups, are the planned recruitment, retention, and follow-up activities adequate to ensure the intervention or study can be completed and assessed?

• Are the timeline and milestones associated with the Plan for Enhancing Diverse Perspectives well-developed and feasible?
Environment

- Will the scientific environment in which the work will be done contribute to the probability of success? Are the institutional support, equipment and other physical resources available to the investigators adequate for the project proposed? Will the project benefit from unique features of the scientific environment, subject populations, or collaborative arrangements?

- **Specific to this FOA:** To what extent will features of the environment described in the Plan for Enhancing Diverse Perspectives (e.g., collaborative arrangements, geographic diversity, institutional support) contribute to the success of the project?
Common Issues

• Pre-review
  - Missing PEDP
  - Incorrect Letter of Support

• During review
  - Training activity without rigorous research plan
  - Generalizability or scaling
  - Fidelity and/or confounding
  - Insufficient statistical power to determine impact of limited/small scale/very brief interventions
Budget Overview
NOT-GM-21-055: Notice of Change to Award Budget Limitations for PAR-21-269

Application budgets are *not limited* but should reflect the actual needs of the proposed project.

For budget requests of $500,000 or more for direct costs in any year (excluding consortium F&A), applicants must contact the current Program Officer contact(s) 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 FOA 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 Form

• 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

## Budget Period: 1

<table>
<thead>
<tr>
<th>Start Date:</th>
<th>End Date:</th>
<th>Next Period</th>
</tr>
</thead>
</table>

### A. Direct Costs

<table>
<thead>
<tr>
<th>Funds Requested ($)</th>
<th>Direct Cost less Consortium Indirect (F&amp;A)</th>
<th>Consortium Indirect (F&amp;A)</th>
<th>Total Direct Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td></td>
<td></td>
<td>0.00</td>
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</tbody>
</table>

### B. Indirect (F&A) Costs

<table>
<thead>
<tr>
<th>Indirect (F&amp;A) Type</th>
<th>Indirect (F&amp;A) Rate (%)</th>
<th>Indirect (F&amp;A) Base ($)</th>
<th>Funds Requested ($)</th>
<th>Cognizant Agency (Agency Name, POC Name and Phone Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Add Additional Indirect Cost**

<table>
<thead>
<tr>
<th>Indirect (F&amp;A) Rate Agreement Date</th>
<th>Total Indirect (F&amp;A) Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### C. Total Direct and Indirect (F&A) Costs (A + B)

<table>
<thead>
<tr>
<th>Funds Requested ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
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</table>

**Add Period**
"Detailed" R&R Budget Form

• 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**

<table>
<thead>
<tr>
<th>ORGANIZATIONAL DUNS:</th>
<th>Enter name of Organization:</th>
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</thead>
<tbody>
<tr>
<td>Budget Type:</td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Subaward/Consortium</td>
</tr>
<tr>
<td>Budget Period:</td>
<td></td>
</tr>
<tr>
<td>1</td>
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</tr>
<tr>
<td>Start Date:</td>
<td></td>
</tr>
<tr>
<td>End Date:</td>
<td></td>
</tr>
</tbody>
</table>

### A. Senior/Key Person

<table>
<thead>
<tr>
<th>Prefix</th>
<th>First</th>
<th>Middle</th>
<th>Last</th>
<th>Suffix</th>
<th>Base Salary ($)</th>
<th>Months</th>
<th>Requested Salary ($)</th>
<th>Fringe Benefits ($)</th>
<th>Funds Requested ($)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cal.</td>
<td>Acad.</td>
<td>Sum.</td>
<td></td>
</tr>
</tbody>
</table>

| Project Role: | PD/PI |

Add Additional Key Person

Additional Senior Key Persons: ____________________________

Total Funds requested for all Senior Key Persons in the attached file

Total Senior/Key Person

### B. Other Personnel

<table>
<thead>
<tr>
<th>Number of Personnel</th>
<th>Project Role</th>
<th>Months</th>
<th>Requested Salary ($)</th>
<th>Fringe Benefits ($)</th>
<th>Funds Requested ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Post Doctoral Associates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Graduate Students</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Undergraduate Students</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Secretarial/Clerical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

|                     | Add Additional Other Personnel |

|                     | Total Number Other Personnel |

|                     | Total Other Personnel |

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

**OMS Number: 4040-0001**

Expiration Date: 10/31/2019
Related Programs of Interest
NIGMS MIRA (R35)

- R35, Outstanding Investigator Award (Maximizing Investigators' Research Award; MIRA)
  - Support for the research in an investigator's laboratory that falls within the mission of NIGMS. Goal to increase the efficiency of NIGMS funding by providing investigators with greater stability and flexibility, thereby enhancing scientific productivity and the chances for important breakthroughs.
  - Could include research relevant to PAR-21-269
- The NIGMS MIRA website has more information, FOAs, and the Program Officers to contact for questions.
SCISIPBIO Program

• Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise

• Jointly supported by NIGMS and the Science of Science: Discovery, Communication, and Impact (SoS:DCI) program of the National Science Foundation (NSF)

• Supports research that advances the scientific basis of science and innovation policy, with a focus on the biomedical sciences.

• More information and program contacts on the NIGMS SCISIPBIO webpage
Other Programs of Interest

• If you are interested in studying interventions within the health practitioner workforce, there are other federal agencies who offer funding opportunities that may be of interest:

- AHRQ (Agency for Healthcare Research and Quality)
- HRSA (Health Resources & Services Administration)
Applicant next steps

• All prospective applicants are **HIGHLY ENCOURAGED** to send the Program Officers a one-page specific aims or summary.

• At least 6 weeks before the application due date, applicants are encouraged to submit a Letter of Intent to the Program Officers.

• For budget requests of $500,000 or more for **direct costs** in any year (excluding consortium F&A), applicants must contact a Program Officer at least 6 weeks before submitting the application.
Your Question and Answers

Remember to Contact the Program Officers Before Applying!

sydella.blatch@nih.gov
shakira.nelson@nih.gov

Program Webpage:
https://www.nigms.nih.gov/training/Pages/Interventions.aspx