



**BROWN**  
Division of Biology  
and Medicine

# **BMRA Proposal Preparation Checklist – NIH R01 Forms I**

FORMS-I application packages incorporate the latest versions of the PHS forms managed by NIH (OMB Number: 0925-0001 and 0925-0770, Expiration Date: 01/31/2026)

## **Before you begin:**

- **READ THE PA/RFA Solicitation.** Pay attention to the “Application and Submission Information” section
- Individual NIH PA/RFA take precedence over *NIH SF424 [General Application Guidelines](#)*
- Proposals **MUST** be submitted on or before **5:00 PM Local** time on the Deadline Date. If an NIH “standard deadline” falls on a weekend or **Federal** Holiday, the deadline is extended to the following business day. For RFAs with specific deadline dates the deadline is fixed and does NOT change.

- [Cover Letter](#) (*generally 1 – 2 pages*)
- [Project Summary/Abstract](#) (*Maximum 30 lines of text*)
- [Project Narrative](#) (*Maximum 3 sentences*)
- [Bibliography & References Cited](#)
- [Facilities & Other Resources](#)
- [Equipment](#)
- [Biographical Sketch](#) (*5 page limit*)
- [Budget Justification](#)
- [Introduction to Application](#) (*resubmission and revision applications, 1 page limit*)
- [Specific Aims](#) (*1 page limit*)
- [Research Strategy](#) (*12 page limit*)
- [Progress Report Publication List](#) (*renewal applications only*)

- [Vertebrate Animals](#)
- [Select Agent Research](#)
- [Multiple PD/PI Leadership Plan](#)
- [Consortium/Contractual Arrangements](#)
- [Letters of Support](#)
- [Resource Sharing Plan](#)
- [Data Management and Sharing Plan](#)
- [Authentication of Key Biological and/or Chemical Resources](#) (1 page suggested)
- [Appendix](#)
- [Assignment Request Form](#)
- [Human Subjects and Clinical Trial Information](#)

### **Cover Letter Attachment** (no page limit but generally 1 – 2 pages)

Attach the cover letter, addressed to the Division of Receipt and Referral, in accordance with the FOA and/or instructions beginning on [Page R-27](#). Usually optional and used for NIH internal purposes. May be required if direct cost budget exceeds \$500,000 in any one year, application includes a video, large scale genomic data, or if the proposed studies involve human fetal tissue obtained from elective abortions (HFT), regardless of whether or not Human Subjects are involved and/or there are costs associated with the HFT. A letter is also required if submitting under the [NIH Late Submission Policy](#). Refer to the program announcement for specific requirements. Note: Do NOT use it to request application assignment or review. That is now done via the optional PHS Assignment Request Form.

### **Project Summary/Abstract** (30 lines of text)

State the application's broad, long-term objectives and specific aims, making reference to the health relatedness of the project (i.e., relevance to the mission of the agency). Describe the research design and methods for achieving the stated goals. [Full instructions page R-39 and R-40](#).

### **Project Narrative** (2 or 3 sentences)

Describe the relevance of this research to public health in, at most, three sentences.

[Full instructions page R-40](#).

### **Bibliography & References Cited**

When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant, and arose from NIH support, provide the NIH Manuscript Submission reference number or the PubMed Central (PMC) reference number for each article. [Full instructions begin on page R-40](#).

### **Facilities & Other Resources**

Describe how the scientific environment in which the research will be accomplished contributes to the probability of success (e.g., institutional support, physical resources, and intellectual rapport). If there are multiple performance sites, describe the resources available at each site. Describe any special facilities used for working with biohazards and any other potentially dangerous substances.

[Full instructions begin on page R-41](#).

### **Equipment**

List major items of equipment already available for this project and, if appropriate, identify the equipment's location and pertinent capabilities. [Full instructions page R-42](#).

### **Other Attachments**

Attach a file to provide additional information only in accordance with the FOA and/or agency-specific instructions. If applicable, attach a "Foreign Justification" here. [Full instructions begin on page R-42](#).

### **Biographical Sketch**

All senior/key personnel and other significant contributors (OSCs) must include biographical sketches. Unless otherwise specified in an FOA, senior/key personnel are defined as all individuals who contribute in a substantive, meaningful way to the scientific development or execution of the project, whether or not salaries are requested. [Full instructions begin on page R-50](#). A sample NIH biosketch can be found [here](#). NIH biosketch FAQs can be found [here](#).

### **Budget Justification**

There are two primary types of Budget Forms: detailed R&R and PHS 398 modular. Generally, you must use the R&R Budget Form if you are applying for more than \$250,000 per budget period in direct costs, and you must use the Modular Budget Form if you are applying for \$250,000 or less. [Full instructions begin page R-78](#). See [here](#) for budget justification best practices.

## **Introduction to Application** *(resubmission and revision applications, 1 page limit)*

*Resubmission Applications:* See specific instructions on the content of the introduction on the NIH's

[Resubmission Application page](#). [Full instructions pages R-82](#)

*Competing Revisions:* See specific instructions on the content of the introduction on the NIH's [Competing Revisions page](#). [Full instructions pages R-82](#)

## **Specific Aims** *(1 page limit)*

State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will have on the research field(s) involved.

[Full instructions pages R-83](#).

## **Research Strategy** *(12 page limit)*

Start each section with the appropriate heading – Significance, Innovation, Approach. [Full instructions begin on page R-83](#). Note: New proposals should include preliminary studies; Renewal/Revisions should include a progress report.

## **Progress Report Publication List** *(renewal applications only)*

List the titles and complete references to all appropriate publications, manuscripts accepted for publication, patents, and other printed materials that have resulted from the project since it was last reviewed competitively.

[Full instructions pages R-86 and R-87](#).

## **Vertebrate Animals**

Include a "Vertebrate Animals" attachment if you answered "Yes" to the question "Are Vertebrate Animals Used?" on the R.220 - R&R Other Project Information Form. Address each of the following criteria: 1) Description of Procedures; 2) Justifications; 3) Minimization of Pain and Distress. Further information may be found on the NIH Office of Laboratory Animal Welfare (OLAW) [Webpage](#).

[Full instructions pages R-87 and R-89](#).

## **Select Agent Research**

Include a Select Agent Research attachment if your proposed activities involve the use of select agents at any time during the proposed project period, either at the applicant organization or at any performance site.

[Full instructions pages R-88 and R-89](#).

## **Multiple PD/PI Leadership Plan**

Any applicant who designates multiple PD/PIs must include a Multiple PD/PI Leadership Plan.

[Full instructions on pages R-89](#). Sample leadership plans can be found [here](#).

## **Consortium/Contractual Arrangements**

Include a Consortium/Contractual Arrangements attachment if you have consortiums/contracts in your budget.

[Full instructions begin on page R-90](#).

## **Letters of Support**

Attach a file with all letters of support, including any letters necessary to demonstrate the support of consortium participants and collaborators such as Senior/Key Personnel and Other Significant Contributors included in the grant application. [Full instructions pages R-90 and R-91](#).

## **Resource Sharing Plan**

This plan is only required if the project will develop model organisms or research tools. Note: Effective for due dates on or after January 25, 2023, Data Management and Sharing (DMS) Plans are now included in Section 11. Other Plan(s). Plans for Genomic Data Sharing should be provided as part of the Data Management and Sharing Plan. [Full instructions page R-91](#)

## **Data Management and Sharing Plan**

Applicants proposing to conduct research that will generate scientific data are subject to the [NIH Data Management and Sharing Policy](#) and must attach a Data Management and Sharing (DMS) Plan.

[Full instructions begin on page R-92](#). An optional DMS Plan template may be found [here](#).

## Authentication of Key Biological and/or Chemical Resources (1 page suggested)

If applicable to the proposed science, briefly describe methods to ensure the identity and validity of key biological and/or chemical resources used in the proposed studies. See NIH's page on [Rigor and Reproducibility](#). [Full instructions page R-94](#).

## Appendix

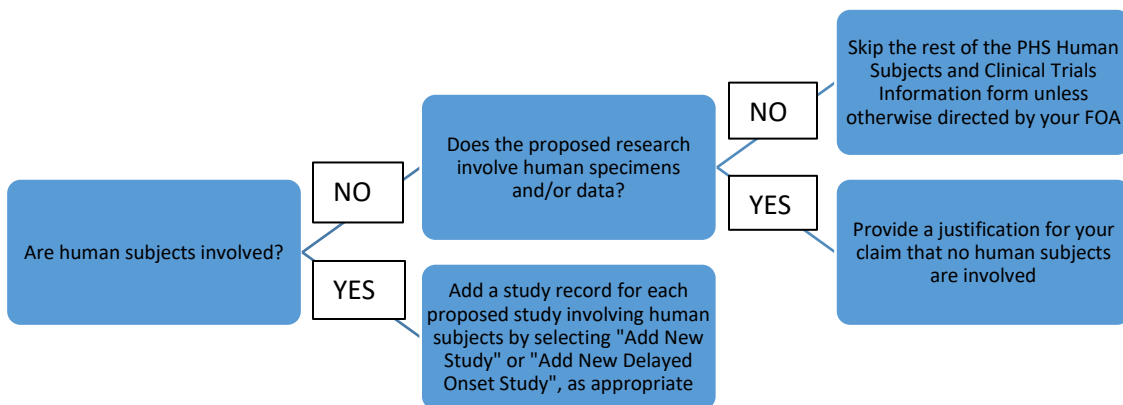
Refer to the FOA to determine whether there are any special appendix instructions for your application. See the NIH Guide Notice on the [Appendix Policy](#). [Full instructions pages R-94 and R-95](#).

## Assignment Request Form

The PHS Assignment Request Form may be used to communicate specific application assignment and review preferences to the Division of Receipt and Referral (DRR) and to Scientific Review Officers (SROs). [Full instructions begin on page R-133](#).

## Human Subjects and Clinical Trial Information [\(See Human Subject Checklist Here\)](#)

- New Form included in all Applications (whether or not human subjects or clinical trials are involved)
- Required form fields vary based on a number of factors, including:
  - If proposed research does not involve human subjects BUT involves use of Human Specimens or Data (see [here](#) for Research Involving Private Information or Biological Specimens flowchart)
  - Whether study is Delayed Onset, defined as human subjects research is anticipated within the period of award but definite plans cannot be described in the application.
  - Announcement specific instructions
  - Human Subjects Exemptions
  - Whether study involves a clinical trial



## Additional NIH Information

- After submission of an application, there is a two-day application viewing window. Prior to the due date, you may submit a change/corrected application. Submitting a change/corrected application will replace the previous submission and remove the previous submission from consideration.
- Descriptive Title of Applicant's Project: The descriptive title is limited to 200 characters, including spaces and punctuation. For resubmission and renewal applications you should normally have the same title as the previous grant or application. However, if the specific aims of the project have significantly changed, choose a new title.
- If you are requesting a budget with \$500,000 or more in direct costs for any budget period, contact the awarding component to determine whether you must obtain prior approval before submitting the application. Some NIH Institutes/Centers do not require prior approval.

## **Additional NIH Links**

[How To Apply - Application Guide](#)

[Selecting the Correct Application Instructions](#)

[Parent Announcements \(for unsolicited or investigator-initiated applications\)](#)

[Understand Funding Opportunities](#)

[Types of Applications](#)

[Submission Policies](#)

[Write Your Application](#)

[Guide to Grants and Contracts](#)

[Format Attachments](#)

[Page Limits](#)

[Application Due Dates](#)

[NIH Frequently Asked Questions \(FAQs\)](#)

[Frequently Asked Questions - Applying Electronically](#)

[Frequently Asked Questions - Resubmissions](#)

[Glossary & Acronym List](#)

[Biosketch](#)

[Other Support](#)

[Rigor and Reproducibility](#)

[Authentication of Key Biological and/or Chemical Resources in NIH Applications](#)

[Develop Your Budget](#)

[Vertebrate Animals](#)

## **Additional BMRA Links**

[BMRA Frequently Asked Questions](#)

[Institutional Facts and Reference Documents](#)

[Request a User ID for NIH eRA Commons](#)