INSERT TITLE HERE

My name[1]

[1]My affiliation

An NIH R01 proposal, submitted in response to
PA-20-185: NIH Research Project Grant.

Deadline for draft science and final budget:
Deadline for submission to OSP:
Deadline for submission to NIH:

Compiled on 2023/02/07 at 14:10:05.

PHS Assignment Request Form

Awarding component assignment suggestions

IF YOU HAVE A SUGGESTION FOR AN AWARDING COMPONENT (E.G., NIH INSTITUTE/CENTER) ASSIGNMENT, USE THE LINK BELOW TO IDENTIFY THE APPROPRIATE SHORT ABBREVIATION (E.G., "NCI" FOR NATIONAL CANCER INSTITUTE) AND ENTER IT BELOW IN THE BOXES FOR "SUGGESTED AWARDING COMPONENTS". ALL SUGGESTIONS WILL BE CONSIDERED; HOWEVER, NOT ALL ASSIGNMENT SUGGESTIONS CAN BE HONORED.

INFORMATION ABOUT AWARDING COMPONENT CAN BE FOUND HERE: HTTPS://GRANTS.NIH.GOV/GRANTS/PHS_ASSIGNMENT_INFORMATION.HTM#AWARDINGCOMPONE

Study section assignment suggestions

IF YOU HAVE A SUGGESTION FOR A STUDY SECTION ASSIGNMENT, USE THE LINK BELOW TO IDENTIFY A STUDY SECTION(S). ENTER THE SHORT ABBREVIATION FOR THAT STUDY SECTION IN THE BOXES FOR "SUGGESTED STUDY SECTIONS." REMOVE ALL HYPHENS, PARENTHESES, AND SPACES. ALL SUGGESTIONS WILL BE CONSIDERED; HOWEVER, NOT ALL ASSIGNMENT SUGGESTIONS CAN BE HONORED.

INFORMATION ABOUT STUDY SECTIONS CAN BE FOUND HERE: HTTPS://GRANTS.NIH.GOV/GRANTS/PHS_ASSIGNMENT_INFORMATION.HTM#STUDYSECTION

Rationale for assignment suggestions

ENTRY IS LIMITED TO 1000 CHARACTERS

Project Summary/Abstract

THE PROJECT SUMMARY MUST CONTAIN A SUMMARY OF THE PROPOSED ACTIVITY SUITABLE FOR DISSEMINATION TO THE PUBLIC. IT SHOULD BE A SELF-CONTAINED DESCRIPTION OF THE PROJECT AND SHOULD CONTAIN A STATEMENT OF OBJECTIVES AND METHODS TO BE EMPLOYED. IT SHOULD BE INFORMATIVE TO OTHER PERSONS WORKING IN THE SAME OR RELATED FIELDS AND INSOFAR AS POSSIBLE UNDERSTANDABLE TO A SCIENTIFICALLY OR TECHNICALLY LITERATE LAY READER. THE PROJECT SUMMARY IS MEANT TO SERVE AS A SUCCINCT AND ACCURATE DESCRIPTION OF THE PROPOSED WORK WHEN SEPARATED FROM THE APPLICATION. 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 CONCISELY THE RESEARCH DESIGN AND METHODS FOR ACHIEVING THE STATED GOALS. THIS SECTION SHOULD BE INFORMATIVE TO OTHER PERSONS WORKING IN THE SAME OR RELATED FIELDS AND INSOFAR AS POSSIBLE UNDERSTANDABLE TO A SCIENTIFICALLY OR TECHNICALLY LITERATE READER. AVOID DESCRIBING PAST ACCOMPLISHMENTS AND THE USE OF THE FIRST PERSON. FINALLY, PLEASE MAKE EVERY EFFORT TO BE SUCCINCT. THIS SECTION MUST BE NO LONGER THAN 30 LINES OF TEXT.

Project narrative

Using no more than two or three sentences, describe the relevance of this research to public health. In this section, be succinct and use plain language that can be understood by a general, lay audience.

Specific aims

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 exert on the research field(s) involved. List succinctly the specific objectives of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.

Research strategy

ORGANIZE THE RESEARCH STRATEGY IN THE SPECIFIED ORDER AND USING THE INSTRUCTIONS PROVIDED BELOW. START EACH SECTION WITH THE APPROPRIATE SECTION HEADING—SIGNIFICANCE, INNOVATION, APPROACH. CITE PUBLISHED EXPERIMENTAL DETAILS IN THE RESEARCH STRATEGY SECTION AND PROVIDE THE FULL REFERENCE IN THE BIBLIOGRAPHY AND REFERENCES CITED SECTION.

Significance

INSTRUCTIONS: EXPLAIN THE IMPORTANCE OF THE PROBLEM OR CRITICAL BARRIER TO PROGRESS IN THE FIELD THAT THE PROPOSED PROJECT ADDRESSES. EXPLAIN HOW THE PROPOSED PROJECT WILL IMPROVE SCIENTIFIC KNOWLEDGE, TECHNICAL CAPABILITY, AND/OR CLINICAL PRACTICE IN ONE OR MORE BROAD FIELDS. DESCRIBE HOW THE CONCEPTS, METHODS, TECHNOLOGIES, TREATMENTS, SERVICES, OR PREVENTATIVE INTERVENTIONS THAT DRIVE THIS FIELD WILL BE CHANGED IF THE PROPOSED AIMS ARE ACHIEVED.

REVIEW CRITERIA: DOES THE PROJECT ADDRESS AN IMPORTANT PROBLEM OR A CRITICAL BARRIER TO PROGRESS IN THE FIELD? IF THE AIMS OF THE PROJECT ARE ACHIEVED, HOW WILL SCIENTIFIC KNOWLEDGE, TECHNICAL CAPABILITY, AND/OR CLINICAL PRACTICE BE IMPROVED? HOW WILL SUCCESSFUL COMPLETION OF THE AIMS CHANGE THE CONCEPTS, METHODS, TECHNOLOGIES, TREATMENTS, SERVICES, OR PREVENTATIVE INTERVENTIONS THAT DRIVE THIS FIELD?

Innovation

INSTRUCTIONS: EXPLAIN HOW THE APPLICATION CHALLENGES AND SEEKS TO SHIFT CURRENT RESEARCH OR CLINICAL PRACTICE PARADIGMS. DESCRIBE ANY NOVEL THEORETICAL CONCEPTS, APPROACHES OR METHODOLOGIES, INSTRUMENTATION OR INTERVENTION(S) TO BE DEVELOPED OR USED, AND ANY ADVANTAGE OVER EXISTING METHODOLOGIES, INSTRUMENTATION OR INTERVENTION(S). EXPLAIN ANY REFINEMENTS, IMPROVEMENTS, OR NEW APPLICATIONS OF THEORETICAL CONCEPTS, APPROACHES OR METHODOLOGIES, INSTRUMENTATION OR INTERVENTIONS.

REVIEW CRITERIA: 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?

Approach

INSTRUCTIONS: DESCRIBE THE OVERALL STRATEGY, METHODOLOGY, AND ANALYSES TO BE USED TO ACCOMPLISH THE SPECIFIC AIMS OF THE PROJECT. UNLESS ADDRESSED SEPARATELY IN ITEM 5.5.15, INCLUDE HOW THE DATA WILL BE COLLECTED, ANALYZED, AND INTERPRETED AS WELL AS ANY RESOURCE SHARING PLANS AS APPROPRIATE. DISCUSS POTENTIAL PROBLEMS, ALTERNATIVE STRATEGIES, AND BENCHMARKS FOR SUCCESS ANTICIPATED TO ACHIEVE THE AIMS. IF THE PROJECT IS IN THE EARLY STAGES OF DEVELOPMENT, DESCRIBE ANY STRATEGY TO ESTABLISH FEASIBILITY, AND ADDRESS THE MANAGEMENT OF ANY HIGH RISK ASPECTS OF THE PROPOSED WORK.

FOR NEW APPLICATIONS, INCLUDE INFORMATION ON PRELIMINARY STUDIES AS PART OF THE APPROACH SECTION. DISCUSS THE PD/PI'S PRELIMINARY STUDIES, DATA, AND/OR EXPERIENCE PERTINENT TO THIS APPLICATION. EXCEPT FOR EXPLORATORY/DEVELOPMENT GRANTS (R21/R33), SMALL RESEARCH GRANTS (R03), ACADEMIC RESEARCH ENHANCEMENT AWARD (AREA) GRANTS (R15), AND PHASE I SMALL BUSINESS RESEARCH GRANTS (R41/R43), PRELIMINARY DATA CAN BE AN ESSENTIAL PART OF A RESEARCH GRANT APPLICATION AND HELP TO ESTABLISH THE LIKELIHOOD OF SUCCESS OF THE PROPOSED PROJECT.

REVIEW CRITERIA: ARE THE OVERALL STRATEGY, METHODOLOGY, AND ANALYSES WELL-REASONED AND APPROPRIATE TO ACCOMPLISH THE SPECIFIC AIMS OF THE PROJECT? 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?

Aim 1:

Motivation
Methodology
Benchmarks for success
Alternative strategies
Aim 2:

Motivation

Methodology

Benchmarks for success

Alternative strategies

Aim 3:

Motivation

Methodology

Benchmarks for success

Alternative strategies

Provide a bibliography of any references cited in the Research Plan. Each reference must include names of all authors (in the same sequence in which they appear in the publication), the article and journal title, book title, volume number, page numbers, and year of publication. Include only bibliographic citations. Follow scholarly practices in providing citations for source materials relied upon in preparing any section of the application. The references should be limited to relevant and current literature. While there is not a page limitation, it is important to be concise and to select only those literature references pertinent to the proposed research.

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 (e.g., NIHMS97531) or the PubMed Central (PMC) reference number (e.g., PMCID234567) for each article. If the PMCID is not yet available because the Journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal - In Process." Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PMCID numbers along with the full reference (note that copies of these publications are not accepted as appendix material, see Section 5.7).

Resource sharing plan

INVESTIGATORS SEEKING $500,000 OR MORE IN DIRECT COSTS (EXCLUSIVE OF CONSORTIUM F&A) IN ANY BUDGET PERIOD ARE EXPECTED TO INCLUDE A BRIEF 1-PARAGRAPH DESCRIPTION OF HOW FINAL RESEARCH DATA WILL BE SHARED, OR EXPLAIN WHY DATA-SHARING IS NOT POSSIBLE (FOR EXAMPLE HUMAN SUBJECT CONCERNS, THE SMALL BUSINESS INNOVATION DEVELOPMENT ACT PROVISIONS, ETC.). SPECIFIC FOAS MAY REQUIRE THAT ALL APPLICATIONS INCLUDE THIS INFORMATION REGARDLESS OF THE DOLLAR LEVEL. APPLICANTS ARE ENCOURAGED TO READ THE FOA CAREFULLY AND DISCUSS THEIR DATA-SHARING PLAN WITH THEIR PROGRAM CONTACT AT THE TIME THEY NEGOTIATE AN AGREEMENT WITH THE INSTITUTE/CENTER (IC) STAFF TO ACCEPT ASSIGNMENT OF THEIR APPLICATION.

Data sharing plan

Software dissemination plan

A SOFTWARE DISSEMINATION PLAN, WITH APPROPRIATE TIMELINES, MUST BE INCLUDED IN THE APPLICATION. THERE IS NO PRESCRIBED SINGLE LICENSE FOR SOFTWARE PRODUCED THROUGH GRANTS RESPONDING TO THIS ANNOUNCEMENT. HOWEVER, NIH DOES HAVE GOALS FOR SOFTWARE DISSEMINATION, AND REVIEWERS WILL BE INSTRUCTED TO EVALUATE THE DISSEMINATION PLAN RELATIVE TO THESE GOALS:

1. THE SOFTWARE SHOULD BE FREELY AVAILABLE TO BIOMEDICAL RESEARCHERS AND EDUCATORS IN THE NON-PROFIT SECTOR, SUCH AS INSTITUTIONS OF EDUCATION, RESEARCH INSTITUTIONS, AND GOVERNMENT LABORATORIES.

2. THE TERMS OF SOFTWARE AVAILABILITY SHOULD PERMIT THE DISSEMINATION AND COMMERCIALIZATION OF ENHANCED OR CUSTOMIZED VERSIONS OF THE SOFTWARE, OR INCORPORATION OF THE SOFTWARE OR PIECES OF IT INTO OTHER SOFTWARE PACKAGES.

3. TO PRESERVE UTILITY TO THE COMMUNITY, THE SOFTWARE SHOULD BE TRANSFERABLE SUCH THAT ANOTHER INDIVIDUAL OR TEAM CAN CONTINUE DEVELOPMENT IN THE EVENT THAT THE ORIGINAL INVESTIGATORS ARE UNWILLING OR UNABLE TO DO SO.

4. THE TERMS OF SOFTWARE AVAILABILITY SHOULD INCLUDE THE ABILITY OF RESEARCHERS TO MODIFY THE SOURCE CODE AND TO SHARE MODIFICATIONS WITH OTHER COLLEAGUES. AN APPLICANT SHOULD TAKE RESPONSIBILITY FOR CREATING THE ORIGINAL AND SUBSEQUENT "OFFICIAL" VERSIONS OF A PIECE OF SOFTWARE.

5. TO FURTHER ENHANCE THE POTENTIAL IMPACT OF THEIR SOFTWARE, APPLICANTS MAY CONSIDER PROPOSING A PLAN TO MANAGE AND DISSEMINATE THE IMPROVEMENTS OR CUSTOMIZATIONS OF THEIR TOOLS AND RESOURCES BY OTHERS. THIS PROPOSAL MAY INCLUDE A PLAN TO INCORPORATE THE ENHANCEMENTS INTO THE "OFFICIAL" CORE SOFTWARE, MAY INVOLVE THE CREATION OF AN INFRASTRUCTURE FOR PLUG-INS, OR MAY DESCRIBE SOME OTHER SOLUTION.

THE ADEQUACY OF THE SOFTWARE SHARING PLANS WILL BE CONSIDERED BY PROGRAM STAFF WHEN MAKING RECOMMENDATIONS ABOUT FUNDING APPLICATIONS. IN MAKING SUCH CONSIDERATIONS, PRIOR TO FUNDING, PROGRAM STAFF MAY NEGOTIATE MODIFICATIONS OF SOFTWARE SHARING PLANS WITH THE PRINCIPAL INVESTIGATOR BEFORE RECOMMENDING FUNDING OF AN APPLICATION. ANY SOFTWARE DISSEMINATION PLANS REPRESENT A COMMITMENT BY THE INSTITUTION (AND ITS SUBCONTRACTORS AS APPLICABLE) TO SUPPORT AND ABIDE BY THE PLAN. THE FINAL VERSION OF ANY ACCEPTED SOFTWARE SHARING PLANS WILL BECOME A CONDITION OF THE AWARD OF THE GRANT. THE EFFECTIVENESS OF SOFTWARE SHARING MAY BE EVALUATED AS PART OF THE ADMINISTRATIVE REVIEW OF EACH NON-COMPETING GRANT PROGRESS REPORT (PHS 2590).

Equipment

Budget justification

Personnel

Equipment

Travel

Other costs

Online storage and backup

Computing services

Benefit and Escalation Rates

- % for faculty

- % for professional staff

- % for postdoctoral associates

- % for graduate students

F & A Rate   The current F & A rate of XX.X% is a negotiated agreement between DHHS and the University of Washington in a letter dated XXX.

Tuition

Resources

Computer

Office

Other