STANFORD CHILD HEALTH RESEARCH INSTITUTE

Instructions for the following programs:

- Pilot Grants
- Clinician Educator
- Postdoctoral Support
- Clinical (MD) Trainee
Contents

1. General Instructions ........................................................................................................... 3
   1.1. Introduction ................................................................................................................... 3
   1.2. Format Specifications ................................................................................................... 3
   1.3. Resubmission Applications ........................................................................................... 4
   1.4. Post-Submission of Application Materials ..................................................................... 4
   1.5. Application Submission Date, Late Applications ........................................................... 5
   1.6. Submission, Review and Award Cycles ....................................................................... 6
   1.7. Resources for Finding Help .......................................................................................... 6

2. Submission of the Grant Application ................................................................................ 6
   2.1. Bindings and Packaging ............................................................................................... 6

3. Preparing the Research Proposal ...................................................................................... 7
   3.1. Face Page .................................................................................................................... 7
   3.2. Budget .......................................................................................................................... 7
   3.3. Introduction (Resubmission Applications Only) ............................................................. 7
   3.4. Research Plan .............................................................................................................. 7
      3.4.1. Specific Aims ................................................................................................... 7
      3.4.2. Relevance to Maternal and Child Health .......................................................... 7
      3.4.3. Background and Significance .......................................................................... 7
      3.4.4. Preliminary Studies (if available) ...................................................................... 8
      3.4.5. Research Design and Methods ........................................................................ 8
      3.3.6. Career Development ........................................................................................ 8
      3.3.7. Potential Pitfalls and Contingency Plans .......................................................... 8
      3.3.8. Future Steps .................................................................................................... 8
   3.5. Appendix ...................................................................................................................... 8
   3.6. Supporting Documents ................................................................................................. 8
      3.6.1 Applicant Information ...................................................................................... 8
      3.6.2 Primary Research Mentor (Supervisor) Information ........................................ 8
      3.6.3 Non-Primary Mentor Information ...................................................................... 8
      3.6.4 Co-Investigator Information ............................................................................. 8
      3.6.5 Mentoring Plan ................................................................................................. 8

4. The Peer Review Process ................................................................................................ 8
   4.1. Overview .................................................................................................................... 8
   4.2. Scoring ....................................................................................................................... 8
   4.3. Evaluation Criteria .................................................................................................... 8
1. General Instructions

1.1. Introduction

These instructions pertain to applications for the Stanford Child Health Research Institute (CHRI) Pilot Grant, Clinician Educator, Postdoctoral Support, Clinical (MD) Trainee programs. For detailed program policies, please refer to the CHRI website.

1.2. Format Specifications

Font and margin specifications must be followed; if not, application processing may be delayed or the application may not be reviewed. Page limits must be followed or the application may not be reviewed.

Font

- Use only Arial, a black font color, and a font size of 10 points or larger. A symbol font may be used to insert Greek letters or special characters; the font size requirement still applies.
- Type density, including characters and spaces, must be no more than 15 characters per inch.
- Type may be no more than six lines per inch.
- Use black ink that can be clearly copied.
- Print must be clear and legible.

Page Margins

- Use at least one-half (0.5) inch margins (top, bottom, left, and right) for all pages. No information should appear in the margins, except for the PI’s last name and page numbers.

Page Formatting

- Use only a standard, single-column format for the text.
- Put applicant’s last name in the footer on every page (except the face page)
- Consecutively number pages throughout the application. Do not use suffixes (e.g., 5a, 5b).
- Do not include unnumbered pages. Number all pages.

Figures, Graphs, Diagrams, Charts, Tables, Figure Legends, and Footnotes

- A smaller type size here is acceptable, but it must be in black ink, readily legible, and follow the font typeface requirement.

Grantsmanship

- Use English and avoid jargon.
- If terms are not universally known, spell out the term the first time it is used and note the appropriate abbreviation in parentheses. The abbreviation may be used thereafter.

Photographs and Images

- Do not include photographs or other materials that are not printed directly on an application page in the body of the application.
Instructions

- You may include black-and-white or color images in the application provided such images are printed directly on the application page and are critical to the content of the application.

Page Limits
Observe the page number limits provided in the table below.

<table>
<thead>
<tr>
<th>SECTION OF APPLICATION</th>
<th>PAGE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Face Page</td>
<td>1 page</td>
</tr>
<tr>
<td>Budget Worksheet</td>
<td>1 page</td>
</tr>
<tr>
<td>Introduction (Resubmissions only)</td>
<td>2 pages</td>
</tr>
<tr>
<td>Research Plan</td>
<td>3 pages</td>
</tr>
<tr>
<td>Appendix ** (figures and references)</td>
<td>3 pages</td>
</tr>
<tr>
<td>NIH Biographical Sketch (per person)</td>
<td>5 pages</td>
</tr>
<tr>
<td>Personal Statement (for Clinical Trainee (MD) Support Only)</td>
<td>2 pages</td>
</tr>
</tbody>
</table>

** Applicants are prohibited from using the appendix to circumvent page limits in any section of the application for which a page limit applies.

1.3. Resubmission Applications

Opportunity for Resubmission during Current Award Cycle
There are 3 requirements for a Resubmission application:

- The Applicant must make significant changes to the application;
- An Introduction (max 2 pages) must be included that summarizes the substantial additions, deletions and changes to the application. The Introduction must also include a response to the issues and criticism raised in the Reviewer Comments. Use the Introduction to Application of the Research Plan to provide this information. All format requirements apply.
- The substantial scientific changes must be marked in the text of the application by bracketing, indenting, or changing typography. If the changes are so extensive that essentially all of the text would be marked, explain this in the Introduction. The Research Plan should incorporate work completed since the prior version of the application was submitted.

Applicants are encouraged to meet with a CHRI reviewer to discuss revisions and suggestions for improvement prior to resubmission. Contact CHRI Administration (chri_admin@stanford.edu) to request a resubmission consultation with a reviewer.

1.4. Post-Submission of Application Materials

Grant application materials will only be accepted after submission of the application but before the initial peer review if they result from unforeseen administrative issues (e.g., see below).

The original application is kept intact; any application material sent post-submission is sent separately to reviewers. Updated or supplemental grant application materials used in the peer review process will be retained as part of the official grant file and remain part of the permanent record for that application.

Acceptable post-submission materials include:

- Revised budget (e.g., change in total budget request due to new funding)
Instructions

- Biographical sketches (e.g., change in senior/key personnel due to the loss of an investigator)
- Letters of support or collaboration resulting from a change in senior/key personnel due to the loss of an investigator
- Adjustments resulting from natural disasters (e.g., loss of an animal colony)
- News of an article accepted for publication

Unacceptable post-submission materials include:

- Updated Specific Aims or Research Plan pages
- Late-breaking research findings
- Supplemental pages - information not contained in the existing application
- New letters of support or collaboration that do not result from a change in senior/key personnel due to the loss of an investigator

Page limits for post-submission materials:

- All post-submission materials must conform to the Application Instructions on font size, margins, and paper size
- Additional pages such as budget, biographical sketches, and other required forms must follow CHRI page limit requirements

The deadline for receipt of additional materials is one month (30 calendar days) prior to the peer review meeting. Contact CHRI Administration if you may submit post-submission materials. After the initial peer review phase is completed, additional materials will not be accepted. However, if additional information is requested by after a peer review of a grant application has been completed and prior to funding, the applicant will be notified by email.

1.5. Application Submission, Late Applications

The electronic (PDF) application must be received by CHRI Administration via the ONLINE APPLICATION PORTAL, no later than 5pm on the submission deadline specified in the RFA. In addition to including the Budget worksheet in the electronic (PDF) application it must also be submitted as a separate Excel document.

Late applications. Permission is not granted in advance for submission of a late application. Late applications are not accepted.

Application Assignment Information

Competing grant applications submitted to CHRI will be processed through CHRI Administration. The application will be assigned to an appropriate CHRI Scientific Review Panel. Assignment is based on the scientific content of the application and conflicts of interest considerations.

Applicants must not communicate directly with any CHRI Scientific Review Panel member about an application either before or after the review. Failure to strictly observe this policy will create serious breaches of confidentiality in the peer review process. From the time of assignment to the time the review of the application is complete, applicant investigators must direct all questions to CHRI Administration.
1.7. Resources for Finding Help
If after reviewing these application instructions, help is needed in preparing the application, contact CHRI Administration at chri_admin@stanford.edu or calling 650-724-6891.

2. Submission of the Grant Application
Submit a complete application. The application must be complete and accurate at the time of submission. Applications may not be reviewed if they are incomplete, illegible, fail to follow instructions, or present insufficient material to permit an adequate review.

2.1. Bindings and Packaging
Submit Budget in Excel format in a separate document. Submit the following materials into one PDF document. Collate application materials in this order:

- Face Page (maximum 1 page)
- Budget
- Introduction (Resubmissions Only; maximum 2 pages)
- Research Plan (maximum 3 pages)
  - Specific Aims
  - Relevance to Child Health
  - Background and Significance
  - Preliminary Studies (if available)
  - Research Design and Methods
  - Career Development
  - Potential Pitfalls and Contingency Plans
  - Future Steps
- Appendix (Figures and References; maximum 3 pages)
- Supporting Documents
  - Applicant Information
    - Updated Biosketch
    - Personal Statement (Trainee only)
    - Evidence of Acceptance into Fellowship Training Program (if applicable)
    - Division Chief or Department Chair Nomination Letter (if applicable)
    - Evaluation by 3 Referees (excluding mentors and co-investigators) (Trainee only)
    - Documentation of External Funding Application
  - Supervisor/Primary Research Mentor Information
    - NIH Biosketch and Other Support Page
  - Non-Primary Mentor Information
    - Letter of Support per non-primary mentor
    - NIH Biosketch (maximum 5 pages per person)
  - Co-Investigator Information
3. Preparing the Research Proposal

3.1. Face Page

Please complete the application form as formatted.

3.2. Budget

Use Budget Worksheet and include appropriate expenditures as directed in individual program policy. If other sources of funding exist, briefly describe.

3.3. Introduction (Resubmission Applications Only)

Proposals that were not funded in the 1st round are allowed to be revised and resubmitted again in a 2nd round in same grant cycle.

Include an Introduction only if this is a Resubmission Application. Summarize the substantial additions, deletions and changes to the application. The Introduction must also include a response to the issues and criticism raised in the Reviewer Comments. The Introduction may not exceed two (2) pages. All format requirements apply. See 1.3 “Resubmission Applications” for detailed instructions for current cycle round or future award cycles.

3.4. Research Plan

Do not exceed 3 pages.

3.4.1. Specific Aims

List the broad, long-term objectives and the goal of the specific 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.

3.4.2. Relevance to Maternal and Child Health

Using no more than two or three sentences, describe the relevance of this research to maternal and child health. In this section, be succinct and use plain language that can be understood by a general, lay audience. The CHRI defines “child health” as referring to the expectant mother, oocyte, zygote, embryo, fetus, infant, child, and adolescent (under the age of 21 years of age).

3.4.3. Background and Significance

Briefly sketch the background leading to the present application, critically evaluate existing knowledge, and specifically identify the gaps that the project is intended to fill. State concisely the importance and health relevance of the research described in this application by relating the specific aims to the broad, long-term objectives. If the aims of the application are achieved, state how scientific knowledge or clinical practice will be advanced. Describe the effect of these studies on the concepts, methods, technologies, treatments, services or preventative interventions that drive this field.
3.4.4. Preliminary Studies (if available)
Use this section to provide an account of the principal investigator/mentor's preliminary studies pertinent to this application, including his/her preliminary experience with and outreach to the proposed racial/ethnic group members.

3.4.5. Research Design and Methods
Describe the research design conceptual or clinical framework, procedures, and analyses to be used to accomplish the specific aims of the project. Include how the data will be collected, statistically analyzed, and interpreted. Describe any novel concepts, approaches, tools, or technologies for the proposed studies. A tentative sequence or timetable for the project may be included here. For Clinical studies, include inclusion/exclusion criteria and sample size determination. A pre-award biostatistical consultation is required for all human-based studies. Describe a data and safety monitoring plan if a data safety monitoring board is involved.

3.3.6. Career Development
Using no more than two or three sentences, describe how this funding will contribute to applicant’s career goals.

3.3.7. Potential Pitfalls and Contingency Plans
Please describe the potential pitfalls and limitations for your project and discuss alternative approaches to achieve the project aims.

3.3.8. Future Steps
Define follow-up work, long-term sustainability, and how this project will lead to new opportunities for research funding.

3.5. Appendix
Do not exceed 3 pages. Include figures and references in the Appendix section.

3.6. Supporting Documents
Please include as directed in 2.1 Bindings and Packaging