



Request for Applications

**IU GRANT LINKING UNIVERSITYWIDE
EXPERTISE (GLUE) AWARDS**

**A JOINT INITIATIVE
BETWEEN**

**IU RESEARCH
INDIANA UNIVERSITY, BLOOMINGTON**

AND THE

**INDIANA CLINICAL AND TRANSLATIONAL SCIENCES INSTITUTE
(ICTSI)**

ELECTRONIC RECEIPT DATE: December 12, 2022

*Please note that you will be submitting through the Indiana CTSI's grants management software
WebCAMP.*

The WebCAMP user's guide is available under the funding announcement here:
<https://indianactsi.org/researchers/services-tools/translational-research-development/open-funding-opportunities/>

INFORMATION FOR APPLICANTS

GENERAL INFORMATION

The mission of the Grants Linking University-wide Expertise (GLUE) awards through the Indiana Clinical and Translational Science Institute (CTSI) is to support “the planning and team building across campuses to develop of large multi-investigator and/or multi-project, milestone-driven, Translational Research teams who are planning to eventually submit a multi-year extramural grant applications with annual budgets of \$300K or higher in direct costs per year”. Examples of such grants include (but are not limited to) PPGs, U series, multi PI R01s, STTRs and SPORÉ grants. The projects are expected to typically bring together two or more distinct scientific expert teams who will develop appropriate administrative and technical ‘core’ supports. Applications for GLUE grants are accepted for review at any stage of their development. It is expected that these planning/seed grants will increase multidisciplinary collaborations, institutional competitiveness, opportunities for extramurally funded training grants and overall institutional funding. The GLUE funding is available to collaborative teams where the lead PI of the research team is from IUB, and the other members of the team are from CTSI affiliate campuses.

RATIONALE

While there are a number of outstanding funded multi-PI projects at both IUB and IUPUI campuses, there are a significantly lower proportion of investigators who are funded through collaborative multi-campus, multi-PI, and ‘Program Project Grant’ (PPG) types of mechanisms. Increasing such cross-campus research teams, number of program project grants and similar multi-PI funding opportunities is critical for a number of reasons for both the IU and the Indiana CTSI. Such grants will:

- Increase collaboration among diverse research expertise
- Increase translation projects spanning from bench to bedside as well as clinical to population based studies
- Increase opportunities for extramurally funded training positions and grants
- Increase competitiveness for funding in novel areas such as comparative effectiveness research (CER), epigenetics, personalized health/medicine etc.
- Increase the overall institutional funding of our partner campuses

Therefore, the Indiana CTSI, with support from the IUB Provost’s office, has developed a targeted intervention to facilitate the creation of such larger funding applications using the GLUE award mechanism.

Applications are expected to have a maximum requested amount **\$100,000 per year for up to two (2) years**.

WHO MAY APPLY (ALSO SEE RESTRICTIONS SECTION BELOW)

Only full-time tenure-track faculty members at or above the Assistant Professor level at IUB are eligible as lead principal investigators (PIs), although the team may include full-time non-tenure-track faculty members.

The team must include at least one full-time faculty member from another Indiana CTSI partner institution who is eligible to submit applications to NIH, NSF and other federal agencies for funding.

RESTRICTIONS

1. Facilities and Administrative costs, or indirect costs, will not be allowed.
2. Requested grant funding period cannot exceed **24 months**.
3. Salary support for PI or collaborators may not be requested.
4. Travel beyond what is necessary for the performance of the project will require a detailed justification.
5. Supplies and other costs must relate directly to performance of the project.
6. All costs should be specifically justified within a 1.5 page limit in the application.

APPLICATION SUBMISSION

Full Application Submission due date is December 12, 2022

Submissions are via the ‘[Start a submission](#)’ link found [CTSI GLUE Link](#)

APPLICATION SEQUENCE

Make every effort to write your research proposals toward a general scientific audience; avoid field-specific jargon and undefined abbreviations. The proposal will be reviewed by a panel of investigators who have experience in designing successful, high quality research projects, but may not have your specific expertise.

- 1. Face page.** Specify the title of the proposal, principal investigators and affiliation, collaborator(s) and affiliation, where work will be performed, and the total budget. Department / School support must be indicated by completion of all signatures on the face page(s) for each investigator involved. As submission will be electronic only, facsimile or electronic signatures are appropriate.
- 2. Abstract & Keywords**
 - The abstract should be a brief (300 word maximum) abstract in layman’s terms. If an award is made, this will be published on the CTSI website.
 - Provide 5 keywords that describe the research content of your project
- 3. Budget Page.** List all direct costs. This page may be duplicated and a separate budget page included for each performance site / collaborating institution.
 - Projects should have a **start date no earlier than June 1, 2023**
 - Proposals must reflect a sharing of budget and effort between the collaborating institutions.
 - No funds will be allocated for PI or co-investigator / collaborator salaries.
 - Supplies and other costs must relate directly to performance of the project.
 - Travel beyond that which is necessary between the institutions / campuses will require justification.
 - No indirect costs may be requested.
 - All costs should be specifically justified and expenditures for **each participating partner/institution** clearly denoted. Limit the budget justification to 1.5 pages.
- 4. Research Plan** should have at least 0.5 inch margins and is not to exceed 5 single-spaced pages, excluding references. Font must be clear and readily legible and reasonable size, at least 11 point.

The Research Plan narrative should be structured in accordance with the following format:

- A. Objectives of the current proposal:** State the overall objective or goal of the proposed research. Describe the collaborative research program that exists or that will develop from the collaboration and the nature of the complimentary expertise that will promote synergism.
- B. Translational potential for the project:** Describe the project's potential impact on human health and/or how may it be translated to impact human health concerns in the future.
- If the project is basic biomedical or behavioral research describe how will increase the understanding of disease mechanisms, drug/device / technology developments and toxicology studies, or how it will translate discoveries into new clinical tools, assistive devices, behavioral therapies, interventions or medications.
 - If the project is a clinical or implementation study describe how it will increase the understanding of disease mechanisms, drug/device/technology developments and toxicology studies and / or advance the testing and refinement of new technologies in people; the testing of interventions for safety and effectiveness in those with or without disease; or result in behavioral and observational studies that impact health services research.
 - If the project focuses on population health, describe how it will assist in determining the effects of diseases and efforts to prevent, diagnose and treat them.
- C. Specific Aims and methods of the current proposal:** Communicate the scientific significance and innovation of the proposed collaboration.
- Describe the specific aims of the proposal, the methods of procedure, how the complementary expertise contributes to those aims, and the rationale behind the chosen approach to the problem. Include a discussion of pitfalls that might be encountered and the limitations of the procedures proposed.
 - Indicate the reason for the selection of a particular model system, if not using human or conventional animal model (or explain why this is not applicable).
- D. Description of Joint Research Program:** Briefly review the current status of research in the field and the PI / co-PI contributions to that field. Document with references. Describe any preliminary work the investigators have performed, alone or in a collaboration, which led to this proposal. Explain how synergism will be achieved.
- E. Significance:** What is the potential importance of the proposed collaboration? What is its potential impact on human health and/or how may it be translated to impact human health concerns in the future? Discuss any novel ideas or contributions that the collaboration offers. Make clear the potential importance of the proposed collaboration for further investigation and future research on the different campuses.
- F. Dissemination:** Describe the dissemination plan for any findings. This should also be included in the timeline (H).
- G. Use of Funds for Future Extramural funding:** Describe how the collaboration will lead to an extramurally funded research application / program. For extramural funding, specifically describe the agency, the program and time frame that you plan to submit an extramural proposal. Discuss how this funding will help to expedite the

process. Plans should be included in the timeline (H).

H. Project timeline: The following (or similar) table should be completed and inserted at the end of the research plan.

Task	Month	1-3	4-6	7-9	10-12	24	36	48
Task 1 – enter description and mark appropriate period(s)								
Task 2 – enter description and mark appropriate period(s)								
Task 3 - enter description and mark appropriate period(s)								
Task 4 - enter description and mark appropriate period(s)								
Task 5 - enter description and mark appropriate period(s)								
Task x – complete requisite progress reports			X		X	X	X	X

- 5. Biographical sketches.** Include an NIH biosketch for principal investigators and each co-investigator (5-page maximum per biosketch). The biosketches should be provided in the new NIH format available at <http://grants1.nih.gov/grants/funding/phs398/phs398.html>.
- 6. Other Support.** Include this information for the principal investigator and each co-investigator / collaborator, including detail on any overlap that this proposal has with active or pending awards. This information must be provided in NIH format.
- 7. Prior Submissions** For applicants who have previously been awarded a GLUE award you **MUST** address either the overlap or the lack of overlap to this current project as well as providing a summary of the previously funded project’s progress to date. Discuss whether this is a new direction for your science or whether this is an extension of your previous work and how it builds on prior awards.
- 8. Resubmissions** If this is a resubmission of a GLUE proposal, the applicant **MUST** include a detailed introduction showing what changes have been made to address the previous comments. This should not exceed one page. Prior review comments included in the appendices.
- 9. Appendices.** Attach any relevant regulatory documents already in place and/or letters of support / collaboration. If this is a resubmission include a one page response to the reviewers’ comments from the original submission and include the review documents.

PEER REVIEW AND AWARD SELECTION

Applications are considered one time per year. Requests for funds will be critiqued on the following three items:

- The strength of the research.
- The strength of the collaboration.
- The strength of a defined plan for future extramural support

Applications will be subject to a 2-stage selection process.

Stage 1: The initial review will be completed by a joint committee with peer representatives on **January 31, 2023**

Stage 2: Finalists will be invited to give an oral presentation to Review Committee on **February 15, 2023 from 1p – 5p EST.**

(NOTE: ALL APPLICANTS NEED TO HOLD THIS DATE)

The Review Committee will evaluate the scientific merit of the proposal and the strength and potential of the proposed collaboration. They will also review and discuss the milestones and timelines of the project with the investigators. The results / comments will be collated and recommendations forwarded to the Indiana CTSI Strategy Committee for final funding decisions.

Available funding from sponsoring affiliates will allow for approximately 1-2 awards annually.

CONTACT INFORMATION

For questions regarding scope or review of the proposal, please contact:

IUB: Joel Ybe (jybe@indiana.edu)
ICTSI: Julie Drisco (judrisco@iu.edu)

For financial issues related to budgeting and grant submissions, please contact:

IU: Indiana CTSI Office (judrisco@iu.edu / 317-278-2822)

GLUE POST AWARD REQUIREMENTS

1. All awards will be monitored for progress by the Indiana CTSI as required by the CTSA Annual Progress Report. Progress monitoring generally includes the following from all project PIs:
 - a. Annual progress reports due in December that report status of milestone progress along with documentations of external grant submissions/awards, IP, publications, and/or presentations arising from the supported research. Project support and budget management discussions will occur if applicable.
 - b. Annual follow-up reports upon request for up to 5 years after the project ends, including but not limited to the following data:
 - i. External grant submissions and awards arising from the supported research
 - ii. Intellectual property arising from the supported research
 - iii. Publications arising from the supported research
 - iv. Additional impacts of the award on your research and the collaboration
2. It is expected that this pilot funding will lead to co-authored publications and external funding submissions, generally reported on the annual progress reports.
3. Grant recipients are required to acknowledge receipt of Indiana CTSI support in any presentation or publication of work funded by a GLUE award as follows:

This [(publication was made possible) (project was supported)] by the Indiana Clinical and Translational Sciences Institute, funded in part by grant # UL1 TR002529 from the National Institutes of Health, National Center for Advancing Translational Sciences, Clinical and Translational Sciences Award. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health."

4. Grant recipients are strongly encouraged to participate as reviewers for all Indiana CTSI internal grants in the future.