STARK NEUROSCIENCES RESEARCH INSTITUTE

INDIANA UNIVERSITY
School of Medicine

Pre-Clinical Neuroimaging Pilot Grant

AN INITIATIVE FUNDED BY
Roberts Neuroscience Imaging Fund

DEADLINES: April 1, 2024

UPLOAD via the <u>Start a Submission</u> link here: <u>CTSI Neuroimaging Link</u>

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://www.indianactsi.org/researchers/funding/open-funding-opportunities/

For RFA questions, contact Yu-Chien Wu yucwu@iu.edu, Scientific Director for the Roberts Translational Imaging Facility

Contact **Julie Driscol** judrisco@iu.edu / 317-278-2822 for WebCAMP questions.

INFORMATION FOR APPLICANTS

GENERAL

The goal of the Pre-Clinical Neuroimaging Research Pilot Study program is to facilitate the generation of new knowledge in the neurosciences through the development of funded research programs. This mechanism will provide seed-support up to $10,000 for neuroimaging technology development and high-risk small animal projects using the Bruker BioSpec 9.4T PET-MRI scanner in the IIBIS In-Vivo Imaging Core.

This funding opportunity announcement invites applications from all CTSI investigators with a full-time faculty appointment, including regardless of tenure status, at Indiana University School of Medicine (IUSM, regardless of campus), Indiana University-Purdue University Indianapolis (IUPUI), Indiana University (IU, regardless of campus), Purdue University, or University of Notre Dame. Work supported by these funds is expected to lead to submissions of major extramural grants (NIH R01/equivalent, major foundation awards, DOD, etc.). It is strongly recommended to discuss the feasibility of the intended imaging techniques with the Core Director.

ELIGIBILITY

Applicants (the contact PI) belong to the following three categories are eligible to apply.

- Category 1: New investigators without current or past NIH research support as PD/PI. New investigators, as defined by the NIH, should not have previously competed successfully for a substantial (e.g., R01) NIH-supported independent research award (see http://grants.nih.gov/grants/new_investigators/#definition).
- Category 2: Established investigators who do not belong to Category 1 and do not have neuroimaging experience but wish to apply neuroimaging to enhance their current research.
- Category 3: Established neuroimaging investigators who do not belong to Category 1 & 2 and propose testing innovative ideas that represent clear departure from ongoing research interests.

Applicants (the contact PI) should provide a brief justification of their category.

All eligible investigators must have faculty appointments and be independent investigators who have the education, skills, knowledge, and resources necessary to carry out the proposed research. National and international collaborations are allowed. Faculty in visiting rank and postdoctoral fellows or their equivalent are not eligible. Applicants with limited neuroimaging experience are encouraged to consult the core personnel on the feasibility of their imaging protocols and budget plans.

RESTRICTIONS/ALLOWABLE EXPENSES
1. All budgets must have a start date of July 1, 2024.
2. Costs may not exceed $10,000.
3. Budget requests may not include indirect costs, F&A, PI salary, student stipends, travel expenses, membership fees, or publication charges.
4. Priority should be given to image acquisition, image processing, and data analysis related expenses.

APPLICATION & SUBMISSION PROCESS

Application
The deadline for receipt of the application is April 1, 2024

The 2024 Grant Application Form containing detailed instructions and all the required parts can be downloaded from the **Start a Submission** link: CTSI Neuroimaging Link

Application narratives should follow the sequence provided in the application form and be single spaced in at least 11 point Arial, Helvetica, Palatino Linotype or Georgia typeface, using 0.5 inch margins.

Applications should follow the sequence outlined on the application form:
1. Research Plan: up to 2 pages including specific aims, significance, innovation, and approach.
   - Resubmissions are permitted an additional ½ page to indicate how they have responded to reviewers' comments.
2. References (not included in the research plan page limit
3. Key Personnel page
4. NIH Biosketch for all PIs
5. Budget and justification
   - Supplies and costs must relate directly to the performance of the project.
   - Travel and faculty salaries are not allowed.
   - Student stipends are not allowed.
   - Core costs should be budgeted at the internal rate.
6. Previous reviewers' comments if this is a resubmission
7. Letters of Support from collaborators
8. Letter of Support and Approval from Core Director

Submission

1. Applications will be considered one time per year.
2. Submit the proposal via uploading to the CTSI Grants Management mechanism using the **Start a Submission** link: CTSI Neuroimaging Link

POST AWARD REQUIREMENTS
1. Awards <u>cannot</u> be given without proof of any applicable regulatory documentation. It is, therefore, important that applicants be ready to submit any necessary IACUC documents at the time of award notification.
2. Any publications and/or grant submissions should acknowledge this award supported by the Roberts Neuroscience Imaging Research Fund, Stark Neurosciences Research Institute and the IIBIS In-Vivo Imaging Core being used.
3. Completion of an annual progress report while the project is still active and annually for five years following the completion of funding to collect outcomes and impact. (Please note: If a one year no cost extension is given, then the project will require an additional progress report.) Reports will be due in December and an online link will be sent via the Indiana CTSI staff.
4. Presentation of findings to the SNRI investigators at one or more SNRI sponsored events.
5. Notification to SNRI executive director in writing, if you leave your institution before the

project is complete and/or if the project is transferred to another PI.

6. Requested grant funding period cannot exceed 12 months. However, funded projects may be extended for up to one year with approval. Guidelines for submitting a request for a no cost extension may be found: https://www.indianactsi.org/researchers/funding/no-cost-extension/

REVIEW CRITERIA

The application will be reviewed and scored based on its scientific premise by internal and external technical reviewers, and the final selection will be determined by the award executive committee.

The research plan should address the following review criteria:
*i) **Quality*** – high standards of scholarship
*ii) **Impact*** – the results of the proposed project must show a strong potential for subsequent extramural funding (for example; NHGRI, NIA, NIAAA, NIBIB, NIDA, NIMH, NINDS, DOD, and/or the VA).
*iii) **Future plan*** - briefly specify plans for publication, applying extramural funding, and timeline