**Neuroscience Preclinical Imaging Laboratory (NPIL)  
Neuro-Imaging Pilot Grants**

**INFORMATION FOR APPLICANTS**

**DEADLINE:** March 31, 2023

**[UPLOAD your application](https://docs.google.com/forms/d/1H_y__ql44si4jE3ePOh8sWmDjdpmr5DZ06fSAw79o0M/viewform?edit_requested=true)**

**(requires Stanford email address)**

*For any questions please contact:*

*NPIL Director* ***Jieun Kim, PhD*** *at*[*jkim69@stanford.edu*](mailto:jkim69@stanford.edu)

AN INITIATIVE FUNDED BY

**Wu Tsai Neurosciences Institute**

**Community Laboratories**

**INFORMATION FOR APPLICANTS**

**PURPOSE**

The goal of the Neurosciences Preclinical Imaging Laboratory (NPIL) Pilot Study program is to facilitate neuroscience-related projects which require *in vivo* or *ex vivo* MR imaging within Stanford University (SU). This mechanism will provide seed funding up to $5,000 for animal or tissue imaging projects using the Bruker BioSpec 7T MRI scanner in NPIL.

The grant will increase utilization of the 7T MRI system in NPIL by providing funding for proof-of-concept experiments.

This funding opportunity announcement invites applications from all PIs in Stanford. Work supported by these funds is expected to lead to submissions of major extramural grants (NIH R01/equivalent, major foundation awards, DOD, etc.).

# ELIGIBILITY

Applicants belonging to the following three categories are eligible to apply.

* Category 1: Junior faculty 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 have neuroimaging experience but wish to apply neuroimaging to enhance their current research.
* Category 3: Established neuroimaging investigators who propose testing innovative ideas that represent clear departure from ongoing research interests.

Applicants 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. Applicants with limited neuroimaging experience are encouraged to consult the NPIL personnel on the feasibility of their imaging protocols and budget plans.

# RESTRICTIONS/ALLOWABLE EXPENSES

1. All budgets must be used within one year from the award date.
2. Costs may not exceed $5,000.
3. Budget should only be used on NPIL services which may be supported by facility staff, and may also include assistance in project design and data analysis/interpretation by the facility director.

# APPLICATION & SUBMISSION PROCESS

## Application

**The deadline for receipt of the application is March 31, 2023.**

The 2023 Grant Application Form containing detailed instructions and all the required parts can be downloaded from the [**NPIL website**](https://neuroscience.stanford.edu/research/neuroscience-community-labs/neuroscience-preclinical-imaging-lab/neuroimaging-pilot-grants). 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.

2. References (not included in the research plan page limit)

3. Key Personnel page

4. Budget and justification; Current rates for NPIL usage:

MRI Imaging (full support): $269/hour

MRI Imaging (no support, must be trained user): $186/hr

Director support (project planning, data analysis *etc.*): $83/hr

5. Current approved APLAAC form (if applicable)

**Submission**

# 1. Applications will be considered one time per year.

# 2. Submit the proposal [via the upload form](https://docs.google.com/forms/d/1H_y__ql44si4jE3ePOh8sWmDjdpmr5DZ06fSAw79o0M/viewform?edit_requested=true) on the NPIL website.

**POST AWARD REQUIREMENTS**

1. Appropriate approval for live animal imaging (APLAAC) should be obtained prior to commencing any research. Specimen scanning does not require APLAAC approval.
2. Any publications and/or grant submissions should acknowledge support by the Wu Tsai Neurosciences Institute.
3. Presentation of findings at future NPIL symposium.
4. Online update reports (should contain a brief summary of project progress and future plans) are due on **April 18, 2024 at 5:00 p.m.**; submitted at one-year post submission of the final progress report.
5. Requested grant funding period cannot exceed 12 months.
6. If preliminary data leads to further funding, successful applicants must notify NPIL.
7. If results are used in a publication, NPIL must be acknowledged.

**REVIEW CRITERIA**

The application will be reviewed and scored based on its scientific premise and the final selection will be determined by the award review 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.

***iii) Future plan*** - briefly specify plans for publication, applying extramural funding, and timeline

**Awardees will be announced in May 2023.**