

TIANQIAO & CHRISSEY CHEN INSTITUTE FOR NEUROSCIENCE

Director's Awards

Two \$50,000 awards, funds may be shared by collaborating laboratories.

RFP 1. Computational Approaches to Brain Function

We solicit proposals aimed at the development and application of new computational approaches to understanding brain function. These approaches could involve, for example, analysis of large-scale neural recording, imaging or single-cell RNAseq datasets; supervised or unsupervised classifiers to describe animal behavior; integration and analysis of high-dimensional datasets from different experimental modalities; testable, quantitative models or theories of brain function at any level of biological organization; or any other computational approach to understanding nervous system function, in any organism.

To foster new collaborations, proposal should be initiated by a lab that has not worked in neuroscience for the last three years, and the project must involve partnering with a lab doing neuroscience research at Caltech.

RFP 2. Development of new technologies for understanding the brain

We solicit proposals aimed at the development and application of potentially transformative new methods for characterizing any aspect of brain structure or function, including anatomical and connectomic methods; methods for molecular analysis of neuronal diversity; functional imaging or recording methods to measure neural activity; quantitative analysis of behavior; new instrumentation; or any other new methods that may further our understanding of nervous system function.

To foster new collaborations, proposal should be initiated by a lab that has not worked in neuroscience for the last three years, and the project must involve partnering with a lab doing neuroscience research at Caltech.

Proposal deadline: Monday, October 9, 2017 by 5pm. Please refer to the Proposal Guidelines for detailed proposal instructions.

Proposal Terms: Grants are for 1-year (with six-month extensions permitted upon request, with justification). Budget can include personnel (graduate RA, postdoc, SURF or other undergraduate), equipment, equipment usage (e.g. fMRI hourly fees) reasonable consumable supplies (e.g., reagents) and reasonable travel for dissemination of research findings. No faculty salary will be awarded. A progress report is required after one year.

Proposal Submission: Send proposal, budget, list of support, and a DAF as a combined pdf file to Chen.Inst@caltech.edu. In the body of your email, please identify the RFP to which you are applying. Overview of available RFPs and additional RFP-specific requirements can be found here: www.neuroscience.caltech.edu/grants. Please note that proposals submitted to RFPs from the Director and the Center for Systems Neuroscience require collaborations between a neuroscience and non-neuroscience/non-biology lab at Caltech, but can be initiated by either lab. **There is an IP obligation associated with these grants.** For more details about this obligation, please contact Case Cortese casecortese@caltech.edu in the Office of Technology Transfer and Corporate Partnerships.