



2019 RISING STAR RESEARCH AWARDS

One Mind, in collaboration with Janssen Research & Development, Otsuka Pharmaceuticals, Kaiser Permanente, the Gifford Foundation, and Bettina Bryant, is offering up to 5 Rising Star Research Awards in 2019. In collaboration with Inscopix, One Mind is also offering up to 3 supplemental technology grants, each in support of one Rising Star Research Award. The goal of the Rising Star Research Awards is to recognize and fund promising, early career investigators through a competitive grants process to accelerate research on major neuropsychiatric disorders.

General Award Characteristics and Eligibility

- The project period for the awards is 3 years.
- The total funding for each award is \$250,000, of which \$83,333 will be distributed annually. Continuation of the awards for the second and third years of the research are dependent upon review of an annual progress report by the Chair of the One Mind Scientific Advisory Board and the One Mind Director of Science and Technology.
- Indirect costs are limited to a maximum of 10% and will be taken from the direct costs.
- To qualify as an early career investigator, candidates should be within 10 years of their initial independent appointment.
- Candidates should have demonstrated productivity and innovation in a scientific field that can be applied to the study of neuropsychiatric disorders, such as attention-deficit hyperactivity disorder (ADHD), anxiety, addiction, bipolar disorder, depression, posttraumatic stress, schizophrenia, traumatic brain injury, digital therapies and other research relevant to brain health.
- Awardees will be invited to attend One Mind's 25th Music Festival for Brain Health activities on September 13 - 14, 2019 and may be asked to give a presentation about their award-winning research plans at the Music Festival's Scientific Symposium.
- The proposal should not overlap with existing funding.
- Applicants may apply for the One Mind/Inscopix Technology Grant only as a supplement to a Rising Star Award proposal. Applicants cannot solely apply to the Technology Grant.

Scope

Rising Star Research Awards:

Proposals for a Rising Star Research Award that are directed at understanding fundamental characteristics and biological mechanisms of brain function and dysfunction are within scope, as well as the translation of basic science mechanisms into better diagnostics and treatments for neuropsychiatric disorders. Note that proposals on schizophrenia and/or depression research are of particular interest. In addition, studies that use existing data and collaborations to accelerate discovery and knowledge are encouraged. Examples of relevant research include, but are not limited to studies that aim to:

- Discover biological mechanisms of neuropsychiatric and/or neurotraumatic disorder(s);
- Identify pharmacological and non-pharmacological therapeutic targets;
- Develop new models or refine existing models for studying neuropsychiatric and/or neurotraumatic disorders;

- Develop new tools or improve existing tools for studying brain health;
- Identify or advance biomarker development for neuropsychiatric disorder(s);
- Develop targeted therapies to prevent the onset or progression of neuropsychiatric disorders, mitigate their negative effects on brain function and behavior, or promote recovery;
- Characterize similarities and differences in biological mechanisms between two or more neuropsychiatric disorders, and/or characterize the effects of comorbid conditions on diagnosis, prognosis, and treatments;
- Externally validate promising biomarkers, diagnostic tools, and treatments;
- Compare the effects of treatments on whole or select patient populations; or
- Generate new hypotheses from existing clinical data and test them in relevant pre-clinical or computational models, or in small pilot clinical studies.

One Mind/Inscopix Technology Grant:

Applicants whose proposals can be enhanced by optical methods to investigate links between neural circuit/ensemble dynamics and disease phenotypes are within scope and are encouraged to apply for this supplemental grant from Inscopix. Proposals might include, but are not limited to:

- Signal analysis in health vs. disease, and/or how circuit/ensemble signatures change and evolve during disease progression and in therapeutic intervention paradigms.
- Studies that use established or new rodent models of neuropsychiatric disorders to extract key characteristics of the pathophysiology in a cell type- and/or circuit-specific manner.
- Investigations into the causal role of disease circuit/ensemble dynamics identified with nVoke/nVista and potentially in conjunction with other methods such as pharmacology, chemogenetics, electrophysiology and cell ablation.

Each Technology Grant includes:

- 1 state-of-the-art nVoke miniature microscope system from Inscopix for integrated *in vivo* Ca⁺² imaging and optogenetics (simultaneous or sequential) in the brains of freely behaving mice. Applicants can request an nVista system in lieu of nVoke should their proposal require only Ca⁺² imaging either in the mouse brain and/or in the rat neocortex and hippocampus.
- Full scientific support including a dedicated Field Scientific Consultant for the duration of the project to provide on-site training and guidance to the awardees, from experimental design to data analysis. The award will also provide an opportunity to engage with Inscopix's transdisciplinary team of neuroscientists, data scientists, and engineers.
- Full technical support including iCare (no questions asked repair and replacement service, for the duration of the award).

All questions about the supplemental One Mind/Inscopix Technology Grant, including technological feasibility, should be addressed to Dr. Pushkar Joshi, Director of Strategy at Inscopix: pushkar@inscopix.com.

Application Process:

A full application packet should be sent as an attachment via email to candace@onemind.org on or before May 15, 2019. The application packet must include:

- A letter nominating the applicant for the award from the Dean, Department Chair, or Head of their Scientific Program at a University or other Research Organization in which he or she is employed. Multiple nominations are permitted.
- An NIH style biosketch (5 pages maximum including all other support).
- A research proposal (two pages, Arial 11 pt. font, single-spaced) describing the aims and

significance of the project with an outline of the research plan. Applicants requesting the Inscopix Technology Grant must include a brief paragraph within the two-page proposal providing scientific justification for the supplement.

- A summary budget for year 1 of the proposal.
- A brief description about how data will be made available to the broader research community. If the research involves human subjects, informed consent documents should be written to request approval to share de-identified clinical data and biological samples in adherence with local Institutional Review Board (IRB) and other local ethical policies aimed at protecting patient privacy.
- A signed face sheet (see below).

Selection Process:

The One Mind Scientific Advisory Board, along with other scientific experts as needed, will review the applications to the Rising Star Research Awards for scientific merit and forward recommendations to the Chairman of the One Mind Board of Directors. If award-winning applications include a request for the supplemental Technology Grant, those proposals will also be reviewed for scientific merit and included in their recommendations. Applicants chosen for awards will be notified on or around July 1, 2019.

Other Conditions:

If too few suitable candidates are identified, award monies will be carried forward allowing for additional awards in subsequent years. Funds may be used over a period of up to three years with annual accounting of funds spent and an annual report of research results required.



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APPLICANT INFORMATION:

NAME/DEGREE: _____

ACADEMIC POSITION: _____

INSTITUTIONAL AFFILIATION: _____

MAILING ADDRESS
(w/Department):

BIRTHDATE: _____ EMAIL: _____

PHONE: _____ FAX: _____

PROJECT
TITLE:

APPLYING FOR (check all that apply):

- Rising Star Research Award
- Inscopix Technology Grant

AREAS OF RESEARCH (Check all that apply)

Predominant:

- Human
- Post-Mortem
- Animals
- Other _____

Disorder(s):

- Schizophrenia
- Bipolar
- Depression
- Post-traumatic stress

- Anxiety
- Addiction
- ADHD
- Trauma
- Digital Therapies
- Other _____

How did you hear about this award program? _____

SIGNATURE OF APPLICANT: _____ DATE (MM/DD/YEAR): _____

NOMINATING OFFICIAL INFORMATION:

NAME: _____ TITLE: _____

INSTITUTION: _____

SIGNATURE OF OFFICIAL: _____ DATE: (MM/DD/YEAR): _____

Please email a PDF copy of this completed and signed document along with your application to candace@onemind.org, or mail them to:

One Mind
P.O. Box 680
Rutherford, CA
94573 USA