RISING STAR RESEARCH AWARDS

One Mind, in collaboration with Janssen Research & Development and the Baszucki Brain Research Fund, is offering up to 2 Rising Star Research Awards in 2020. 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 neuropsychiatric disorders. One Mind, in collaboration with Inscopix, is also offering up to two supplemental technology grants, each in support of one Rising Star Research Award. We are also pleased to announce up to 10 Bipolar Research Awards thanks to additional support from the Baszucki Brain Research Fund.

General Award Characteristics and Eligibility

- The project period for the awards is 3 years.
- The total funding for each Rising Star Research Award is $300,000, of which $100,000 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 as an assistant professor for academic institutions or equivalent positions for industry or other non-academic positions. Note that postdoctoral fellows are ineligible.
- Candidates should have demonstrated productivity and innovation in a scientific field that can be applied to the study of neuropsychiatric disorders, such as anxiety, addiction, bipolar disorder, depression, posttraumatic stress, schizophrenia, traumatic brain injury, suicidality, and other serious psychiatric illnesses.
- Awardees will be invited to attend One Mind’s 26th Music Festival for Brain Health activities on September 11-12, 2020 and 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

One Mind Rising Star Research Awards:

Proposals for studies on any of a wide range of neuropsychiatric conditions are in scope (see face sheet for examples), with studies focusing on bipolar disorder of special interest, including applications that would advance therapeutics for bipolar disorder, ranging from biomarkers to promising therapeutic modalities including neurostimulation. Examples of relevant research on neuropsychiatric and/or neurotraumatic disorders include, but are not limited to studies that aim to:

- Discover biological mechanisms and therapeutic targets;
- Develop new or refine existing models and research tools;
- Identify or validate biomarkers;
- Evaluate the effectiveness of therapies, including pharmaceuticals, electroceuticals,
digital therapies or cognitive and behavioral health interventions to prevent the onset or promote recovery of neuropsychiatric disorders using pre-clinical or computational models or with pilot clinical studies;

- Characterize similarities and differences between two or more neuropsychiatric or neurotraumatic disorders to advance personalized medicine;
- Improve our understanding of how comorbid conditions, such as cancer and diabetes, as well as other neurological and non-neurological disorders, interact with neuropsychiatric disorders and impact diagnosis, prognosis and treatments;
- Promote or restore brain health by conducting bi-directional and/or iterative translational research using existing clinical data or new data from small pilot clinical studies, in combination with relevant pre-clinical or computational models; or
- Advance digital health, telehealth or other innovative approaches to increasing access to mental health care.

One Mind Bipolar Research Awards:

To advance knowledge and grow the community of researchers, up to 10 proposals on bipolar disorder will also be considered for a one-time award of $10,000. The funds can be applied toward travel to the One Mind Music Festival or to other scientific meetings, to pilot studies, or to any other costs relevant to advancing research on bipolar disorder. Awards will be given to highly meritorious, runner up applications to the Rising Star Awards that have direct relevance to bipolar disorder. No indirect costs are allowed.

One Mind/Inscopix Technology Supplemental 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 31, 2020. 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. The nominating letter should briefly describe 1) the merits of the applicant and 2) the resources and support that the home institution provides to the applicant.
- An NIH style biosketch (5 pages maximum including all other support).
- A research proposal (three pages, Arial 11 pt. font, single-spaced) describing the aims and significance of the project with an outline of the research plan. References must also be included within the 3-page limit. Applicants requesting the Inscopix Technology Grant must include a brief paragraph within the three-page proposal providing scientific justification for the supplement.
- A summary budget for year 1 of the proposal.
- Plans for data sharing should be included on a separate page, with 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 Institutional Review Board (IRB) policies aimed at protecting patient privacy. IRB approval is not required for submission of the application but will be required prior to the release of funds.
- 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. Highly meritorious runner-up applications for the Rising Star Research Awards of relevance to bipolar disorder will be recommended for One Mind Bipolar Research Awards to 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 31, 2020.

**Other Conditions:**

We are unable to share comments from the grant reviewers with the applicants because of the large number of applications. 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 pending One Mind approval of annual progress reports and accounting of funds spent.
2020 RISING STAR RESEARCH AWARDS

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)

Approach: Human Animals and/or In Vitro Computational Digital

Disorder(s): Schizophrenia Bipolar Depression Post-traumatic stress

☐ Anxiety
☐ Addiction
☐ ADHS
☐ Neurotrauma

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