

Stanford Bio-X Interdisciplinary Initiatives Seed Grants Program

Request for Letters of Intent for Interdisciplinary Initiatives (Round 11)



Background

The Stanford Bio-X program has, as one of its major goals, the enhancement of interdisciplinary interactions between and among all scientific communities at Stanford. Stanford Bio-X brings together researchers – in computer science and technology, engineering, the basic sciences in H&S, the earth sciences, and the pre-clinical and clinical sciences in the School of Medicine, in areas related to biosciences, biomedicine, and bioengineering – to bring interdisciplinary solutions and to create new knowledge of biological systems, in benefit of human health. (See: <http://biox.stanford.edu>)

The Stanford Bio-X Interdisciplinary Initiatives Seed Grants Program Committee, including faculty from the Schools of Engineering, H&S, and Medicine, is charged with reviewing and awarding interdisciplinary letters of intent from all Stanford Bio-X affiliated faculty from across campus. The committee seeks high-risk, high-reward collaborative proposals including basic research leading to fundamental discoveries, as well as innovative technologies, relating to human health.

Our first ten rounds of the Stanford Bio-X Interdisciplinary Initiatives Program (IIP) Seed Grants have funded 232 proposals. In the past, for each round we received over 100 Letters of Intent. At least half of the Letters of Intent are approved for submission of a full proposal. We have been able to fund 20+ proposals for each round. The types of proposals funded are interdisciplinary initiatives in new and innovative topics and areas of research benefiting human health that could best (or only) be performed by collaborations between faculty from different disciplines. We encourage faculty from different schools to work together on these initiatives, **particularly those who have not received grants in previous rounds.**

Solicitation for Stanford Bio-X Seed Grants Letters of Intent

We are announcing this request for Letters of Intent for Interdisciplinary Initiatives Seed Grants Program to all Stanford Faculty (tenured or tenure-line faculty [UTL/University Tenure Line], UML [University Medical Line]/MCL [Medical Center Line] faculty, and NTLR [Non-Tenure Line/Research] faculty are eligible to be PIs and co-PIs – please note that NTLR faculty are eligible only if at least one other PI on the LOI has a UTL or UML/MCL appointment). Faculty must be affiliated with Stanford Bio-X (all Stanford Faculty as listed above are eligible to become affiliated with Stanford Bio-X and should contact Cici Huber at chuber@stanford.edu and Heideh Fattaey at hfattaey@stanford.edu for details).

The LOIs will be evaluated as to their interdisciplinary nature, quality, likelihood of being successful, whether they address the scientific and programmatic goals of Stanford Bio-X in its broadest sense, their potential for obtaining future support for sustainability, and whether the proposal is a **new collaboration** between the faculty. LOIs must involve Principal Investigators in at least two different disciplines. It will be important to document how the collaborative effort will be stronger than the sum of two independent projects and how the project is related to human health. Stanford Bio-X will consider proposals in the range of up to \$100,000 a year for two years. Support could be for personnel (undergraduate, graduate, or post-doctoral students, research assistants, or associates), supplies, small equipment, or seminar and symposia needs. Faculty salaries on the grants are not allowed.

Letters of Intent require:

- 1) A completed cover page (available at https://biox.stanford.edu/grant/iip_round11), which includes:
 - A check box regarding confidentiality of your title and abstract – please make sure to make a selection before proceeding
 - Project title
 - Principal Investigator's information (PIs *must* be Stanford Bio-X affiliated faculty members)
 - Co-PIs' information (*all* co-PIs must have faculty status, and *all* must be Stanford Bio-X affiliated faculty members)
 - **A non-confidential lay abstract**
- 2) A one to two-page description of the project goals, the individuals and disciplines involved, and its potential impact on biology and **human health**. Please include:
 - Potential for obtaining future support for sustainability
 - If the study is a **new collaboration** between the faculty
 - A description of how the project is interdisciplinary
 - A brief (1-2 sentences is sufficient for the LOI) diversity statement indicating how the team of faculty would advance diversity initiatives over the course of the 2-year award
- 3) Submission Deadline: **Wednesday, March 9th, 2022 by 5:00 PM (PST).**

Please note: We will refer to your Stanford Profile (<https://profiles.stanford.edu/>) for your complete list of publications and C.V. Please make sure your administrators have updated your Stanford Profile.

The Stanford Bio-X Interdisciplinary Initiatives Seed Grants Program Committee will review the Letters of Intent. We will accept up to two Letters of Intent from one primary PI (if both LOIs from one primary PI are selected for full proposals, only ONE proposal from a given primary PI could receive funding). We are asking that all letters of intent be sent electronically as a Word or PDF document to Cici Huber at chuber@stanford.edu and Heideh Fattaey at hfattaey@stanford.edu, no later than **March 9, 2022 by 5:00PM**. Those groups whose proposals are deemed appropriate will be contacted before the end of May 2022 and will be asked to write a full proposal. Selected faculty teams will have until June 28th to write and submit a 5-page proposal and supplementary materials. Funding to selected proposals is anticipated to be available on October 1, 2022.

If you have any questions about the appropriateness of your proposal, or if you need any additional information, please contact **Dr. Heideh Fattaey** at hfattaey@stanford.edu.

The Interdisciplinary Initiatives Program Committee looks forward to these and future initiatives that stimulate our faculty to enhance their academic activities and advance biology in its broadest terms, by making use of the high quality and varied intellectual strengths of Stanford.