

Guidelines for the 2024 Illinois Proof-of-Concept Program (IPOC)

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1. Illinois Proof of Concept Program Overview

The Illinois Proof-of-Concept program (IPOC) supports the economic development goals of the University by facilitating transformation of University discoveries, technologies, and innovations into products and services that benefit society. IPOC is designed to bridge an existing funding “gap” between the government-supported innovations that result from University research and private sector translation of those innovations into commercial products. “Gap” funding is intended to facilitate the demonstration of an innovation’s proof-of-concept, working prototype, or scale-up development to make that innovation more attractive for private sector funding and partnering.

a. Impact

The Illinois Proof-of-Concept program along with prior OTM-managed programs dating back to 2009 has awarded more than \$2.02 million in funding, which has supported:

- 42 funded projects
- 16 start-up companies
- \$300 million+ in venture, angel and government funding

2. IPOC Program Outline

The Office of Technology Management is seeking proposals that represent the breadth and depth of campus research and that have the potential for positive societal impact across a variety of areas. Proposals should present a development plan that will move University-owned innovations closer to commercialization, public

use and/or licensing. The project should contain defined steps and a tangible set of milestones that would overcome a specific, identifiable hurdle to commercialization.

Successful projects move University-owned research innovations closer to commercialization, public use and/or licensing.

Intellectual property resulting from proof-of-concept funding is wholly owned by the University of Illinois.

a. Project Types

Projects solicited under this program may include, but are not limited to:

- Building a prototype
- Commercial feasibility testing
- In vivo testing using a relevant disease model
- Pre-clinical animal testing and medical device testing
- Creating a mobile application or software to disseminate information or educational materials
- Demonstrating mitigation of risk for potential licensees
- Addressing a specific gap identified by industry that impairs the ability to license or attract capital

b. Scope of Award

Projects will be awarded in amounts up to \$50,000 with funding distributed in tranches. The timing and amount of each tranche will correspond to the budget request submitted as part of the application. IPOC funding is contingent on the availability of funds in the budget.

c. Eligibility

The intent of IPOC is to fund translational R&D that takes place within the University (or possibly within a contracted facility such as a testing service). IPOC funds **may not** be used for work within a researcher's startup or work performed at another University. If you are unsure whether your proposed use of funds is within IPOC guidelines, please contact Nicole Nair at nnair@illinois.edu prior to submitting your proposal.

Proposals are encouraged from all fields of research and must meet both the investigator and project eligibility criteria outlined below:

i. Principle Investigator & Personnel Eligibility

- The PI must currently be a full-time academic researcher at Illinois, or an emeritus faculty member who maintains an active research group.
- The PI must have an invention report on file with the OTM upon which the proposed project will be based. Applications will not move forward if a disclosure is not on file with the OTM. The invention report **can** be made at the time of the application.
- Non-Illinois personnel and/or organizations should be identified within the application and their role within the project should be defined.
- Applicants may participate in multiple proposals per funding round (either as a PI or collaborator), however an applicant can only receive one award.

ii. Project Eligibility

- Project goals should preferably be achievable within 6-8 months of the start of funding and must be within the requested budget. Proposals that require more than 8 months are still encouraged to apply.
- The applicant must have a disclosure on file with the Office of Technology Management or [file a new invention, software or mobile app disclosure](#) simultaneously with submitting the application.
- The innovation which provides the basis for the proposal must not be encumbered by any other prior obligations that would preclude the University from moving forward with commercialization (i.e. exclusively licensed, or rights already committed under the terms of a sponsored research agreement or an ongoing collaboration with an industrial partner). Please note that technologies that have been optioned or non-exclusively licensed **may be** eligible for the program, depending on the circumstances. Please contact the OTM if you are unsure whether your innovation is eligible.
- The intellectual property surrounding the invention disclosure must be owned or co-owned by the University of Illinois. If co-owned with another academic institution, the University of Illinois must be the lead institution. Please contact the OTM if you are unsure about the ownership of your invention.
- The project must be focused on advancing the innovation towards licensing and/or use outside of the University. IPOC funding cannot be used for basic exploratory studies or as general funding for the PI's lab. Project proposals should address how achieving identified project goals will move the invention towards commercialization.

iii. Limitations and Exclusions

The following are NOT eligible for funding under this program:

- Proposals to fund pharmaceutical/drug clinical trials.
- Proposals to fund basic research or theoretical development.
- Projects with an investment partner, or research grant support or industry sponsorship that encumbers the rights.
- Renewals for projects funded in previous cycles.
- Funds cannot be directly distributed to a start-up company.

Other limitations:

- Proposals involving animal use must have their protocols either already approved by the IACUC or approved within 12 weeks of award notification. Funding will not be distributed prior to approval of all protocols. Failure to secure IACUC approval within that timeframe will lead to a review of the project's viability by OTM and may result in loss of funding.

3. Application and Review Process

The submission and review of proposals will consist of a two-stage process. The first stage (application submission) will be required of all investigators who wish to be considered for the IPOC program. After a review of the applications, select applicants will be invited to present a pitch presentation to an external review committee. Only those investigators who are invited to submit full proposals will be eligible for funding.

The technology manager assigned to handle the invention report submitted prior to or concurrent with the application can provide guidance and support during the process. Other mentoring resources may also be available.

a. Application

The application consists of a slide deck based on a template. You can download the template here: <https://uofi.box.com/s/9a8midosdd465c54oiolfdownwe0viw4e>. Once completed, your application should be submitted online here: <https://forms.illinois.edu/sec/1428651096>.

The slide template addresses the following:

- **Project & Technology Description:** Introduce the problem your invention solves, a high-level overview of your technology, and how it will address the problem.
- **Business Opportunity:** Describe the market your envisioned end product would compete in. Highlight the features of your technology (such as better/faster/cheaper) that will make your product competitive in that marketplace.
- **Funding Impact:** Identify the current technical or commercial risks associated with your innovation that your proposed project will address. In other words, what is required to make your innovation more attractive to potential investors/licensing partners.
- **Potential Pitfalls:** Identify potential challenges that could be encountered during the performance of the project and how these could be overcome.
- **Budget:** Details about your project goals and tell us how much money & time you will need to reach each one.
- **Next Steps:** Discuss your future plans for the technology if your proof-of-concept is demonstrated.
- **Investigator Profile:** Highlight the Principal Investigator's background and, if applicable, commercialization and entrepreneurial experience and/or interest in starting a company.

Applications for IPOC 2024 are due by January 16, 2024.

b. Application Review

An internal review committee, consisting of representatives from colleges, units, administration and the entrepreneurial ecosystem, will review applications. Applications will be evaluated based on the project's ability to successfully advance the innovation towards commercialization within the scope of the proposed project goals and within the requested budget and timeframe. Please note: reviewers are **not** required to sign a confidentiality agreement prior to the review. Protected or proprietary information should not be included, but applications must provide sufficient information for reviewers to make a determination regarding commercialization potential.

c. Pitch Presentation

The internal review committee will select finalists representing the strongest applications among a diverse balance of innovation areas. Finalists will be invited to pitch to an external committee.

- d. **Pitch Presentation Review** – An external committee comprising a multidisciplinary panel of reviewers will evaluate pitch presentations. Committee members are **not** required to sign a confidentiality agreement prior to the review. Protected or proprietary information should not be included in the presentation, but applications must provide sufficient information for reviewers to make a determination regarding commercialization potential.
- e. **Pitch Review Criteria** – The external review committee will evaluate and score proposals and generate a rank-ordered list of applications that are recommended for funding. The following criteria will be evaluated:
 - Strength of IP that exists now or will be generated
 - Potential societal benefit
 - Market attractiveness and commercialization strengths
 - IPOC funding as an appropriate enabler of commercialization for the innovation
 - Expertise and commercialization interest by PI and project participants

4. Award Funding Obligations and Limitations

IPOC grants will be awarded in the range of up to \$50,000 over the project period, as determined in the proposal. Grants are intended to only provide support for project related expenses and cannot be used to provide salaries for principal investigators, to purchase laptops or large equipment, for travel (except when it directly supports project completion), for publications, or to cover legal costs or obtain intellectual property protection. Furthermore, funds cannot be used as general support for the investigator's lab. Funding may be used to provide salary support for UIUC graduate or undergraduate students involved in the project.

For projects that are funded under this initiative, the initial tranche of funds are expected to be released within two weeks of award announcement, and contingent on completing the required meeting regarding conflict management (see section 5.1 below). However, there is no guarantee funds will be released by this date. As a result, investigators must not spend any funds prior to release into the investigator's account. After the initial distribution, the release of additional funds will be contingent upon successful achievement of the stipulated milestones and deliverables. Failure to complete the stipulated goals and deliverables may result in delay of payment and potential termination of the project.

5. Post-award Obligations

In addition to meeting the specified milestones and deliverables in the project proposal, awardees will be required to participate in the following activities:

- a. **Post –Award Conflict Management Meeting** -- Awardees will be required to meet with a designated individual within the Office of the Vice Chancellor for Research and Innovation (OVCRI) to discuss conflict management, restrictions on funds, and University obligations. Completion of this meeting is mandatory; funds will not be released until OTM has received confirmation that the meeting occurred.
- b. **Milestone Reports** – A milestone report will need to be submitted as milestones and deliverables set out in the proposal are met.

- c. **Final presentation** – Awardee teams may be asked to brief final presentation at the end of the funding period. This presentation should summarize the outcomes and deliverables of the funding.

6. Other Opportunities

All applicants are encouraged to explore additional innovation and entrepreneurial resources.

- a. **Campus opportunities** – many campus opportunities can be found at <https://researchpark.illinois.edu> and also at <https://tec.illinois.edu>.
- b. **Federal Funding Opportunities**
 - i. Innovation Corps Team Program (I-Corps) - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504672
 - ii. Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs: <https://www.sbir.gov/>
 - iii. [Partnerships for Innovation: https://beta.nsf.gov/funding/initiatives/pfi](https://beta.nsf.gov/funding/initiatives/pfi)

7. Contact

Questions can be emailed to: Nicole Nair at nnair@illinois.edu