

Project Application

Purpose:

The purpose of this initiative is to generate intellectual property in the form of ophthalmological medical devices or services. Your submission will be vetted and prioritized based on three essential criteria: 1) technical feasibility, 2) real-world need, and 3) market viability.

Sponsor Requirement:

Since the project sponsor is an expert in his/her field, the success of the project will be based on his/her involvement. Therefore, if the project is accepted, the sponsor is expected to dedicate no more than 4 hours of his/her weekly time as a faculty advisor to the project. At least one hour of this weekly time is expected to be spent in meetings with the entirety of the ORBIT Lab team at the Innovation Center.

Process:

Being that intellectual property is the goal of this lab, the timeline of the process is flexible, but is scheduled between 4-6 contiguous months. During this timeline, ORBIT Lab will perform secondary and primary research to validate the proposed project. If the need and feasibility for the project is still demonstrated, ORBIT Lab will begin iterative prototyping and testing. At conclusion of our process, four items are produced, 1) a comprehensive market analysis, 2) a functional prototype, 3) an experimental protocol, and 4) assistance in generating an IRB or ACC application (for submission by the sponsor). These deliverables will be presented to the sponsor, whereby the sponsor will begin preliminary data collection using the functional prototype. Upon collection of the data, the sponsor will return to ORBIT Lab to pursue intellectual property. For more information regarding our process, please visit [ORBIT](#) online.

Intellectual Property:

In the event that an invention disclosure is pursued for your project, intellectual property rights are distributed according to the relative contribution of each ORBIT Lab member and discipline, including the project sponsor and his/her home department.

This is a long-term agreement between ORBIT Lab and you as a possible project sponsor; ensure that you can commit to these terms as outlined above before signing below and submitting your project.

Signature:

Date:

About you

Name:

Title:

Department

Problem and Proposed Solution

1. What is the core problem and/or opportunity you're trying to address? Feel free to include ancillary problems to better define the scope of your project. (500 words)

2. Do you have a proposed solution? If so, what is your proposed solution, and how does it solve the problem and/or address the opportunity? (500 word)

*****Note:** While ORBIT encourages the applicant to propose a solution, ORBIT reserves the right to develop an alternate solution***

Existing Solutions and Intellectual Property

3. What alternative solutions are currently commercially available to address this problem/opportunity? Provide a list of search terms and number of hits as well as links to existing products.
 4. What intellectual property currently exists to address this problem/opportunity. Use [Google Patents](#) and [USPTO](#) to search. Provide a list of search terms and number of hits as well as links to existing patents.
 5. How does your proposed solution better address the problem/opportunity than current alternatives (i.e., the content you found from Q3 and Q4). Consider shortcomings or inefficiencies of these solutions to conduct this comparison.

*****Note:** For background on intellectual property (e.g., patents), please refer to [OTM's](#), or [USPTO's](#) webpage. For questions regarding this process, contact ORBIT Lab's in-house OTM member - Jonathan Gortat, 312.413.1643***

Prior Development

6. Have you done any previous research and development towards your concept to date? Please describe any prior development and provide all research documentation (primary and secondary), sketches, calculations, etc. with the submission of your project application.
 7. Have you already submitted a Report of Research Discovery through OTM? Please provide these submitted documents.
 8. Have you already publicly disclosed the device or a predicate version? This can include conference presentation, publication, didactic lectures, etc.