OHSU Biomedical Innovation Program

Goals
An overarching goal of the program is to improve patient care and accelerate the delivery of healthcare technology from academia to the marketplace.

Program Objectives
- To identify and foster ideas for new solutions to important medical problems using bioengineering
- To support the translation of an idea to proof of concept stage and enable the transfer of technology from the academic institution to a commercial entity.
- The product of the research should include protectable intellectual property.
- Follow-on support for product development and commercialization, either as a license or a start up business, is the goal of any project.

Investment Emphasis
- The practical application of research to solve an identifiable clinical problem or clinical unmet need.
- Projects that take advantage of collaborations between clinician scientists and bioengineers.
- Projects likely to lead to commercially relevant translational technologies within a 3-5 year period.

Multidiscipline Scientific Review Committee
- The Oversight Committee will review proposals, make recommendations on funding priority and follow the progress toward product goals and execution.
- Committee expertise includes that of university faculty, physicians, business development, venture capital and technology transfer.

Three Phases:
1. Idea Selection:
   - The goal of this phase is to solicit compelling ideas for promising technologies and to support those that are likely to achieve success in a short time horizon.
   - The process will include an RFA release, the submission and review of letters of intent, and the evaluation of full proposals selected from the letters of intent.
   - An important part of the worth of a proposal is the commercialization opportunity and the idea or vision for the end product.
   - A multidisciplinary Scientific Review Committee will make selection decisions, ad hoc scientific reviewers will be invited as needed.
   - Selection criteria:
     - Research objective and plan, with reasonable and achievable milestones
     - Strength of the collaboration
     - Biomedical impact
     - Commercialization potential and gap analysis
     - Intellectual property position
     - Market and competitor analysis; barriers to success
     - Likelihood of achieving follow-on funding

2. Prototype Development: Demonstrating proof of concept
   - Projects will be provided support of up to $40K for one year with specific milestones defined on a quarterly basis.
   - Continuation and renewal applications will be considered under special circumstances and will be evaluated on a competitive basis with new applications.
   - The goal of this phase is to create a well developed product prototype that demonstrates the basic validity of the idea and enables a compelling case for commercialization.
   - This is the stage where data is collected, solutions are tested and product tradeoffs are explored.
   - This is a looped phase until a prototype is approved.

3. Product Go-To-Market/Exit Strategy:
   - The goal of this phase is to identify support for the creation of a commercial product.
   - It will involve establishing partnerships among industry, faculty and clinicians
   - Two major options will be pursued, either licensing the product idea to a commercial entity or creating a start up that has venture or government funding (e.g. STTR).