



## Joint Call for Proposals Medical Device and Health Technology Development

### Center/Program(s) Involved:

[Penn Health-Tech: Center for Health, Devices and Technology](#) (PHT) unites interdisciplinary strengths in Medicine, Engineering, and beyond to create transformative technologies that address the world's pressing healthcare needs. Penn Health-Tech is an academic center that supports faculty, staff, and students at the University of Pennsylvania with funding and academic programs across the medical device spectrum, from early concept development to implementation.

The [Medical Device Accelerator](#) (MDA), sponsored by the Perelman School of Medicine and [Penn Medicine Center for Health Care Innovation](#), in partnership with the Penn Center for Innovation and Penn Health-Tech, empowers entrepreneurs, clinicians, and researchers at Penn Medicine to create and commercialize innovative medical devices to address unmet clinical needs, improve patient outcomes and reduce the cost of care. The program supports faculty and staff in transforming their "paper napkin drawing" to a final product ready for clinical use.

### APPLICATIONS OPEN FRIDAY, JULY 12<sup>TH</sup> AT 12PM

Applications for the Joint Call for Proposals for Medical Devices and Health Technology Development will open Friday, July 12 at noon. They will close on Monday, September 23 at 5PM.

### General

Penn Health-Tech and the Penn Medicine Center for Health Care Innovation invite faculty from the University of Pennsylvania, Penn Medicine, and Children's Hospital of Philadelphia (CHOP) to submit proposals for pilot funding by September 23, 2019 at 5pm. The goal of this funding is to support the development of medical device and health technology projects that address important unmet medical needs. Proposals that cross departments and schools and promote sharing expertise are strongly encouraged.

Selected proposals will receive

- Pilot funding: From \$5,000 up to \$50,000

- Mentorship and project support: Advisors will help you refine your design, build partnerships and [work towards achieving] proof of concept
- Access to experts

## **Eligibility**

### *PHT ELIGIBILITY*

Faculty and staff at the University of Pennsylvania and Penn Medicine are eligible to receive funding for proof of concept projects and promising inventions. CHOP employees are also eligible to receive funding for proof of concept projects and promising inventions. Team leader or Principal Investigator must be a full-time faculty member of Penn or full-time research faculty member of CHOP.

### *MDA ELIGIBILITY*

Penn Medicine and University of Pennsylvania employee are eligible to participate in the Medical Device Accelerator Program.

## **Funding Size**

Pilot funding range from \$5,000 up to \$50,000 for one year with the potential for additional funding based on project progression. Please note that awards are non-transferable will be given only to the full-time Penn or CHOP research faculty members (through Penn or CHOP, as applicable) to be spent on research in or directed by Penn or CHOP facilities.

## **Scope**

Pre-clinical, translational and proof of concept projects or prototype development across all unmet clinical need areas. Some areas of special interest include *Musculoskeletal Tissue Injury and Repair* and *Connected Health (sensors, AI/ML devices and systems)*.

## **Selection Criteria**

### *PHT SELECTION CRITERIA*

Proposals will be assessed based on:

- scientific merit
- potential for commercialization and creation of new intellectual property
- feasibility
- impact, innovation, and interdisciplinary focus
- proposed budget

### *MDA SELECTION CRITERIA*

Proposals are reviewed by an interdisciplinary team of medical device experts that will assist in selecting projects based on the following criteria:

- Potential for impact
- potential for commercialization and creation of new intellectual property
- Strength of solution

## **Proposal Guidelines**

Please fill out the application in its entirety. All materials must be submitted electronically to be considered. Submissions will not be considered if any required field is incomplete, the application is late or cannot be viewed due to technical error, or if the idea is not an original idea of the submitting participant or team of participants. Only one application may be submitted per team.

*By submitting their idea, participants acknowledge and hereby agree that they will fully comply with the program guidelines including all participation requirements and all applicable University of Pennsylvania policies and regulations. Failure by a participant to adhere to any of the rules, guidelines and conditions will result in withdrawal of such participant's (or their team's) proposal. Penn reserves the right to*

*withdraw submissions at its sole discretion. Submissions will be reviewed by a committee consisting of senior Penn faculty, staff, and selected external panelists. By submitting a proposal, participants hereby authorize Penn to share all information and materials provided to Penn by each participant (or team participants) with Penn faculty, staff, and third parties for the purposes of activities relating to reviewing submissions and awarding funding to recipients.*

**Project and Team Information:** All fields are required, unless otherwise stated.

**Proposed Budget and Milestones:**

- Allowable costs include personnel, supplies, equipment, and other such development expenses related to the project.
- PI/faculty salary and graduate tuition are not supported by this pilot funding.
  - Penn undergraduate students, post-docs, research associates, technicians, and programmers can be supported.
  - No more than 25% of the budget can be used for personnel costs.

**Frequently Asked Questions (FAQs)**

*What is the submission period (opening and deadline)?*

Applications for the Joint Call for Proposals for Medical Devices and Health Technology Development will open Friday, July 12 at noon. They close Monday, September 23 at 5PM.

*Who is eligible?*

Faculty and employees from the University of Pennsylvania, Penn Medicine, and Children's Hospital of Philadelphia). See "Eligibility."

*Can I apply more than once?*

Only one application per project per funding cycle is allowed.

*Is there a waiting period for reapplying?*

Applicants may reapply in the next funding cycle.

*Does the grant support salary / travel / undergraduates / post-docs / research associates / technicians / programmers?*

PI/faculty salary and graduate tuition are not supported from this pilot funding. Undergraduate students, post-docs, research associates, technicians, and programmers are supported. No more than 25% of the budget can be used for personnel costs. Other allowable costs include supplies, equipment, and travel expenses related to the project.

*How long does it take to hear back? How long does the entire process take?*

Final application decisions will be communicated in early November.

*Does the Co-PI have to be at PENN?*

No, but the awards will only be given to the University of Pennsylvania, Penn Medicine or CHOP member listed on the application. See "Eligibility" and "Funding."

*What is the difference between projects that get funded by PHT versus projects funded by the MDA?*

While both entities support novel device innovation, Penn Health-Tech is an academic center that funds device projects (and fosters academic programs) across the medical device spectrum, from early concept development to implementation. The Penn Medicine Center for Health Care Innovation's Medical Device Accelerator funds and fosters device initiatives that have a direct and measurable benefit on the health system, including reduction to the cost of care, increased patient satisfaction, decreased re-hospitalization rates and length of stay, etc.

*What is the Penn Health-Tech (PHT) and the Penn Center for Musculoskeletal Disorders(PCMD) Joint Pilot Award?*

The PHT and PCMD Joint Pilot Award brings together PCMD and Engineering faculty to accelerate the development of medical device projects supporting unmet needs identified by PCMD. Eligible projects will receive mentorship from PHT and PCMD and must include at least one team member from PCMD. Applicants should apply through this portal and select the Musculoskeletal Tissue Injury and Repair track.

**Mentor Program:**

*Participants that are recipients of an award agree to participate in the Penn Health-Tech Mentor Program ("Mentor Program"). Through the Mentor Program, the participants and their teams ("Mentees") will be connected with experts interested in assisting Mentees in developing their projects while providing Mentors an opportunity to engage and support entrepreneurs in the Penn community. By submitting their Application, participants acknowledge and agree that as a condition of the award, they will comply with the terms and conditions of the Mentor Program, namely, the execution and delivery to Penn of a Mentee Agreement.*

**Waiver and Consent:**

By submitting an application, each participant and team member agrees as follows:

*I recognize, acknowledge, and understand that submitting an Application and participating in Penn Health-Tech project proposal carries with it certain inherent risks that cannot be eliminated, including the risk of loss of patent, trade secret, or other intellectual property protection for a medical device, or other health technology idea.*

*Notwithstanding the risks, which I recognize and accept, and in consideration of being permitted to participate in any way in the Application and Penn Health-Tech project proposal, I, for myself, my heirs, personal representatives, or assigns, do hereby waive, release and discharge the Trustees of the University of Pennsylvania and its trustees, officers, employees, and agents, from any and all claims for personal injury, accidents or illness (including death), and property damage, arising in any manner out of my participation in the Application and Penn Health-Tech project proposal. I further acknowledge that the risks stated herein are not intended to be all-inclusive, that my participation is voluntary, and that I knowingly and voluntarily assume all risks known or unknown. I am eighteen (18) years of age or older.<sup>1</sup>*

**Intellectual Property:**

*Awards are intended to support the Penn community through the development of intellectual property. Any proposal, technology or device idea identified as Penn-owned intellectual property will be treated in accordance with Penn policies governing intellectual property, including [Penn Patent Policy](#) and any applicable distributions to inventors thereunder. Final awards are contingent on the agreement of all participants to assign to Penn or CHOP, as applicable, all of their respective right, title and interest in any such intellectual property which is or may be the subject of, supported by or developed as a result of, the award.*

**Limitation of Liability:**

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