



# Pittsburgh Innovation and Technology Track (PITT)

MEDICAL RE...

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# Healthcare is Powered by Innovation

Scientific innovation is a cornerstone of modern medicine. At UPMC, we aim to expand physician-led innovation through robust, credential-awarding innovation-centered education. Aspiring physician-innovators gain experience through project support integrated directly into a standard clinical residency program.

## Why Innovate With Us



Integrated directly into a top, four-year Anesthesiology Residency Program



Executive-style Graduate Certificate in Medical Product Innovation



Up to 6 mo of non-clinical time with robust institutional/resource support for innovation projects



## Key Partnerships



UNIVERSITY OF PITTSBURGH  
CENTER for MEDICAL INNOVATION  
*A University Center in the Swanson School of Engineering*



University of Pittsburgh

Department of Anesthesiology & Perioperative Medicine  
Center for Innovation in Pain Care



University of Pittsburgh

Office of Innovation & Entrepreneurship

THE INSTITUTE FOR  
ENTREPRENEURIAL  
EXCELLENCE  
THE POWER TO PROSPER™



University of Pittsburgh



# Interdisciplinary Team-Based Curriculum

Built to:

- Educate residents, fellows, and clinicians in engineering, business, and legal methodologies in identifying and developing innovative solutions to their problems
- Train [MD, JD, Engineering MS/PhD, MBA] disciplines in the art of working in multi-disciplinary teams to succeed in the medical innovation process, from medical technology ideation, through development, to realization and commercialization



PGY-1 Fall

- Medical Product Ideation (core)
- Elective

PGY-2 Year

- Clinically Focused

PGY-3 Year

- Early Subspecialty Experience
- Medical Product Development (core)
- Elective

PGY-4 Year

- Up to 6 Months of Non-Clinical Project Time



## Direct Your Innovation Path

### Selected Elective Options

- |                                               |                                                |                                            |
|-----------------------------------------------|------------------------------------------------|--------------------------------------------|
| • Entrepreneurship and New Venture Initiation | • Intellectual Property                        | • Entrepreneurship/ Engineering Management |
| • Commercializing New Technologies            | • Law and Entrepreneurship                     | • Bioethics                                |
| • Patent Law                                  | • Legal Aspects of Medical Product Engineering | • Total Quality Management                 |



# POWERING YOUR FUTURE, CHANGING MEDICINE

# UPMC

