



INNOVATION UPDATE

FALL 2012

A healthier approach to medical innovation

This is the first in a series of regular updates we'll be sending to let you know about exciting things happening here at the Fogarty Institute for Innovation (FII). We are enjoying significant growth and success in our core programs, and we hope our progress inspires you to learn more and perhaps help support our initiatives. Below is an overview of the Institute and the latest news from our Innovation: Cultivation program (see back) and Clinical Research: Validation program (at right).

Our mission is clear, and the need is critical

Over the past few years, there has been a “perfect storm” of barriers preventing vital medical innovations from getting to market — and to the patients who need them. Renowned inventor/entrepreneur Thomas Fogarty, MD, founded the Institute to address this need, and we are committed to easing the way for physician innovators who share our passion for improving patient care. We are a 501(c)(3) educational nonprofit with three distinct programs:

Innovation: Cultivation is an onsite program that provides hand-picked applicants with the knowledge and resources to nurture innovative ideas to fruition.

Clinical Research: Validation provides efficient, experienced management services for investigators, enabling them to offer the community innovative, cutting-edge treatment options.

Outreach: Education is a developing program aimed at sharing our successful experience with the broader community through workshops, seminars, and fellowship training.



Clinical Research: Validation Expanding our program and our reach

Our clinical research program is growing, and so is our reputation for efficient, seamless trial administration. While research is a relatively new offering at FII, our team has worked with the Institute leadership for years, and we offer exceptional advantages for local, original clinical investigations and industry-sponsored trials. Through Fogarty Clinical Research Inc., we provide the following:

- An experienced, well-respected team (principal investigators and research coordinators)
- Administrative excellence (able to recruit and launch trials quickly and efficiently)
- Close affiliation with El Camino Hospital, which offers a technologically advanced clinical setting:
 - Access to a large pool of potential participants
 - World-class cardiovascular and cancer programs



Learn more The Fogarty Institute for Innovation is located on the campus of El Camino Hospital. For more information about the Institute, our unique programs, or to donate online, please visit www.fogartyinstitute.org.



Innovation: Cultivation

Nurturing the next generation of medical innovators

Our mentorship program has grown considerably and we are currently working with nine companies to guide them in translating their ideas into marketable patient therapies. Below are descriptions of the companies we are currently mentoring, as well as an update on the first “alumnus” of the FII program.

BioParadox offers a simple, biologic therapy for treatment of leg pain due to peripheral vascular disease.

Clear Ear is working on a Total Ear Care System to address excessive ear wax, the number-one cause of hearing loss and hearing-aid failure worldwide.

InterVene is developing the first non-implantable, catheter-based therapy to treat leg ulcers caused by valve failure in the veins of the leg.

Medical Cue is developing an automated “early warning and guidance system” that informs caregivers when newborns require resuscitation during the critical minutes immediately after birth.

Medical Sewing Solutions is developing a miniaturized sewing machine for use in suturing during laparoscopic surgery.

Mitre Medical is developing the Mitral Touch®, a patent-pending device that provides a less invasive approach to treat mitral valve regurgitation, a significant contributing factor in heart failure.

Niveus Medical plans to improve care for long-stay critical care patients by using an advanced muscle stimulator system to prevent muscle weakness and debilitation during extended periods of bed-rest.

PQ Bypass is developing a less invasive approach to bypass of the femoral artery, designed to match the performance and safety of more invasive surgery.

Vida Systems’ unique, web-based medical education systems engage, challenge, coach, and reward users — all while teaching complex human anatomy, physiology, pathology, and medical procedures.



Stories of support

“I’ve known Tom Fogarty for years and have great respect for his skill and leadership in the development of innovative medical devices. When he started the Institute, I was impressed with the concept — and then later with the execution, as his idea took shape and grew. I watched as the mentorship team nurtured HeartFlow technology to success. In fact, after I donated personally to help support the Institute, my company invested commercially in HeartFlow.

“I am extremely pleased to see the work they are doing, and I encourage others to support this incredibly valuable and worthy cause.”

William Bowes

Major donor to the Fogarty
Institute for Innovation

Founder, U.S. Venture Partners

Update on our first “alumnus”

HeartFlow technology, honed here at FII, significantly improves the diagnostic accuracy of CT angiography, enabling patient-specific, noninvasive detection of stenosis in the coronary arteries. It reduces patient risk and could potentially eliminate millions of invasive diagnostic procedures, saving billions in health care costs. The venture-backed company is based in Redwood City and has 110 employees.

