Help Us Bring Life-Changing Innovations from Hopkins and Baltimore to the World
A Shared History of Innovation
Baltimore’s entrepreneurial ethos dates to America’s earliest days and is intertwined with Johns Hopkins’ long-standing commitment to pioneering research and supporting our city’s economic growth.

POWERING THE FUTURE OF ENTREPRENEURSHIP AT HOPKINS
In 1912, John Abel, a Johns Hopkins scientist, pioneered an early form of dialysis. Yet it took more than 30 years for this technology to directly impact the public. In the interim, hundreds of thousands of lives could have been saved. Johns Hopkins Technology Ventures (JHTV), created in 2013, wants to ensure that doesn’t happen again. Championed by Hopkins President Ronald J. Daniels, JHTV is the hub for innovation and entrepreneurship at the institution, committed to ensuring that the life-changing innovations cultivated in Hopkins labs and dorms make it to the market as quickly as possible. JHTV seeks to promote the development of these dynamic leaders, novel products, and growing companies in Baltimore — strengthening and diversifying our regional economy.

Although we’ve made impressive early strides toward these goals, we need your support to sustain and accelerate this momentum. Your gift will ensure that JHTV continues to commercialize emerging Hopkins technologies, fosters a culture of entrepreneurship, and provides the infrastructure needed for new ventures to grow and, one day, impact the world.

JOHNS HOPKINS UNIVERSITY
FOUNDED — 1876
HOPKINS’ ABEL WOLMAN STANDARDS WATER SANITATION PROCESSES
RUBBER SURGICAL GLOVES
DEVELOPED — 1894
WILLIAM HALSTED, HOPKINS’ SURGEON-IN-CHIEF, INTRODUCES PRODUCT
PHOTO: LEWIS WOODS KANWIS, DEPARTMENT OF THE JOHNS HOPKINS MEDICAL INSTITUTIONS
WATER CHLORINATION
DEVELOPED — 1912
HOPKINS’ SCIENTIST JOHN ABEL WOLMAN STANDARDIZES WATER SANITATION PROCESSES
DIALYSIS INVENTED — 1912
HOPKINS’ SCIENTIST JOHN ABEL PIONEERS THE TECHNOLOGY
JOHNS HOPKINS UNIVERSITY FOUNDED — 1876
HOPKINS’ BEQUEST ALSO ENDSOWS THE HOSPITAL
APL-PRODUCED CAMERA TAKES FIRST COLOR PHOTO OF EARTH — 1967
PHOTO: DOD/JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
"BLUE BABY" CARDIAC BYPASS SURGERY INTRODUCED — 1944
SURGICAL TECHNICIAN VIVIAN THOMAS AND HOPKINS PHYSICIANS PERFORM FIRST OPERATION
ALL-WEATHER SATELLITE NAVIGATION SYSTEM LAUNCHED — 1958
APPLIED PHYSICS LABORATORY (APL) DEVELOPS GPS PREDECESSOR
JHTV FOUNDED — 2013
FLAGSHIP INNOVATION HUB OPENED — 2017
FROM DEVELOPING THE IMPLANTABLE DEFIBRILLATOR TO PIONEERING APPROACHES TO CPR AND CANCER IMMUNOLOGY, INNOVATION IS AT THE HEART OF HOPKINS. AND SINCE JHTV’S FOUNDING, STARTUPS BASED ON HOPKINS TECHNOLOGIES HAVE RAISED $1.2 BILLION.
JOHNS HOPKINS TECHNOLOGY VENTURES

INVESTING IN INNOVATION’S INFRASTRUCTURE

Hopkins researchers and faculty are making advancements in drug development, biotechnology, robotics, and social enterprise that address challenges locally and globally. Even our undergraduates are transforming disruptive ideas into new businesses — sometimes before they graduate.

These innovators are thriving in part because JHTV has established in Baltimore the infrastructure they need to bring their innovations to life, including:

• Four world-class innovation hubs built on Hopkins’ Homewood and East Baltimore campuses
• A corporate partnership team that has negotiated tens of millions of dollars in research funding connecting industry partners and researchers
• A reorganized technology transfer team focused on moving technologies forward while driving revenue to the university
• A suite of services — including mentorship, educational boot camps, trainings, and networking — that help our researchers commercialize technologies
• FastForward U, a student-focused innovation hub and associated programs that teach and empower the next generation of entrepreneurs
• Creation of the nationally recognized Social Innovation Lab at Johns Hopkins, an accelerator for mission-driven ventures solving challenges in Baltimore and beyond

We can and must build on this momentum to ensure the solutions these innovators are developing reach those who need them most.

JHTV’s 2017 successes:

18
NEWLY CREATED STARTUP COMPANIES, BRINGING OUR PORTFOLIO TOTAL TO MORE THAN 150 ACTIVE COMPANIES

549
INVENTION DISCLOSURES RECEIVED, MAKING HOPKINS ONE OF THE NATION’S MOST PROLIFIC UNIVERSITIES

125
NEW U.S. PATENTS ISSUED

32
COMMERCIAL STARTUPS RAISED FOLLOW-ON INVESTMENTS

80
APPLICATIONS FROM UNDERGRADUATE TEAMS FOR OUR PROGRAMS

What they’re saying about innovation in Baltimore:

“Baltimore’s entrepreneurs are leading Charm City’s comeback.”
— U.S. Chamber of Commerce, 2016

What they’re saying about JHTV startups:

“READY Robotics’ solution is a robotic arm that can be swiftly programmed to perform new tasks … a kind of automated Swiss Army Knife.”
— INC.com, May 2017

“Kala Pharmaceuticals announces close of its IPO.”
— FierceBioTech, June 2017

“Bristol-Myers bets $2B on Cardioxyl’s heart failure therapy.”
— FierceBioTech, November 2015

“Immunomic Therapeutics ... has reached a $300 million deal licensing its technology to Japanese company Astellas Pharma.”
— The Baltimore Sun, October 2015

Building a track record of success:

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Building a track record of success:
**SUPPORT INNOVATION AND ENTREPRENEURSHIP AT JOHNS HOPKINS AND IN BALTIMORE**

Hopkins has long attracted some of the world’s brightest minds to serve on its faculty and enroll as its students. They are creating solutions to major health, economic, and social challenges and translating those ideas into viable products and processes — Hopkins consistently ranks in the top three worldwide among institutions receiving U.S. utility patents. At the same time, JHTV is leading efforts to build Baltimore’s innovation ecosystem, providing affordable space, services, mentorship and funding opportunities that will empower these innovators to reach their potential.

You can play an integral role in propelling these efforts by making a gift today to JHTV. You can contribute in many ways, including:

**FASTFORWARD HUBS ACROSS BALTIMORE**

- **FastForward 1812** is JHTV’s flagship innovation hub, offering office, co-working, wet lab, and conference space near Johns Hopkins Hospital and the schools of Medicine, Nursing, and Public Health.
- **FastForward R. House** is located in Remington, just south of Hopkins’ Homewood campus, and offers office, co-working, meeting, and wet/dry lab space.
- **FastForward East** is across the street from FastForward 1812 and offers additional office, co-working, and meeting space for current Hopkins students.
- **FastForward U Homewood** will move to a new space across from FastForward R. House in 2018, providing a permanent, dedicated space for student entrepreneurs and programming.

**Bringing transformative technologies from Hopkins labs to market**

- $10,000 — funds mentorship programs that connect inventors with experienced entrepreneurial advisors
- $50,000 — supports commercialization education for our inventors
- $1 million — builds out our new innovation hubs on Hopkins’ East Baltimore and Homewood campuses
- $10 million — provides foundational support to JHTV’s efforts on the Homewood and East Baltimore campuses and names the 1812 Ashland FastForward hub

**Fostering a culture of entrepreneurship among students through FastForward U**

- $5,000 — funds the Entrepreneurship Lunch and Learn series and educational programs
- $50,000 — supports commercialization education for our inventors
- $100,000 — provides seed funding grants and support to student groups
- $250,000 — helps build out the FastForward U space near the Homewood campus

**Building a better Baltimore through the Social Innovation Lab**

- $1,000 — provides seed funding for a team of innovators
- $10,000 — supports boot camp for social entrepreneurs
- $25,000 — sponsors the Social Innovation Lab Prize at the Impact+Innovation Forum
- $300,000 — creates a Baltimore Talent Retention Fund to develop a local pipeline of C-level professionals

**MAKE YOUR GIFT**

We welcome the opportunity to explore these and other giving options with you. We will work with you to plan and structure your gift in ways that support your goals and ours. We look forward to hearing from you and thank you for your interest. To learn more and to discuss your gift, please contact:

Daniel Goetzel
Director of Innovation Initiatives and Corporate Relations
Johns Hopkins Technology Ventures
Phone: 410-614-2260
Email: dgoetzel@jhu.edu
Web: ventures.jhu.edu/give

PARAM SHAH COFOUNDED FACTORYFOUR AS A HOPKINS UNDERGRADUATE, GROWING THE COMPANY WITH SUPPORT FROM JHTV’S SUMMER UNDERGRADUATE ENTREPRENEURSHIP AWARD IN 2016. SHAH AND HIS CO-FOUNDER, ALSO A JHU GRADUATE, WERE NAMED TO FORBES’ 30 UNDER 30 LIST IN 2017, AND THE BALTIMORE-BASED COMPANY RECENTLY RAISED $1.75 MILLION IN A SEED ROUND.

SHANTELL ROBERTS, A BALTIMORE-BASED MATERNAL AND CHILD HEALTH ADVOCATE, WON THE INAUGURAL $25,000 SOCIAL INNOVATION LAB PRIZE IN 2017. HER VENTURE, THE PORTABLE ALTERNATIVE CRIB, IS DESIGNED TO REDUCE INFANT FATALITIES FROM SUDDEN INFANT DEATH SYNDROME IN BALTIMORE AND ACROSS MARYLAND.

**Shah and his co-founder, also a JHU graduate, were named to Forbes’ 30 Under 30 List in 2017, and the Baltimore-based company recently raised $1.75 million in a seed round.**

**Shanteell Roberts, a Baltimore-based maternal and child health advocate, won the inaugural $25,000 Social Innovation Lab prize in 2017. Her venture, the Portable Alternative Crib, is designed to reduce infant fatalities from sudden infant death syndrome in Baltimore and across Maryland.**

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