

The JHU Innovation Ecosystem: A Living Listing of Resources and Connections

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UNIVERSITY OFFICES

Johns Hopkins Technology Ventures (<http://www.ventures.jhu.edu>). Johns Hopkins Technology Ventures (JHTV) is the University's intellectual property administration center, serving Johns Hopkins researchers and inventors as a licensing, patent, and technology commercialization office and acting as an active liaison to parties interested in leveraging JHU research or materials for academic or corporate endeavors. Three major components of JHTV are:

- Johns Hopkins Technology Transfer, which is the office that deals with all aspects of technology commercialization. The Inventor Portal (<http://ventures.jhu.edu/disclosure/>) is used to disclose technology, inventions and ideas. There are helpful links to find people and documents, including the Invention Process workflow, University IP Policies and Patent information. Neil Veloso (nveloso1@jhu.edu) is the Executive Director of Technology Transfer
- FastForward (<http://www.ventures.jhu.edu/fastforward>) is an accelerator at Johns Hopkins that provides education, mentorship, and facilities for commercialization activities. Engage via the website above or through email to Brian Stansky, Director of Business Initiatives (bstansky@jhu.edu). Some educational opportunities include iCORPs, as described below.
- Business Development led by Helen Montag, deals with corporate relationships. Dave Greenwald is the Director of Business Development focused on therapeutics, and Joe Powers focuses on Digital Health.

Resources that are coordinated by JHTV include:

- Mentors-in-Residence (<http://ventures.jhu.edu/mentors-in-residence>). These are mentors with extensive industry experience in relevant technology areas who

have committed a period of time to offer advice for projects moving through FastForward.

- Science and Technology Advisory Team (STAT) (<http://ventures.jhu.edu/stat/>) includes Johns Hopkins-affiliated subject matter experts (including alumni), who can be mobilized to help startup companies confidently tackle a variety of challenges.
- The Johns Hopkins Private Equity and Venture Capital Club, led by Kelvin Fu (<http://www.jhupevc.com>)

JHU SCHOOL AND DEPARTMENTAL OFFICES AND PROGRAMS

JHU Medicine

- Johns Hopkins Medicine Business Development and Strategic Alliances (http://www.hopkinsmedicine.org/business/business_development) assists in development of products and services, and alliance with external organizations
- Johns Hopkins Center for Innovative Medicine (<http://www.hopkinscim.org/>) describes itself as “a think tank” with a mission to serve Johns Hopkins and academic medicine. Site links to Bayview research cores, Alike Initiative, and the Miller-Coulson Academy.
- The Office of Johns Hopkins Physicians (OJHP) (<http://www.hopkinsmedicine.org/office-of-johns-hopkins-physicians>) develops guidelines, parameters and innovations to assist in physician offices, activities and care systems.
- Armstrong Institute for Patient Safety and Quality (http://www.hopkinsmedicine.org/armstrong_institute) The Armstrong Institute's goal is to eliminate preventable harm to patients and to achieve the best patient outcomes at the lowest cost possible, and then to share knowledge of how to achieve this goal with the world.
- The Johns Hopkins Institute for Clinical and Translational Research (ICTR; <http://ictr.johnshopkins.edu>) is one of 60 medical research institutions working together as a national consortium funded through the [Clinical and Translational Science Awards \(CTSA\)](#). Sponsors cores, clinical research units, educational

events and funding directed towards accelerating innovation.

- JHU Drug Discovery Program (<https://drugdiscovery.jhu.edu>) , a multidisciplinary team of scientists with industrial experience in drug discovery research, providing collaboration across subject areas and educational programs (below)
- Innovation and Commercialization in Medicine (InCMed) is the Department of Medicine office chaired by Vice Chair and Associate Vice Chair of Innovation and Commercialization, Drs. Jay Pasricha and Kieren Marr
- Johns Hopkins Medicine Healthcare Solutions (<http://www.johnshopkinssolutions.com>) is a business team within JHM working to develop and manage collaborations with industry.

JHU Whiting School of Engineering

- Center for Biomedical Innovation and Design (CBID) (<http://cbid.bme.jhu.edu>), part of the Department of Biomedical Engineering works with students, engineers, faculty, and industry to develop solutions to health care problems
- Malone Center for Engineering in Healthcare (<http://hub.jhu.edu/2016/02/04/engineering-health-care-malone-center>) is a multidisciplinary collaborative center for healthcare solutions

JHU Carey Business School

- Carey Business School Global MBA program students participating in Discovery to Market (D2M) program (<http://carey.jhu.edu/students/student-projects/discovery-to-market>) work closely with JHU faculty across departments to create business models and commercialization plans
- CBS – Medicine faculty offer JHU Boot Camp for Technology Entrepreneurs (<http://www.jhubootcamp.com>)
- Entrepreneurial Finance is taught by Dave Greenwald

JHU Bloomberg School of Public Health

- Center for Population Health IT (<http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-center-for-population-health-information-technology/>)

works with investigators to help identify ways to care for populations

JHU ORGANIZATIONS, NETWORKS AND LINKS FOUNDED TO PROMOTE / ACCELERATE INNOVATION

- Innovation Factory (<http://ifjh.org>) is the collaborative student-led organization with the mission to foster the entrepreneurial spirit throughout the Johns Hopkins community by facilitating access to learning, networking, and investment opportunities.
- Social Innovation Lab (<http://thesocialinnovationlab.org>) The Social Innovation Lab is an early stage incubator located in Baltimore, Maryland that supports promising companies and organizations developing innovative solutions to local and global problems.
- Hopkins Biotech Network (<http://hopkinsbio.org>) was formed with the goal of providing a platform to network and to help members “understand the vast spectrum of opportunities in biotechnology, spanning everything from business to the lab bench.” Dave Greenwald is the Carey faculty advisor to HBN
- The Idea Lab (<http://idealab.jhu.edu>) is a crowdsourcing site for Hopkins Innovation ideas, discussions, and challenges.
- The Hopkins Graduate Student Consulting Club (<http://jhgcc.weebly.com>) is a student-led organization that aims to introduce the Johns Hopkins students and staff to a career in business management consulting. The group holds workshops, networking events and biotech case competitions

JHU Affiliated Organizations

- The Johns Hopkins University Applied Physics Laboratory (APL), a JHU affiliated research center (<http://www.jhuapl.edu>) provides critical contributions to challenges with systems engineering and integration, technology research and development, and analysis.
- Sibley Innovation Hub (<http://www.sibleyhub.com>) helps coordinate activities and facilitate projects using design thinking models to address medical problems

- Jhpiego (<http://jhpiego.org>) focuses on bringing high-quality health care to women and families worldwide, by creating innovative solutions to improve health care services, delivery and systems.

Information Technology (IT) Centers, resources and links

- Johns Hopkins Medicine Technology Innovation Center (TIC) (http://www.hopkinsmedicine.org/technology_innovation) is a professional software engineering team that builds and deploys innovative clinical information systems across Johns Hopkins Medicine.
- Health IT accelerator Dreamit Health (<http://www.dreamit.com>) provides early stage entrepreneurs with resources, advisors, investors, strategic partners and customers looking for innovative solutions.
- Center for Population Health IT (<http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-center-for-population-health-information-technology/>) works with investigators to help identify ways to care for populations

Other Regional Resources and Useful Links

- Betamore (<https://www.betamore.com>) is a campus for technology + entrepreneurship located in the heart of the Federal Hill neighborhood of downtown Baltimore
- Baltimore Innovation week (<https://baltimoreinnovationweek.com>)
- Maryland Biotech Forum (<http://www.techcouncilmd.com/marylandbiotechforum>)
- JHU MedHacks a challenge competition for design and discovery (www.Medhacks.org)
- The Center for Advancing Innovation (CAI) has partnered with MedImmune and the National Cancer Institute (NCI) to launch new companies in the Maryland-Virginia-DC region centered around Nanotech-Cancer inventions through a challenge - the Nanotechnology Startup Challenge (<http://www.prweb.com/releases/2015/12/prweb13141284.htm>)

EDUCATIONAL PROGRAMS

- Innovation-CORPS (I-CORPS) programs sponsored by NSF (<http://www.dccorps.org/introatjhuprograminformation/>) and NIH (<http://www.nih.gov/news-events/news-releases/nih-i-corps-entrepreneurial-training-pilot-program-showcases-results>) give researchers training in commercialization, with the aim of accelerating biomedical innovations into applied health technologies
- CBS – Medicine faculty offer JHU Boot Camp for Technology Entrepreneurs (<http://www.jhubootcamp.com>)
- Center for Bioengineering Innovation & Design (CBID) hosts several educational programs and competitions, including an Annual Design Day (<http://cbid.bme.jhu.edu>)
- Krieger Arts and Sciences Graduate Programs include Master of Science in Biotechnology, Regulatory Sciences, And Biotechnology Enterprise and Entrepreneurship (<http://landing.advanced.jhu.edu/biotechnology>)
- JHU Drug Discovery Program (<https://drugdiscovery.jhu.edu>) provides courses in drug discovery research

FUNDING OPPORTUNITIES

- Links to several Funding opportunities listed on ICTR website, including Accelerated Translational Incubator Pilot (ATIP) awards, SOM Discovery Synergy Awards, Health Care Innovation Awards (JH Community Health Partnership J-CHiP) <http://ictr.johnshopkins.edu>;
- Johns Hopkins Discovery Award (http://web.jhu.edu/administration/provost/awards/Discovery_Award/discovery)
- President's Frontier Award (<http://web.jhu.edu/administration/provost/awards/PFA>)
- Johns Hopkins Catalyst Award (http://web.jhu.edu/administration/provost/awards/Catalyst_Award/catalyst)
- NIH Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) (<https://sbir.nih.gov>)
- Lilly Innovation Fellowship Award <https://www.lilly.com/Research->

[development/Innovation-starts/Lilly-innovation-fellowship-award.aspx](http://www.jhuapl.edu/aboutapl/innovation/default.asp)

- APL provides Ignition Grants
(<http://www.jhuapl.edu/aboutapl/innovation/default.asp>)
- Sanofi iAwards (<http://tinyurl.com/hopkins-sanofi>)
- Louis B. Thalheimer Fund for Translational Research
(<http://www.ventures.jhu.edu>).
- Maryland TEDCO Innovation Initiative (MII) awards (<http://www.tedco.md>)