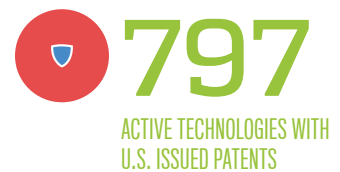
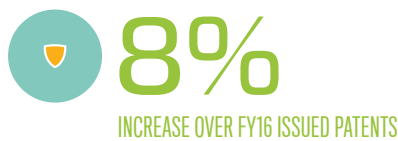
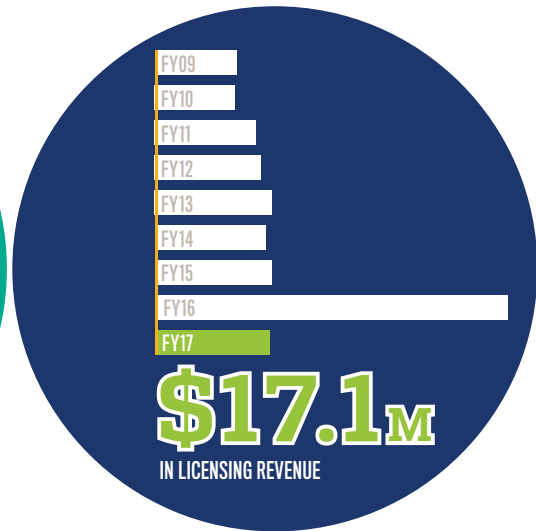
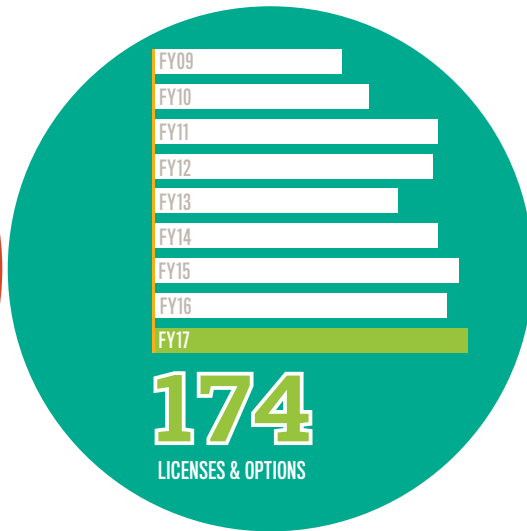


2017 YEAR IN BRIEF

Start here. That all-encompassing theme reverberated across Johns Hopkins Technology Ventures' efforts in FY17. Here, we present the many ways JHTV stimulated the innovation ecosystems at Johns Hopkins and in Baltimore — building their reputations as ideal places for the development of tomorrow's innovative solutions.



In FY17, JHTV received 549 invention disclosures and executed 174 new agreements. We believe these results — the most invention disclosures received and most licenses and agreements executed in JHTV history — reflect our commitment to customer service.



18

NEWLY CREATED STARTUP COMPANIES

- AMAZ
- Canopy Biosciences, LLC
- CyThera Pharmaceuticals, Inc.
- EduMD, LLC
- EnzenX LLC
- Galen Robotics
- Glyscend
- Halobeam Technology
- Kley Dom Biomimetics, LLC
- LifeSprout
- Mind Halo
- Neuraly, Inc.
- Othro Therapeutics
- Radiopharmaceutical Imaging and Dosimetry (RAPID)
- Renalert
- StoCastic, LLC
- Theraly Fibrosis, Inc.
- Y-Trap, Inc.

19

TEAMS RECEIVING MARYLAND INNOVATION INITIATIVE FUNDING TOTALING

\$2.4 MILLION

\$56.8 MILLION

RAISED BY 32 STARTUPS IN FOLLOW-ON FUNDING VENTURE INVESTMENT

6

- ForagerOne
- Fractal Technology
- Gaius
- Kaleyedos
- Squadz
- feedfin

STUDENT STARTUPS WERE AWARDED THE RALPH S. O'CONNOR UNDERGRADUATE ENTREPRENEURSHIP FUND



15

MENTORS-IN-RESIDENCE



32

TEAMS PARTICIPATING IN I-CORPS



\$7.9 MILLION

RECEIVED BY STARTUPS IN SMALL BUSINESS INNOVATION RESEARCH FUNDING



50

PARTICIPANTS, 12 TEAMS, 7 MENTORS AND 3 INSTRUCTORS IN JHU BOOTCAMP

10

TEAMS IN THE SOCIAL INNOVATION LAB

- B-360
- Bent Carrot
- Intelehealth
- Lacstation
- The Listening Lab
- The Portable Alternative Crib
- Project Charmify
- Squadz
- Sunrise Health
- The Whole Teacher

32

COMPANIES-IN-RESIDENCE IN FASTFORWARD INNOVATION HUBS DURING FY17

2,400+

ATTENDEES AT JHTV EDUCATIONAL EVENTS, PROGRAMMING AND TECHNOLOGY SHOWCASES



ASSETS

JHTV continued enriching Johns Hopkins' and Baltimore's innovation ecosystems by investing in affordable space, services and funding — resources innovators need to start and stay in Baltimore.

SPACE



FastForward 1812

Opened in early 2017, FastForward 1812 more than doubles JHTV's innovation footprint in Baltimore. The hub, which housed 21 startups at fiscal year close, includes 15,000 square feet of affordable wet lab space.



FastForward Homewood

In FY17, plans were made to move FastForward Homewood in early FY18 from the Stieff Silver building into a new space, FastForward R House, adjacent to the Homewood campus in Remington.



FastForward U

JHTV opened its first student-dedicated innovation hub on the Homewood campus in April. The temporary facility features co-working space, meeting rooms and workstations. During FY17, JHTV also planned its 2018 transition to permanent spaces in Remington and East Baltimore.

SERVICES

Social Innovation Lab

10 teams developed solutions to challenging social issues

Mentors-in-Residence

15 mentors provided guidance to Johns Hopkins faculty and startups

National Science Foundation's I-Corps Program

32 teams learned business plan development and customer discovery skills

2016 Alliance for Science and Technology Development

Showcased early technologies from Johns Hopkins and University of Maryland, Baltimore to potential customers, investors and partners

The Commercialization Academy

Had **21** graduate and undergraduate student fellows, including **18** added in fiscal year 2017

Legal/Accounting Support Program

Five local firms provided pro bono support to FastForward startups

JHU Bootcamp for Technology Entrepreneurs

50 participants learned how to move ideas from lab to market

FastForward Educational Series

This series with **21** events attracted over **850** attendees

JHTV-FDA Fellows Program

In FY17, **two** cohorts uncovered solutions to challenges related to the regulatory path

FUNDING

Louis B. Thalheimer Fund for Translational Research

Two faculty received a combined **\$195,549** to move their technologies to market

Accelerator Translational Incubator Pilot

Six grants of up to **\$100,000** funded projects aiming to improve clinical interventions

Johns Hopkins-Coulter Translational Partnership

Eight teams received a combined **\$543,280** to accelerate research collaborations' market readiness

The Maryland Innovation Initiative

\$2.4 million in grants awarded to **19** teams for the advancement of technology commercialization

Ralph S. O'Connor Undergraduate Entrepreneurship Fund

Six undergraduate startups awarded up to a combined **\$60,000**

Summer Undergraduate Entrepreneurship Award

MoTrack Therapy received **\$10,000**, mentorship and space to continue its momentum



CORPORATE PARTNERSHIPS



AbbVie

This oncology collaboration already has its first cycle of sponsored research projects underway.



Bayer

Bayer is supporting six projects at the Wilmer Eye Institute and the pharmacokinetics team at Johns Hopkins Drug Discovery program.



Celgene

Part of a multi-university cancer consortium, Johns Hopkins presented two projects focused on inhibiting cancer through epigenetics.



A member of the AstraZeneca Group

MedImmune

Hopkins and MedImmune selected the first candidates for the Johns Hopkins-MedImmune Scholars Program, a first-of-its-kind Ph.D. program.



Toshiba Medical/Canon

Toshiba Medical/Canon installed a state-of-the-art MRI machine in the 1812 Ashland building to support faculty research.



STUDENT ENTREPRENEURSHIP



Interest in entrepreneurship is surging among Johns Hopkins students. Last year, 2,300 students attended Johns Hopkins entrepreneurial events.

SPACE

JHTV opened its first student-dedicated innovation hub in April. In 2018, the Homewood location will move to Remington, and FastForward East at Rangos will transition to a student space — creating permanent homes for student entrepreneurs to explore this extracurricular area of interest.

PROGRAMMING

3 Day Startup
Pizza and Pitches
MedHacks
HopHacks
I-Corps

FUNDING

Ralph S. O'Connor Fund

The 2016-2017 cohort featured six teams of undergraduate students working on a variety of technologies.

Summer Undergraduate Entrepreneurship Award

The award enabled startup MoTrack Therapy to continue building its at-home hand therapy solution.



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