

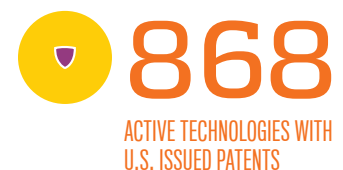
# 2018 YEAR IN BRIEF

All corners of **Johns Hopkins Technology Ventures** were bustling this year. Technology Transfer supported the advancement of an exciting array of ideas and discoveries from across campus. FastForward startups had an extraordinary year raising venture capital, and students from every corner of Johns Hopkins embraced entrepreneurship through the space, funding and programming available at FastForward U. Corporate Partnerships had a banner year, celebrating a number of new and expanded collaborations.



## IMPACT

This year, JHTV's Technology Transfer group processed 463 invention disclosures, secured 150 new patents and executed 138 new agreements. The office also consulted with dozens of inventors to analyze the market for, plan the development of and secure funding for early stage technologies.



# 8

- 3Dynamics
- Dracen Pharmaceuticals
- Escient Pharmaceuticals
- EtCH
- Healytics
- HIF Therapeutics
- Musina Ventures (Pty) Ltd
- Neuro Motor Innovations

NEWLY CREATED STARTUP COMPANIES

# 20

TEAMS RECEIVING MARYLAND INNOVATION INITIATIVE FUNDING TOTALING

# \$2.4

 MILLION

# \$451

 MILLION

RAISED BY 31 STARTUPS IN FOLLOW-ON FUNDING VENTURE INVESTMENT

# 5

- Atana
- OtoGlobal Health
- Treyetech
- VersaMaker
- Weel

STUDENT STARTUPS WERE AWARDED THE RALPH S. O'CONNOR UNDERGRADUATE ENTREPRENEURSHIP FUND FOR A COMBINED TOTAL OF UP TO **\$50,000**



# 989

HOURS OF MENTORSHIP PROVIDED BY MENTORS-IN-RESIDENCE



# 23

STUDENT TEAMS RECEIVED NEW STUDENT "SPARK" GRANTS



# \$11.4

 MILLION

RECEIVED BY STARTUPS IN SMALL BUSINESS INNOVATION RESEARCH FUNDING



# 207

STUDENT-LED VENTURES WERE SUPPORTED, AND THEY RAISED OVER \$8 MILLION

# 10

- Bakku Technologies
- BeeMore
- Clearmask
- Distribution Health
- The Growing Minds Initiative
- HostHome
- Hosts For Humanity
- Mera Kitchen Collective
- Neighbour, Neighbour
- Pivot

TEAMS IN THE SOCIAL INNOVATION LAB



# ASSETS

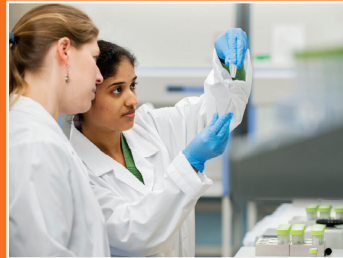
To complement the groundbreaking discoveries produced across campus, JHTV supports innovators by providing the key ingredients to a robust local innovation ecosystem: space, services and funding.

## SPACE



### FastForward 1812

FastForward 1812 cements East Baltimore as one of our city's premier innovation districts, providing startups, investors, industry experts and leading academic researchers opportunities to meet, network, collaborate and grow.



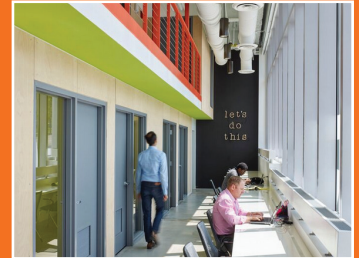
### FastForward R. House

This flexible, subsidized space allows local entrepreneurs—with or without a Johns Hopkins affiliation—to plant business roots in the fertile ground near the Homewood campus.



### FastForward U Homewood

FastForward U Homewood houses workshops, makerspace and programmatic resources that enable students to grow ideas, build ventures and understand business.



### FastForward U East

Our second student innovation hub, FastForward U East at Rangos, hosts educational programming and provides students opportunities for venture exploration.

## SERVICES

### Social Innovation Lab

**10** teams were selected from 84 applications by Baltimore-area residents and JHU students, faculty and staff.

### Mentors-in-Residence

**14** mentors devoted **989** hours to **544** engagements. One mentor co-led a seed investment round of **\$1M**, and another supported valuations for a **\$15M** series A round.

### National Science Foundation's I-Corps Program

JHTV guided **44** teams through the curriculum, and **21** teams each received **\$2,880** in additional funding support.

### Trajectory Next

**8** teams participated starting in April 2018. Provided startups with exposure to prospecting, networking, and sales methods.

### The Commercialization Academy

Provided career exploration and skill-building experience to **31** Johns Hopkins student interns this year, representing five of the nine schools of the university.

### Legal/Accounting Support Program

Provided **48** hours of pro bono legal services and **24** hours of pro bono accounting/tax services.

### Anchor Ventures

This monthly networking series brought together and engaged over **430** members across the local ecosystem.

### M-Labs

In collaboration with Medimmune/AstraZeneca, this FastForward program pairs startups with functional experts to solve critical startup issues through live consultation.

## FUNDING

### Cohen Translational Engineering Fund

Provided **\$160,000** to help **4** projects move engineering research into the marketplace.

### Louis B. Thalheimer Fund for Translational Research

Parag Karmarker, Dan Stutman and Dr. Jim Wright were awarded **\$210,000** to produce proof-of-concept, prototype and commercial feasibility studies.

### The Maryland Innovation Initiative (MII)

Awarded just over **\$2.4M** in grants to **20** Johns Hopkins University teams.

### Ralph S. O'Connor Undergraduate Entrepreneurship Fund

**5** student teams were each awarded **\$5,000** with the opportunity to earn up to \$5,000 more.

### Summer Undergraduate Entrepreneurship Award

This year's awardee, Shaap, is a social e-commerce platform led by sophomore Eyan Goldman.

### Bluefield Innovations

A collaboration with Deerfield Management, Bluefield Innovations makes **\$65M** available for research and startup seed capital.



## CORPORATE PARTNERSHIPS



Beyond the field of oncology, this collaboration in neuroscience has continued into a second year, and exploration of future projects continues.



In year three of a five-year collaboration, Bayer supported four joint research projects at the Wilmer Eye Institute, as well as work in pharmacokinetics at JHDD to develop therapies for retinal diseases.



### Bristol-Myers Squibb

This five-year collaboration is focused on immuno-oncology, with sponsored research, clinical trial and laboratory equipment components.



### CANON MEDICAL

Canon Medical Systems Corporation's state-of-the-art research MRI has allowed Johns Hopkins faculty to bring in new funding for their research.



In FY18, two large projects presented by Johns Hopkins faculty were approved; both focused on the inhibition of cancer through epigenetics.



A member of the AstraZeneca Group

The Johns Hopkins-MedImmune Scholars program entered into its second year and is currently recruiting the next cohort of Ph.D. scholars.



## STUDENT ENTREPRENEURSHIP



Entrepreneurial activity among Hopkins students surged this year, with new space, programs and funding made available to steward them on.

### SPACE

Construction on FastForward U Homewood was completed this summer. This hub is located near Johns Hopkins' schools of arts & sciences, education and engineering. Our second student innovation hub, FastForward U East at Rangos, is located across from FastForward 1812 and provides convenient access for students on the East Baltimore campus.

### PROGRAMMING

Hopkins Pitch Night

Introduction to Entrepreneurship

FastForward U Friday Office Hours

Innovation Conversations

### FUNDING

Spark Grants

Out of 66 applicants, **23** teams were awarded a total of **\$15,075**.

Ralph O'Connor Undergraduate Entrepreneurship Fund

**5** student teams were each awarded a total of up to **\$10,000**.

Summer Undergraduate Entrepreneurship Award

This year's awardee, Shaap, is a social e-commerce platform led by sophomore Eyan Goldman.



JOHNS HOPKINS  
TECHNOLOGY VENTURES

Johns Hopkins Technology Ventures  
1812 Ashland Avenue  
Suite 110  
Baltimore, MD 21205  
Phone: 410.614.0300  
ventures.jhu.edu

*View our full report: [ventures.jhu.edu/year-in-brief-fy-2018](https://ventures.jhu.edu/year-in-brief-fy-2018)*