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.
NEWLY CREATED STARTUP COMPANIES

8

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

• Atana
• OtoGlobal Health
• Treyetech
• VersaMaker
• Weel

HOURS OF MENTORSHIP PROVIDED BY
MENTORS-IN-RESIDENCE

23

STUDENT TEAMS RECEIVED
NEW STUDENT “SPARK” GRANTS

$451 MILLION

RAISED BY 31 STARTUPS IN FOLLOW-ON FUNDING
VENTURE INVESTMENT

989

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

$11.4 MILLION

RECEIVED BY STARTUPS IN SMALL
BUSINESS INNOVATION RESEARCH FUNDING

207

TEAMS IN THE SOCIAL INNOVATION LAB

10

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

$2.4 MILLION

TEAMS RECEIVING MARYLAND INNOVATION
INITIATIVE FUNDING TOTALING

• 3Dnamics
• Dracen Pharmaceuticals
• Escent Pharmaceuticals
• EtCH
• Healytics
• HIF Therapeutics
• Musina Ventures (Pty) Ltd
• Neuro Motor Innovations

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NEWLY CREATED STARTUP COMPANIES
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. |

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

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 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.

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

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

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.

View our full report: ventures.jhu.edu/year-in-brief-fy-2018