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.

**IMPACT**

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.

- **549** invention disclosures received
- **174** licenses & options
- **$17.1M** in licensing revenue
- **125** new U.S. patents issued
- **8%** increase over FY16 issued patents
- **797** active technologies with U.S. issued patents
- **2,653** active, issued U.S. and foreign patents
- **4,135** material transfer agreements completed
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

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<tr>
<th>Social Innovation Lab</th>
<th>Mentors-in-Residence</th>
<th>National Science Foundation’s I-Corps Program</th>
<th>2016 Alliance for Science and Technology Development</th>
<th>The Commercialization Academy</th>
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<tbody>
<tr>
<td>10 teams developed solutions to challenging social issues</td>
<td>15 mentors provided guidance to Johns Hopkins faculty and startups</td>
<td>32 teams learned business plan development and customer discovery skills</td>
<td>Showcased early technologies from Johns Hopkins and University of Maryland, Baltimore to potential customers, investors and partners</td>
<td>Had 21 graduate and undergraduate student fellows, including 18 added in fiscal year 2017</td>
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<tr>
<th>Legal/Accounting Support Program</th>
<th>JHU Bootcamp for Technology Entrepreneurs</th>
<th>FastForward Educational Series</th>
<th>JHTV-FDA Fellows Program</th>
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<tr>
<td>Five local firms provided pro bono support to FastForward startups</td>
<td>50 participants learned how to move ideas from lab to market</td>
<td>This series with 21 events attracted over 850 attendees</td>
<td>In FY17, two cohorts uncovered solutions to challenges related to the regulatory path</td>
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FUNDING

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<tr>
<th>Louis B. Thalheimer Fund for Translational Research</th>
<th>Accelerator Translational Incubator Pilot</th>
<th>Johns Hopkins-Coulter Translational Partnership</th>
<th>Summer Undergraduate Entrepreneurship Award</th>
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<td>Two faculty received a combined $195,549 to move their technologies to market</td>
<td>Six grants of up to $100,000 funded projects aiming to improve clinical interventions</td>
<td>Eight teams received a combined $543,280 to accelerate research collaborations’ market readiness</td>
<td>MoTrack Therapy received $10,000, mentorship and space to continue its momentum</td>
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<th>The Maryland Innovation Initiative</th>
<th>Ralph S. O’Connor Undergraduate Entrepreneurship Fund</th>
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<tr>
<td>$2.4 million in grants awarded to 19 teams for the advancement of technology commercialization</td>
<td>Six undergraduate startups awarded up to a combined $60,000</td>
</tr>
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</table>
COURPORATE 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.

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
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.

JOHNS HOPKINS TECHNOLOGY VENTURES

ventures.jhu.edu/year-in-brief-fy-2017