By the numbers
1 out of 5 disclosures in 2018 were affiliated with multiple colleges or institutes.

60 departments and units worked with OTM in 2018.
2018 DISCLOSURES BY INNOVATION TYPE

Note: the chart above represents 2018 disclosures by category and is not correlated to colleges or units. The charts at right show disclosures by category for a sampling of colleges & units, demonstrating the breadth of interdisciplinary research on campus.
Licenses & Options

- First Licenses to Start-Ups
- Educational and Nonprofit Institutions

- 2014: 6 licenses & options, 38 technologies transferred
- 2015: 10 licenses & options, 32 technologies transferred
- 2016: 8 licenses & options, 44 technologies transferred
- 2017: 5 licenses & options, 50 technologies transferred
- 2018: 7 licenses & options, 45 technologies transferred

92 technologies transferred as a result of these 45 licenses & options.

10 products or services based on University intellectual property became available for commercial use in 2017 (the most recent year for which data is available). They include an animal vaccine, visualizations of space, research tools, and a trombone mouthpiece.

2018 Licenses & Options by Company Type

- 17 Existing Companies
- 17 Start-Ups
- 6 Educational and Nonprofit Institutions
- 5 Sponsored Research
In 2017, start-up and spin-off companies related to the U of I System generated $678.9 million in added income for the Illinois economy. (source: Economic Modeling Specialists Intl.)
2018 FIRST LICENSES TO START-UPS

BassInSight, Inc.
Allowing fishermen to visualize how their lures appear to largemouth bass with the smartphone app BassVision™. Founded by Becky Fuller from the College of LAS; the company is located in Urbana, Illinois.

EarthSense
Automating data collection and analytics for plant scientists and crop breeders with TerraSentia, a teachable crop-phenotyping robot. Co-founded by Girish Chowdhary from the College of ACES; the company is located in the EnterpriseWorks incubator.

Enduvo
Creating a virtual reality platform that enables immersive, one-on-one, 3D learning experiences. A start-up out of the College of Engineering, the University of Illinois College of Medicine at Peoria and OSF HealthCare; the company is located in Chicago, Illinois.

Innsight Technology
Translating novel ophthalmic devices from lab to clinic such as the OcuCheck, a hand-held, point-of-service device for detecting anterior ophthalmic injuries. Co-founded by Dipanjan Pan from the College of Engineering and the Carle Illinois College of Medicine and Leanne Labriola, a physician at Carle Foundation Hospital; the company is located in the EnterpriseWorks incubator.

Epicore Biosystems
Developing a wearable microfluidic analytics system that measures sweat biomarkers in real time. Based on research developed at Northwestern and the University of Illinois and co-founded by John Rogers, formerly with the College of Engineering. The company is located in Cambridge, Massachusetts.
Neurolux, Inc.
Developer of the first-ever fully-implantable optogenetics device for use in neuroscience research that is wireless, ultraminiaturized, and battery-free. Based on research developed at Washington University as well as the University of Illinois and co-founded by John Rogers and Tony Banks, formerly and currently with the College of Engineering respectively. The company is located in the EnterpriseWorks incubator.
neurolux.org

Shield & Star Training, Inc.
Creators of the “Three Minutes to Live” program which provides specific training to identify and prepare the public for active threat situations. Co-founded by Officer Brian Tison and Sergeant Aaron Landers from the University of Illinois Police Department; the company is located in Saint Joseph, Illinois.
shieldandstartraining.com

START-UP IMPACT

More than 56 start-ups are currently licensing IP from the University.

Of those, 42 are located in Illinois.
The University of Illinois System remains in the top 25 on the National Academy of Inventors’ list of Top 100 Worldwide Universities Granted US Utility Patents.

47% of U.S. patents issued in 2018 have been licensed or optioned.

Patent cost reimbursements were at a record high in 2018.
PARTNERSHIPS

Raising the Profile of University Innovations

In Fall 2017, OTM hosted the fifth Share the Vision research and start-up showcase highlighting innovations and companies at the intersection of engineering and medicine. The event was held on campus at the Krannert Center for the Performing Arts.

In Fall 2018, OTM helped launch Illinois Ignite, a research and start-up showcase held in Rosemont, Illinois and co-hosted with Northwestern, the University of Chicago, the University of Illinois at Chicago, and the Illinois Institute of Technology.

Working with State Partners

To further support regional economic development, OTM provides technology transfer services to the University of Illinois at Springfield, Illinois State University, the Illinois Mathematics & Science Academy (IMSA), and Carle Foundation Hospital.

Facilitating External Collaborations

In 2018, OTM helped negotiate IP management plans for the Bill & Melinda Gates Foundation’s $45 million grant renewal for Realizing Increased Photosynthetic Efficiency (RIPE) and for the Department of Energy’s $115 million grant for the Center for Advanced Bioenergy and Bioproducts Innovation (CABBI).
Revenue: $5,349,804

Patent Expense Reimbursement: $2,990,630

Net Available for Distribution: $3,623,100

Actual Distributions:
- Inventors & Creators: $643,590
- Colleges & Units: $1,101,420
- OTM Cost Recovery: $653,302

Note: “Actual Distributions” do not match the “Net Available for Distribution” in any one year because of the time lag between the date monies are received and the date actual distributions are made.

Top Three Revenue-Generating Technology Portfolios

**Stretchable Semiconductors:**
Stretchable, flexible and printable electronics.

**Cancer-Fighting Compounds:**
Small molecules with potential applications as therapeutics.

**Small Molecule Synthesis:**
Small molecules serving as substitutes for missing proteins to restore function.
## FISCAL 2018 SUMMARY

<table>
<thead>
<tr>
<th>College/Unit</th>
<th>Disclosures</th>
<th>U.S. Patent Applications Filed</th>
<th>U.S. Patents Issued</th>
<th>Licenses &amp; Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus Total</strong></td>
<td>201</td>
<td>240</td>
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<td>45</td>
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<tr>
<td>Agricultural, Consumer, and Environmental Sciences</td>
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<td>Beckman Institute for Advanced Science &amp; Technology</td>
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<tr>
<td>Carl R. Woese Institute for Genomic Biology</td>
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<td>National Center for Supercomputing Applications</td>
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<tr>
<td>Veterinary Medicine</td>
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<td>3</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Due to the large amount of interdisciplinary research on campus, inventions are often associated with more than one college or unit. As a result, the numbers reported in the table above may be counted multiple times, once for each associated college or unit.
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