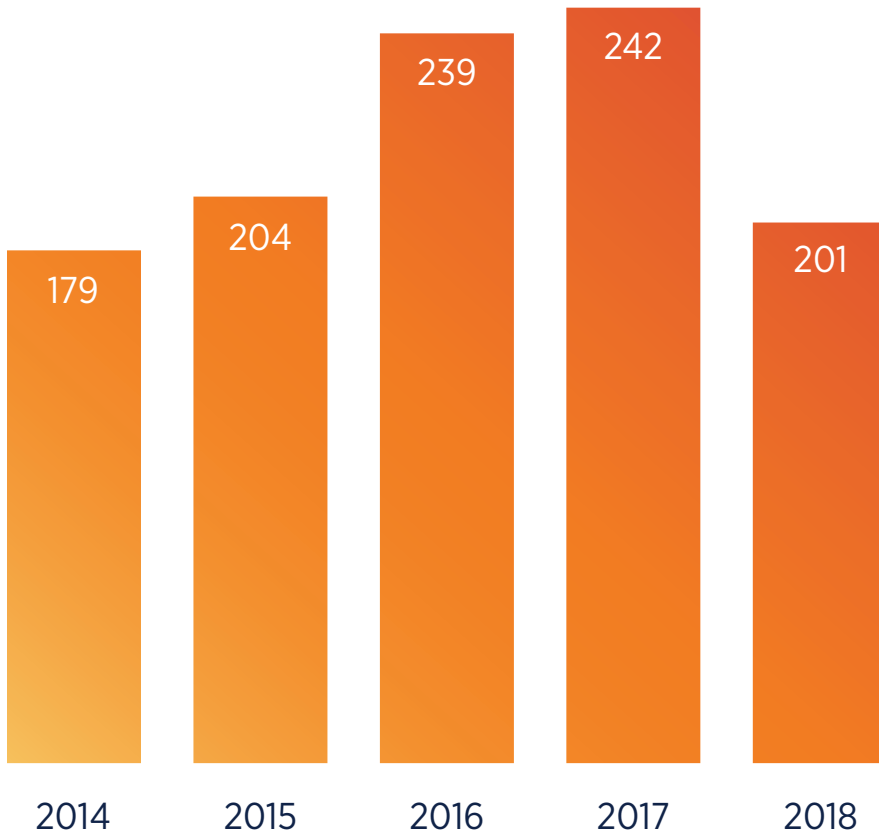

OFFICE OF TECHNOLOGY MANAGEMENT
FISCAL 2018 ANNUAL REPORT

By the
numbers

DISCLOSURES

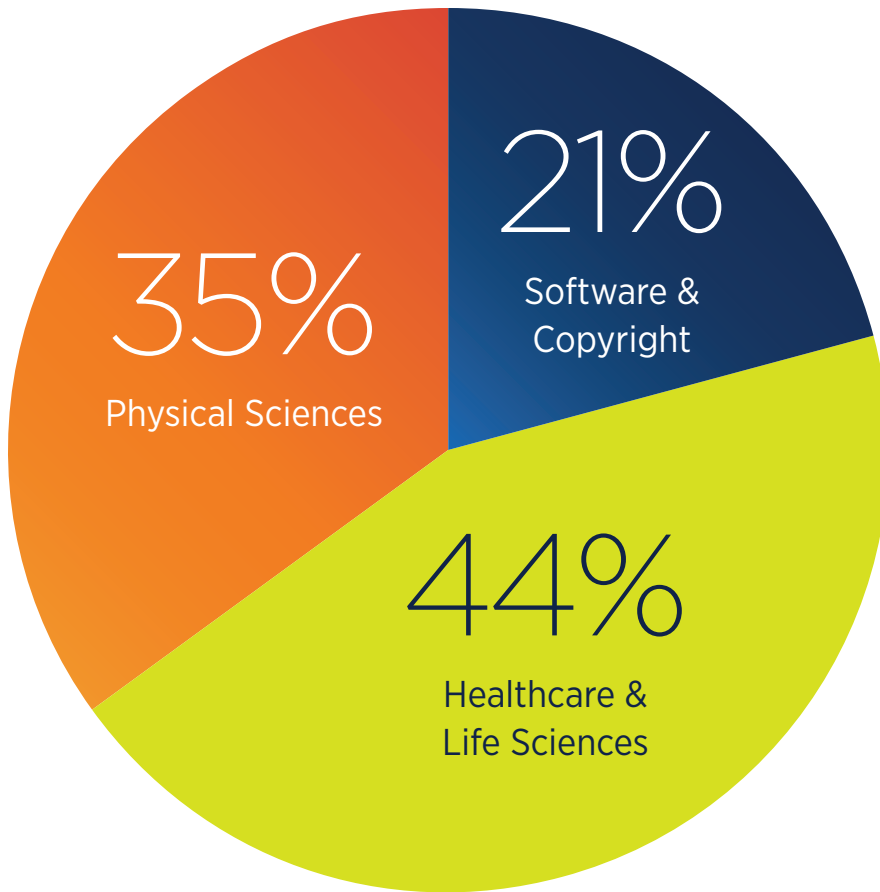


1 out
of 5
disclosures
in 2018 were
affiliated
with multiple
colleges or
institutes.

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.

College of ACES



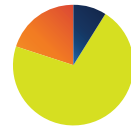
Beckman Institute for Advanced Science & Technology



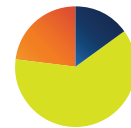
College of Engineering



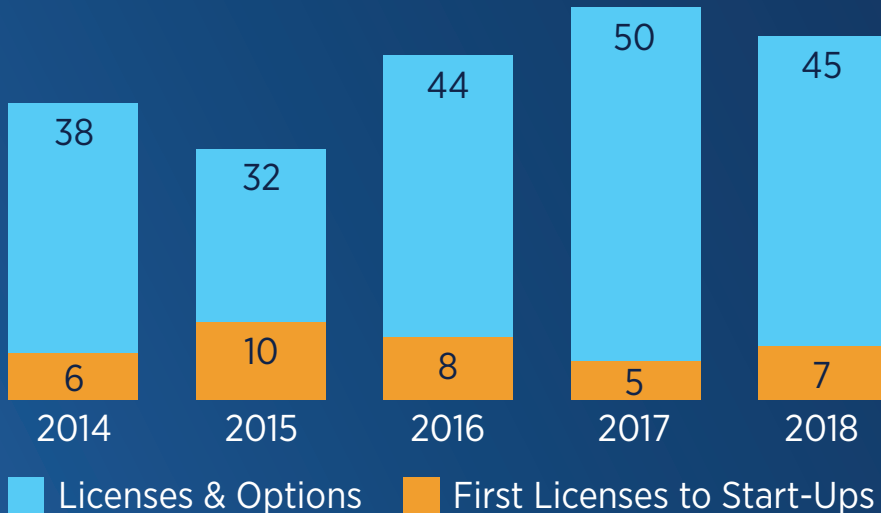
College of Liberal Arts & Sciences



Woese Institute for Genomic Biology



LICENSES & OPTIONS



92

technologies transferred as a result of these 45 licenses & options

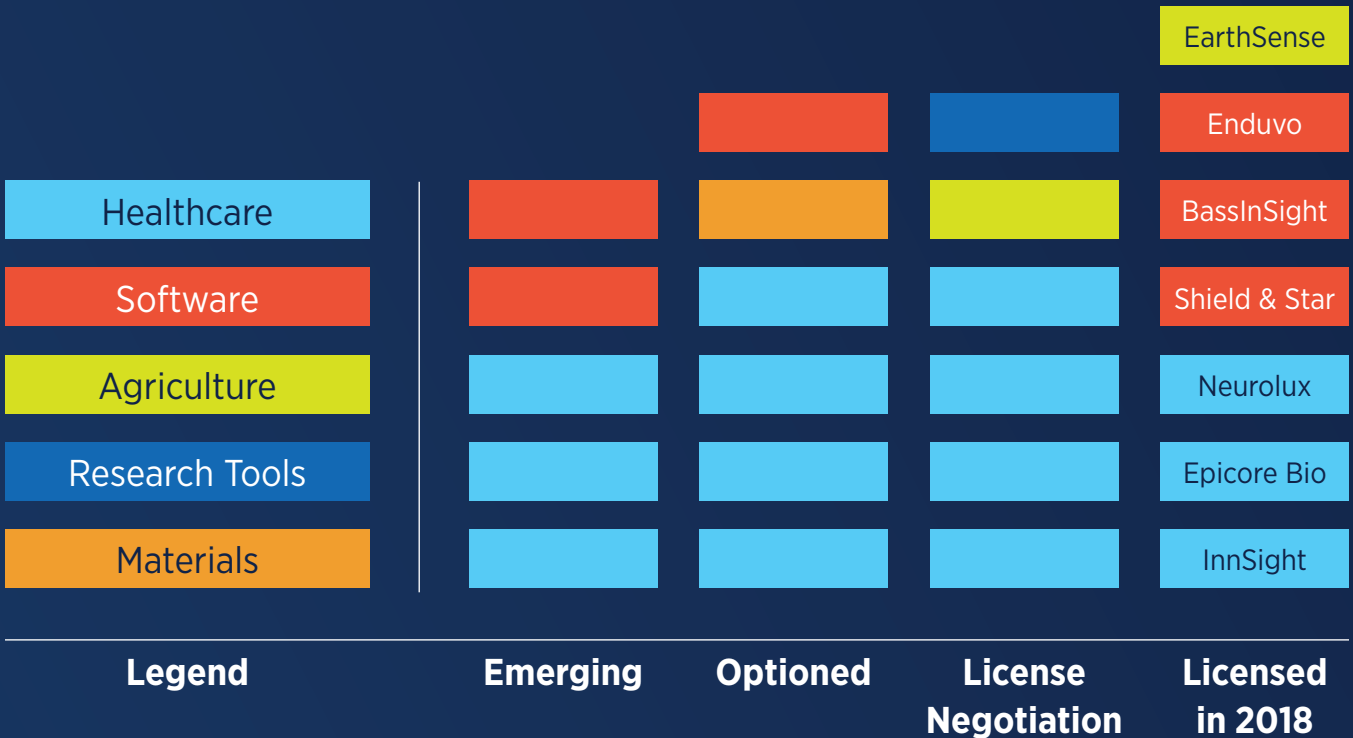
10

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



PIPELINE OF EMERGING START-UPS



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.

earthsense.co

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.

enduvo.com

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.

epicorebiosystems.com

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.

innsighttech.com

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.

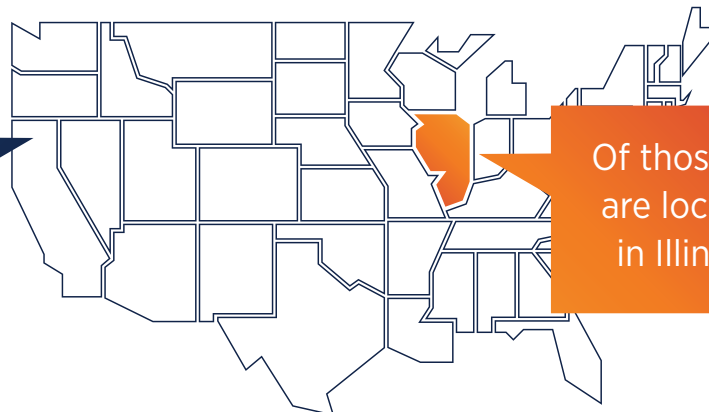
shieldandstartraining.com

10 TOP

Pitchbook's 2018 Universities Report places the University of Illinois at Urbana-Champaign in the top 10 for producing VC-backed entrepreneurs.

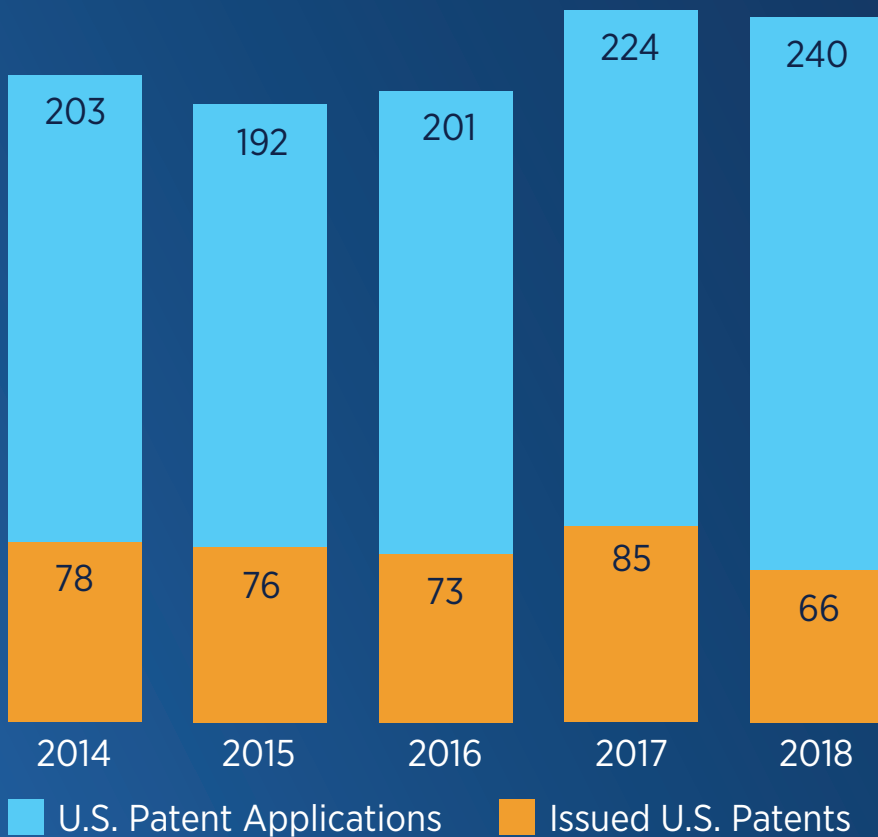
START-UP IMPACT

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



Of those, **42** are located in Illinois.

PATENTS



#24

Nationally
Ranked

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.

\$2,990,630

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.

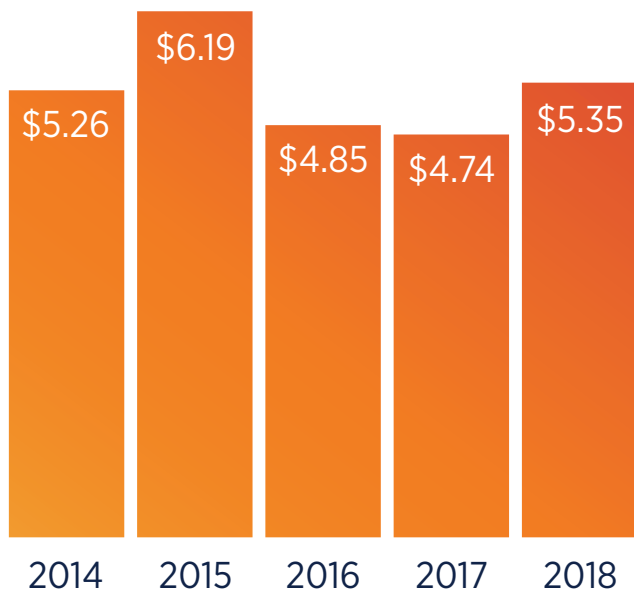


Facilitating External Collaborations

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

(in millions)



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

College/Unit	Disclosures	U.S. Patent Applications Filed	U.S. Patents Issued	Licenses & Options
Campus Total	201	240	66	45
Agricultural, Consumer, and Environmental Sciences	19	12	2	9
Applied Health Sciences	1	1		
Beckman Institute for Advanced Science & Technology	17	19	14	3
Carl R. Woese Institute for Genomic Biology	15	11	4	1
Carle-Illinois College of Medicine	2	2		
Education	3			
Engineering	123	156	41	18
Fine & Applied Arts	2			
Law	3			
Liberal Arts & Sciences	46	74	24	13
National Center for Supercomputing Applications	7	2		2
Veterinary Medicine	8	3	1	1

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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