

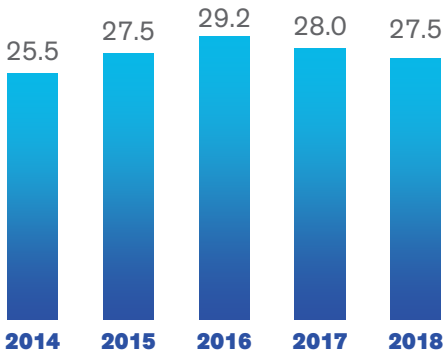
# UIC Technology Management Impact Report FY19

Moving Ideas from the Mind to the Marketplace.

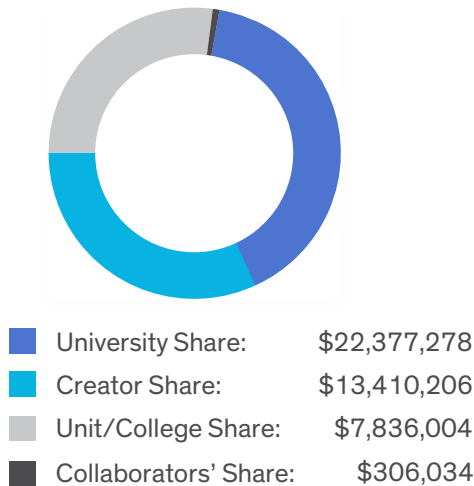
## \$44,117,533 July 2018-June 2019

License Income Earned

### License Income (\$ Millions)



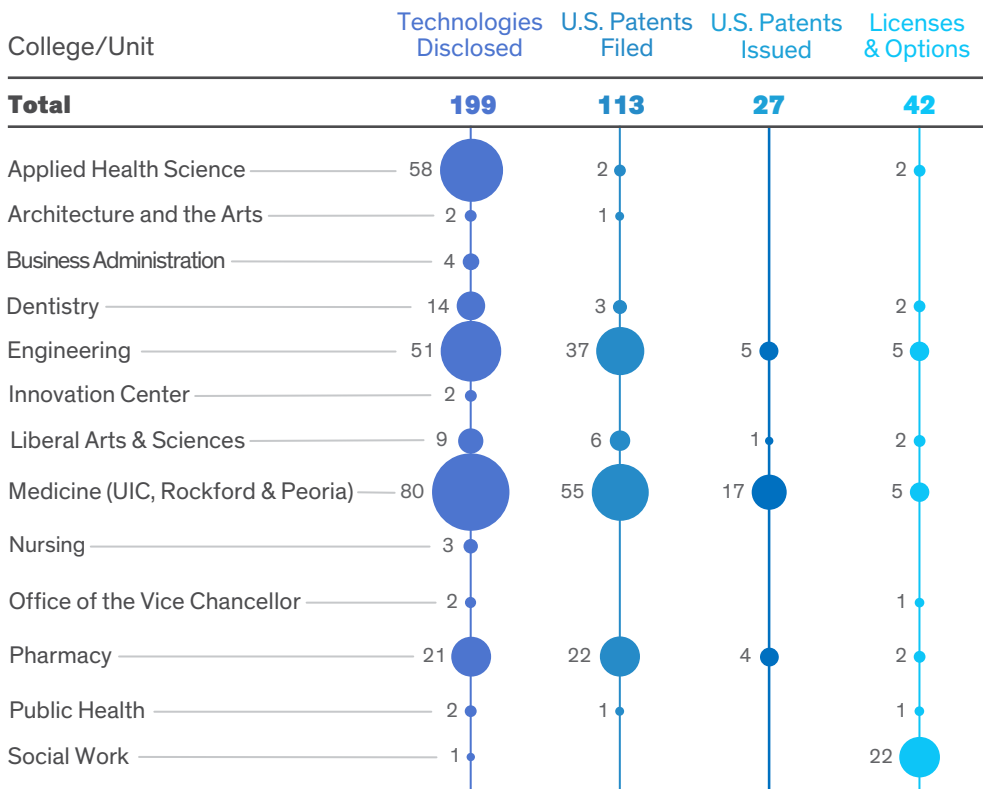
### Income Distribution



For Distribution: \$26,956,549  
Patent Reimbursement: \$790,807

*Note: Distributions may not match license income received due to the time lag between the date income is received and the date distributed.*

## Innovation Snapshot



*Note: Campus research is interdisciplinary; technologies can be associated with multiple colleges.*

## Impact & Innovation

**313** Active Licenses

**425** Total Issued Patents

**146** Worldwide

**279** U.S.

**34** Total Active Startups

**17** Startups in Illinois

**\$18.5M+** Raised by UIC Start-ups in FY 18

## Top 3 Income Revenue Technologies

### 1 - Prezista

A retroviral therapeutic; the first to treat multi-drug resistant HIV.

### 2 - Shingrix

A new, FDA approved shingles vaccine with 90% effectiveness.

### 3 - Tice BCG

The top non-invasive bladder cancer treatment and prophylaxis.

## Inventor of the Year

**Terry Vanden Hoek**  
Department of Emergency Medicine

**UIC TECHNOLOGY MANAGEMENT**

# SBIR/STTR

## Total Funding

\$8,661,589.00

**11**  
STTR Awarded

**10**  
SBIR Awarded

# SBIR/STTR

## Recipients

Avanti Biosciences, Inc.  
Yaso Therapeutics  
Starwise (fka Vela Therapeutics)  
Enzyme By Design  
Nano Biotherapeutics

**3**

Startups founded  
in FY19

## Social Impact at UIC

See how our research is impacting society

**CURE Violence:** A teaching and training NGO focused on a health approach to violence prevention. It is ranked the 9th NGO in the world and reduces violence by up to 70%.

**DEEP:** A diabetes self-management curriculum, has more than 2800 trained educators and > 180 non-exclusive licensees and is nationally acknowledged by CMS and the ADA.

**ENGAGE-IL:** An online accredited platform offering geriatric care education including a mobile app for caregivers with over 29,000 downloads in 12 countries.

**Fit&Strong:** An evidence-based osteoarthritis evidence-based fitness/intervention program. It has been licensed in over 100 sites, across 32 states, and to-date has reached over 10,000 participants.

## Chicago Biomedical Consortium (CBC) Funded Catalyst Awards

Round 26 (Fall 2019)

PI: Leslyn Hanakahi (UIC) and Stephen Kron (UChicago):

Leveraging DNA Repair to Enhance CRISPR Genome Editing

## Funded Accelerator Awards

Round 2 (Fall 2018)

PI: Shiva Shahrara (UIC):

Establishing a Novel Therapy for RA Patients

PI: Terry Vanden Hoek (UIC):

Novel PHLPP Peptide for Asystole/PEA Resuscitation

PI: Gregory Thatcher (UIC):

A Novel BET Inhibitor for Breast Cancer Combination Therapy

## Chancellor's Translational Research Initiative (CTRI) Awardees

Dr. Amelia Bartholomew

Department of Surgery

miRNAs for the Induction of Biostasis and Tissue Preservation

Dr. Liaohai Chen

Department of Surgery

An activable imaging probe to differentiate uterine leiomyosarcoma from benign leiomyomas

Dr. Jayhyung Cho

Department of Pharmacology Development of novel inhibitors blocking platelet-neutrophil interactions in thromboinflammatory disease

Dr. Xiaping Du

Department of Pharmacology

Selective targeting a selective glucose transporter isoform for treating diabetic thrombotic complications

Dr. Ramaswamy Kalyanasundaram

CTRI Awardee, Department of Biomedical Sciences Repurposing LFguard™ vaccine for prophylaxis against heartworm infections in dogs

Dr. Xue-Jun Li

Department of Biomedical Sciences Reprogramming IPSCS into functional neural cells using DPP as a signaling molecule: implications in rescuing

Awardee

Department of Anesthesiology & Pharmacology CCR10 Binding Domain Peptide(s) for Improving Skin Wound Healing in Diabetic Subjects

Dr. Hyung-Geun Moon

Department of Medicine, Pulmonary Division

Novel therapeutic approach for neutrophilic asthma

Dr. Reza Shahbazian-Yassar

Department of Mechanical and Industrial Engineering

High Entropy Metal Oxides for Removal of Heavy Metal Ions in Capacitive Deionization

Dr. Tolou Shokuhfar

Department of Bioengineering

Drug-free Chemically Stable Non-Irradiated 2D Black Phosphorus with Immediate and Lasting Antimicrobial Properties

## UIC Chancellor's Innovation Fund - Proof of Concept (POC)

2018 Fall Phase II

Rui Xiong & Gregory Thatcher Pharmacy

Novel Oral Treatment for Metastatic ER+ Breast Cancer

Arnon Lavie

Medicine

TRAIL-Asparaginase Fusion Protein as a Novel Pancreatic Cancer Therapeutic

2018 Fall Phase I

Bin He

Medicine

Oncolytic Immunotherapy of Cancer

Sangeetha Madhavan

Applied Health Science

SMART Ankle-foot Motion Tracker Device for Neurorehabilitation

Ajay Maker

Medicine

A Novel Single Platform Screening Test for Early Stage Pancreatic Cancer

Tivedi & Thulabandula

Engineering

Delivering Robust, Real-time Artificial Intelligence (AI)

Sandeep Jain

Medicine

Treatment of Citrullination-related Eye Diseases

Mark Rosenblatt

Medicine

Intraocular Display Projector for Corneal Blindness

## Technology Pipeline

### Therapeutics & Vaccines

