

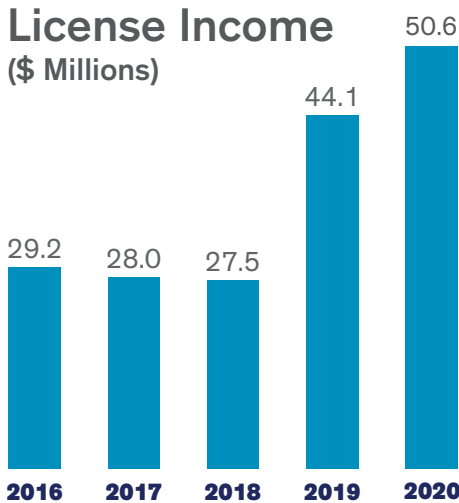
University of Illinois at Chicago Office of Technology Management (OTM)

Igniting Innovation and Commercialization

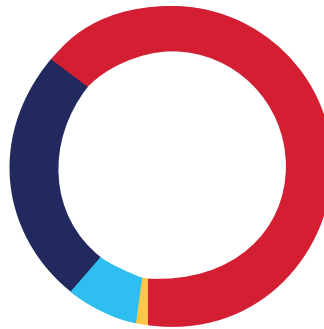
Impact Report FY20

July 2019 - June 2020

License Income (\$ Millions)



Income Distribution



University Share:	\$32,210,196
Creator Share:	\$13,363,780
Unit/College Share:	\$4,568,304
Collaborators' Share:	\$32,529

Total Revenue: \$50,645,357
Patent Reimbursement: \$546,177

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

College/Unit	Technologies Disclosed	U.S. Patents Filed	U.S. Patents Issued	Licenses & Options
Total	186	71	21	48
Applied Health Science	15	2		
Architecture and the Arts	14			1
Dentistry	7	1		
Engineering	66	23	5	3
Innovation Center	15	1		
Liberal Arts & Sciences	9	1	1	2
Medicine (UIC, Rockford & Peoria)	82	42	10	9
Nursing	25	1		
Pharmacy	15	9	5	3
Public Health	6	1		3
Social Work				33

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

\$50,645,357

License Income Earned

Top 3 Innovations by License Income

Prezista, HIV Treatment

ShingRx, Shingles Vaccine

Tice BCG, Bladder Cancer Therapy

Licenses

289 Active Licenses

Patents

580 Total Issued Patents

=

279 Non U.S.

+

301 U.S.

Startups

26 SBIR/STTR Awards

4 New Startups Formed

\$12 M+ SBIR/STTR Funding

\$29 M+ Seed and Venture Capital Funding

Inventor of the Year

Dr. Bellur S. Prabhakar

Department of Microbiology and Immunology

Office Highlights

Ready-to-sign Licenses

OTM implemented click licenses in order to streamline the licensing process and quickly make copyrighted materials that have high social value available. Click licensing allows us to reach the customer directly without the long negotiations usually required for such intellectual property licensing. To date, we have 85 licenses that have been purchased using our click licensing system.

Social Impact Research

Over the past year, the OTM has engaged with some of UIC's strongest high impact, social research programs to discuss how to effectively distribute these programs to the populations in need. Attendees shared methods and best practices for transitioning from the University to external community setting, as well as, funding strategies.

SBIR/ STTR

In Spring 2020, the OTM launched a pilot program to provide up to 10 hours of pre & post SBIR/STTR award consultation with an experienced consultant. The program will continue in FY21.

Startup Highlights

Featured Startup Company

Actuate Therapeutics raised \$28.2 Million in series B funding for their work on Glioblastoma Multiforme and Myelofibrosis.

SBIR/STTR Award Recipients:

Aqualung Therapeutics
Arsenal Medical
Avanti Biosciences
Capio Biosciences
Dupage Medical
Enzyme by Design
Nano Biotherapeutics
Pax Neurosciences
Senex Biotechnology
Starwise Therapeutics
Tango Biosciences
Yaso Therapeutics

Prestigious External Research Awards Received by UIC

Harrington Discovery Institute
COVID-19 Rapid Response Initiative
Yulia Komarova

Chiesi Farmaceutici S.p.A. Award
Anantha Harijith

Chancellor's Translational Research Initiative (CTRI)

Yannek Leiderman & Cristian Luciano

Image-Assisted Microsurgery

Ying Liu

Post-Surgical Implantation Of Polymeric Device For in vivo CART Cell Expansion And Release

Ankit Mehta

Proof Of Concept For Fenestrated Rod

Jenny Parvani

The Influence of Duffy Antigen Receptor For Chemokines (Darc) Expression On ATZ Response In Vivo

Shiva Shahraa

Identification of a TLR5 Monoclonal Antibody

Deepak Shukla & Tejabhiram Yadavalli

Drug Encapsulated Carbon (DECON): A Novel Platform For Enhanced Drug Delivery

Susan M Talamini

Novel Approach To Continuous Bladder Irrigation Based On Colorimetric Sensor For Patients With Hematuria To Prevent Clot Aggregation

Amit Ranjan Trivedi, Mathew Mathew, & Qian Xie

Smart Root Canal Needle Prototype And Validation On Bacterial Disinfection

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

Phase I

Ayman Al-Hendy

Molecular Bio-Imaging Probe for Non-Invasive Differentiation Between Human Uterine Leiomyoma versus Leiomyosarcoma.

Gang Cheng

Commercialization of high performance polyurethanes with anti-inflammation, anti-thrombosis and anti-infection properties.

Jaehyung Cho

Novel peptides inhibiting cell-cell aggregation and vascular occlusion in thromboinflammatory diseases.

Reza Shahbazian-Yassar

Graphene oxide membrane technology.

Phase II

Bin He

Oncolytic Immunotherapy of Cancer

Sangeetha Madhavan

SMART Ankle-foot Motion Tracker Device for Neurorehabilitation

Ajay Maker

A Novel Single Platform Screening Test for Early Stage Pancreatic Cancer

Sandeep Jain

Treatment of Citrullination-related Eye Diseases

Chicago Biomedical Consortium (CBC)

Accelerator Awards

Steven Ackerman & Vadim Gaponenko

Pre-Clinical Development of a Biased Antagonist of CCR3 for Allergic Diseases

Jeffrey Loeb

A Noninvasive MR Spectroscopic Method to Image the Human Epileptic Brain

Terry Vanden Hoek

Characterization of Toxicology and Pharmacokinetics of TAT-PHLPP Peptide

Brian Layden

Novel FFA3 Antagonist Development for Type 2 Diabetes

Arnon Lavie

Increasing the in-vivo Stability of L-Asparaginase Through Interactions with HSA

Catalyst Awards

Usha Raj (UIC) & Jeffrey Hubbell (UChicago)

Endothelium-Derived Extracellular Vesicles MicroRNAs and Pulmonary Hypertension

Soroush Tahmasebi (UIC) & Bryan Dickinson (UChicago)

Engineering Human Protein-Based mRNA Translational Controllers for Therapeutics

Ying Liu (UIC) & Bin Zhang (NU)

Injectable Reactor for Programmable Release of CAR T Cells to Solid Tumor

Nancy Freitag (UIC) & Peter Savage (UChicago)

Role of Regulatory T Cells in Preventing Autoimmunity During Infection

Jason McAnany (UIC), Peggy Mason (UChicago), & Clifton Ragsdale (UChicago)

Uncovering the Genetic Basis for a Cryptic Pan-Sensory Disorder

Therapeutic and Vaccine Pipeline

