

It is with great pleasure that I share Brandeis Innovation's Highlight Report for **fiscal year 2025**. This past year was truly remarkable, bringing to light many exciting new technologies and inventions from our creative and innovative students, faculty, and researchers.

This year was not only significant for our innovators, but also for our office, as we refined our focus and are proud to share our newly revised mission statement:

Brandeis Innovation empowers the Brandeis community—including faculty, researchers, students, and staff—to translate groundbreaking ideas into real-world impact. As the central hub for innovation and entrepreneurship, we provide comprehensive support from invention triage and intellectual property management, through strategic marketing and licensing of university technologies. We facilitate critical agreements, manage iEdison reporting to ensure Federal compliance, and educate the university community on intellectual property and technology commercialization. We cultivate the next generation of innovators through programs like Spark and by fostering translational research funding via the Sprout program. By also serving as a trusted internal resource for the Brandeis community, we nurture strategic alliances and maximize the societal and economic benefits of Brandeis discoveries, driving innovation from concept to sustainable impact.

This highlights booklet is a testament to that mission in action, showcasing the very discoveries and innovators we are proud to support.

This success would not be possible without the generous contributions of the many "friends of Brandeis Innovation" who donate their time, expertise, and resources to our efforts. I look forward to continuing to support the Brandeis community and bringing new technologies to market that can contribute to a better world.

Rajnish Kaushik, MBA, PhD
 Director of Licensing and Strategic Alliances



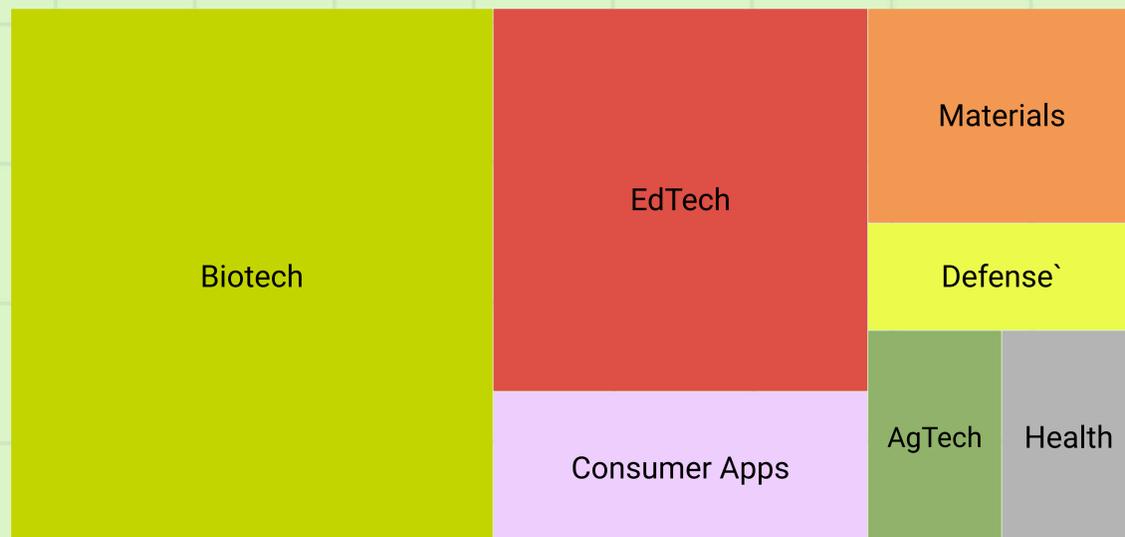
2025 Tech Transfer by the Numbers by the Numbers



	Invention Disclosures	55
	Patents Issued	18
	Material Transfer Agreements	229
	Licensing Income	\$140,647.81
	Non-Disclosure Agreements	17
	Active Licenses	65

Diverse Projects, Common Goals

In FY'25 Brandeis Innovation teams represented a cross-section of the fastest-growing sectors today:



During 2025, Brandeis Innovation engaged stakeholders with training, events and mentorship:



\$142,250
Grant Funds Disbursed

398
Mentorship & Staff Office Hours

872
Training Hours

62
Program Participants

91
Mentors



Celebrating the 2025 Spark, Sprout, and I-Corps Awardees

Brandeis University proudly recognizes the 2025 awardees across its Innovation ecosystem—Spark, Sprout, and I-Corps—programs designed to accelerate entrepreneurial ambition and scientific breakthroughs into real-world impact.

Spark: Student & Community Innovation

Spark supports entrepreneurial ventures from students, postdocs, faculty, and staff across Brandeis. This year's Spark awardees tackled refugee health, AI tech, edtech, and entertainment:

- **Bar Bets** - a risk-free sports betting experience that drives bar engagement and customer loyalty through social gameplay and rewards, supported by a scalable subscription model.
- **Master Learning Assessment (MLA)** - automated, mastery-based STEM assessment tools that help faculty improve retention and support foundational learning.
- **DermX** - mobile dermatology access for underserved regions using fast remote consultations and partnerships to reach healthcare deserts.

Sprout: High-Impact Scientific Ventures

Sprout funds commercializable bench research with the potential to transform health, technology, and sustainability:

- **PanG Inhibitors for Tuberculosis.** *PI: Liz Hedstrom*
- **circRNA Life-History Biomarkers.** *PI: Sebastian Kadener*
- **Hsp90 Inhibitor Drug Discovery.** *PI: Timothy Street*
- **New Molecular Therapeutics for Inflammatory Liver Disease.** *PI: Hao Xu*
- **CYPselect Precision CYP Inhibitors.** *PI: Tom Pochapsky*
- **Solar Thermal Batteries for EV Performance.** *PI: Grace Han*
- **Pheromone-Based Mosquito Biocontrol.** *PIs: Paul Garrity & Joanne Yew*
- **Cell Matrix Innovations in 3D Cell Culture.** *PI: Michael Norton*

I-Corps: From Lab to Marketplace

As a follow-on to Sprout, I-Corps teams validate market needs and commercialization pathways for scientific innovations.

Participants are drawn from Brandeis labs as well as undergraduate and graduate students across the campus:

- **cirCheck** – circRNA-based stress and aging markers. *Kadener Lab*
- **KnowledgeMap** – AI-guided STEM learning pathways. *Sarkar Lab*
- **HepTherapy** – novel therapeutics targeting liver inflammation. *H. Xu Lab*
- **Solar Heat Fuel** – solar-chargeable heat for off-grid resilience. *Han Lab*
- **NMRXertAI** – AI-powered 2D NMR peak prediction and annotation. *Hong Lab*

Together, these ventures showcase the creative courage and commitment to societal good that define Brandeis—turning discovery into solutions that meaningfully improve lives across the world.

