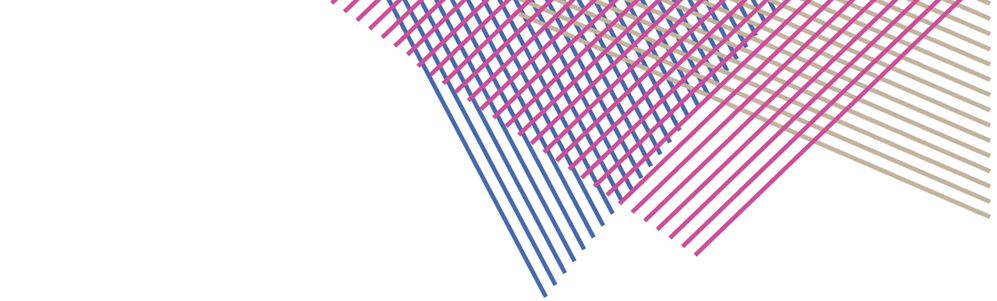
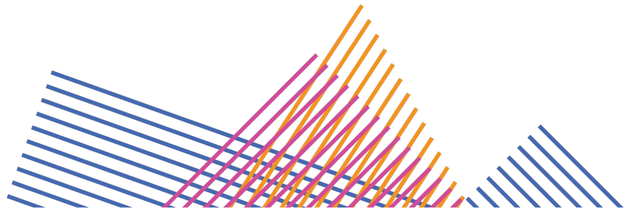


PKG Center for Social Impact



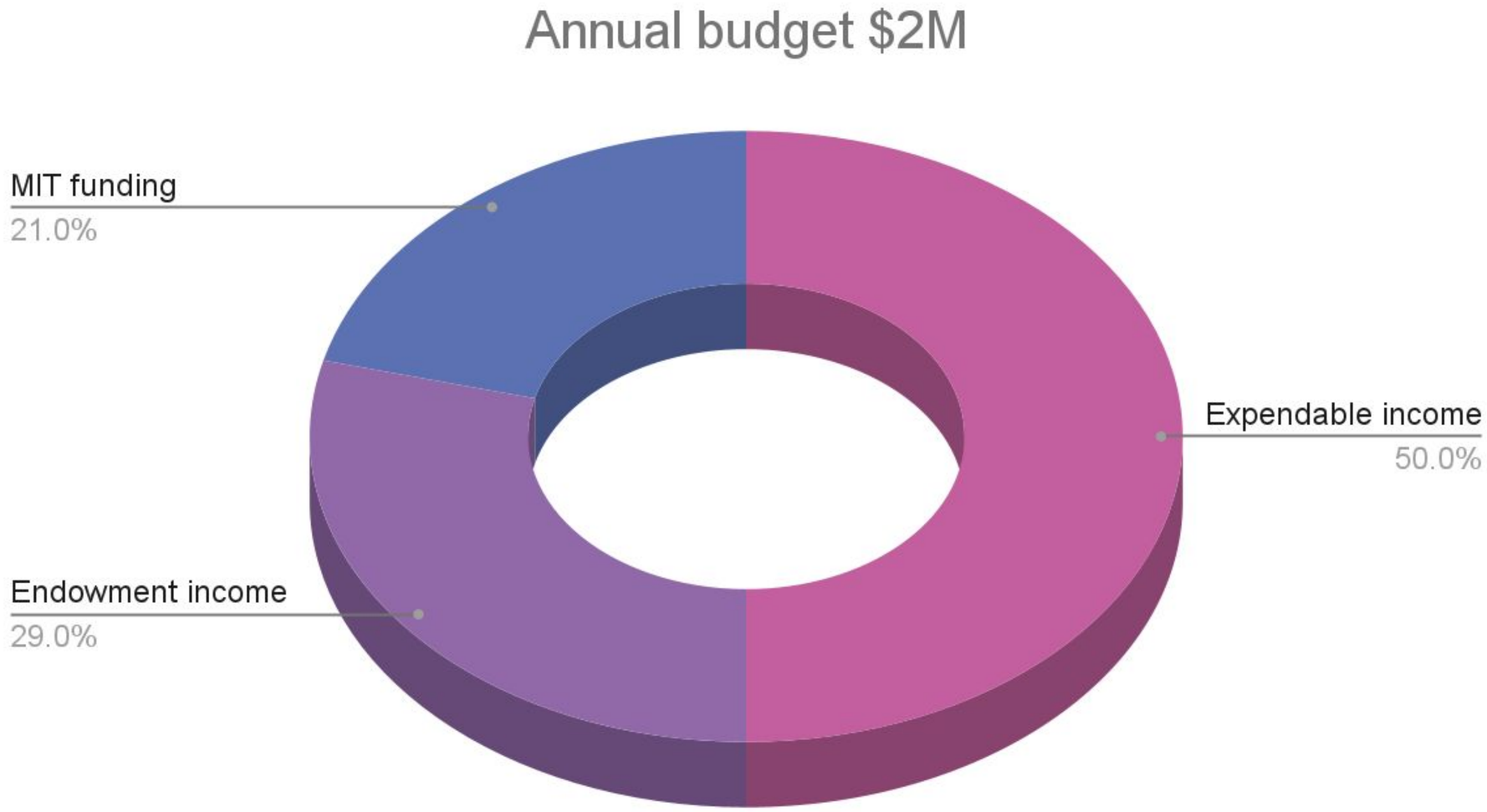
PKG Center for Social Impact

Strategic Plan

Fall 2025 - Summer 2028

Reengineering Social Impact Education at MIT

Expendable Donations 50% of PKG Budget



Origins

Founded

1988

MIT First Lady

Priscilla King Gray

Dean of Student Affairs

Shirley McBay

Mech. E Professor

Robert Mann

Name Change

From Public Service to Social Impact

Better reflects student projects	Diversity of academic disciplines	Professional contexts including industry

Issue Areas

From first-year undergraduates to late-stage PhD

Climate

Public Health

K-12 STEM Education

Public Interest Technology

PKG
Center for Social Impact

Expertise: Leveraging STEM for the Public Good

Experiential education at the confluence of engineering and humanistic disciplines

PKG | Social Impact Internships

PKG Center for Social Impact

7:1 demand

50:1 for PIT

Hundreds of students

Dozens of partners

PKG | Social Impact Internships

I’m really interested in the intersection between technology and the human experience. My internship at Justice Innovation Lab was my first time doing a lot of things. It was **my first time writing code for something that actually mattered** - outside of class and personal projects. It was my first foray into the intricacies of the justice system. And, it was my first time realizing that social advocacy was not as different from science as I’d thought.

Susan Hong ’27
Course 6-9

Cohort Programs: Intensive experiential learning

IAP Climate

State/local climate action plans with MITOS

IAP Health

Boston Medical Center/VA Boston/MIT Catalyst

IAP Indigenous Innovation

MIT Solve Indigenous Fellows

PKG | Fellowships

Student-led social impact projects since 1990

Climate

Developed “Ishara,” an app to manage plastic waste in Ghana by connecting all stakeholders in the value chain to low-touch, transparent recycling systems.

Public Health

Developed a TB treatment device, which evolved into Innovators in Health, a TB treatment, maternal and mental health NGO in rural India.

STEM Access

Developed the Tulsa Advanced Sciences Camp for Native youth

PKG | IDEAS
Social Innnovation Incubator

PKG Center for Social Impact

25 Years, est 2001

1,200 Teams

300 Enterprises

60 Countries

$1.3M Invested

Tackachar

Produces usable energy from waste products, including agricultural and urban waste, reducing carbon dioxide emissions. Deployed in Southern India, on the west coast of the US, and in British Columbia, Canada.

Won the $1 million Earthshot Prize

Forma Systems

Developed high-performance, low-carbon building systems using up to 72% less concrete and 67% less steel.

Won the $100,000 MIT Climate & Energy Prize.

Biobot Analytics

Analyzes wastewater to monitor the spread of respiratory illnesses and high-risk drug use, to predict disease outbreaks. Biobot was first to gauge virus levels of COVID-19 in wastewater, collaborating with the CDC.

*Named one of **Most Innovative Companies** by Fast Magazine, one of **Best Inventions** by Time. Completed **Y Combinator**.*

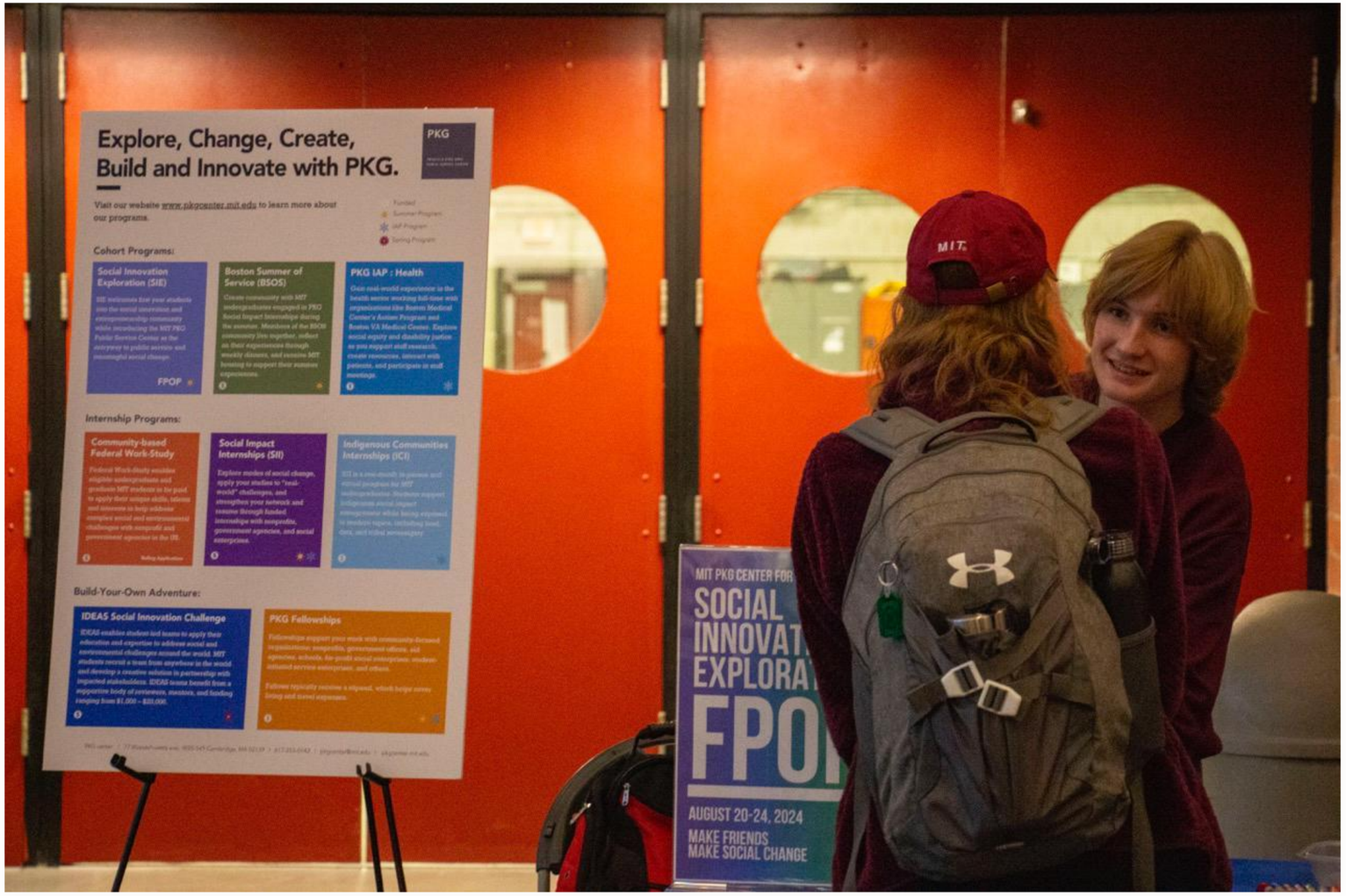
Value Proposition: What Makes PKG Different?

The PKG Center is the hub for experiential social impact education at MIT.

Turning theory into action, ethics into tactics

Revised Mission and *Vision* Statement

The PKG Center educates MIT students to address complex social and environmental challenges in collaboration with affected communities, ***empowering students to become agents of change for "the betterment of humankind."***



Positioning PKG for Sustainability & Growth

PKG Participation

320 students

85% received funding

30% graduate, 60% undergraduate

Growth target > 50/year

Objective 4.1

Thematic initiatives aligned with presidential priorities

Objective 4.2

Expand alumni engagement

Objective 4.3

Brand allegiance and community building

Objective 4.4

Foundation and corporate sponsorship

PKG | Code.Tulsa

Students learn from and support tech-based development in Tulsa

Interns with Native Nations, Urban Coders Guild, Black Tech Street
- *Data science, coding, AI projects*

Place-based education

Advanced STEM camp for Native youth
- *“Best educational experience”*
- *“Made me a better person”*

Academic year student employment
- AI workforce development

Patrick J. McGovern Foundation Funded

Integrates - Fellowship, Internship, Cohort, FWS

Aligns with - MITHIC, MGAIC, K-12 STEM

Funding Priorities

Turning AI Ethics Into Action

$225,000 for 3 years

$7,500 per student

IDEAS Social Innovation Incubator

$5,000- $20,000 sponsorship

$1.5 million endowment

Core: Climate, STEM, Health, PIT

$2,500, $7,500 per student

$125,000 per issue

Turning AI Ethics Into Action - $225,000 for 3 years

- AI for Social Impact internships (50:1 demand)
- Interdisciplinary Social Impact Strategy Course
  - **Sloan** Prof. Simon Johnson, *Power and Progress*
    - **HASS** - policy influence
    - **Media Lab** - public narrative
    - **DUSP** - community organizing, “countervailing powers”
- MITx Open Learning - internal and external reach
- Alumni AI social impact speaker series
- Complements SERC, AI Student Clubs

Budget - Turning AI Ethics into Action

$225,000/year for 3 years

- $150,000 - AI Social Impact Internships
- $50,000 - Staffing (course/program management)
- $25,000 - Speaking and event fees

PKG | IDEAS
Social Innnovation
Incubator

PKG
Center for Social Impact

MIT’s only entrepreneurship program focused solely on social impact

Endowing IDEAS student awards
$1.5 million

Showcase & Awards sponsorship
$5,000 - $20,000

25th Showcase & Awards
April 15, 6-8pm

Alumni volunteer opportunities
Mentor, Judge, Speaker

SamWise
2025 $20,000 Winner

An AI-powered oral assessment tool that provides personalized education for incarcerated students, overcoming outdated testing methods.

“Our team began the year motivated by a good idea, but IDEAS gave us the frameworks, mindset, and, more simply, the language to be effective collaborators with the communities we aim to serve.” - Blake Blaze

Lyme Alert
2024 $20,000 Winner

The first at home tick test for Lyme Disease

Named
Most Disruptive MBA Startup
by Poets & Quants

Elevating social impact in MIT’s entrepreneurship ecosystem

Helix
Closing the carbon cycle.

Helix Carbon builds technology that helps factories turn their own carbon emissions into useful products (chemicals) instead of pollution. Their machines do this on-site, without needing a separate carbon capture system. They’re starting with the steel industry, and may evolve to plastics.

We came to PKG IDEAS looking for help understanding our social impact. Reducing greenhouse gas emissions is critical, but we knew there was a broader social dimension we didn’t fully understand. **Who benefits from our solution- and who might be left out?** IDEAS helped us expand our lens and **think more deeply about the people behind the problem we’re trying to solve.**

- David Brown MBA ’25, co-founder of Helix Carbon

Climate Expendable Support - $125K, $7.5K/student

National Internships

Sophomore in Climate System Science and Engineering - Developed ML model for projecting effects of climate change on global crop viability for World Wildlife Fund.

Local Internships

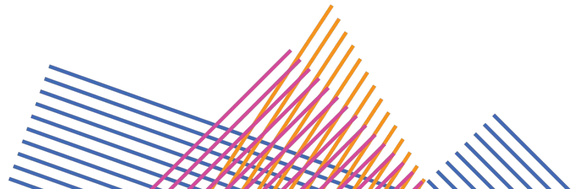
First-year in Physics and Math - Developed heat mitigation policy recommendations for the City of Cambridge and Boston.

Fellowships

Sophomore in Chemical-Biological Engineering - Developed Ishara, an app that connects plastic users and waste pickers directly to recycling companies in Ghana.

Social Enterprise

MBA - Launched “SOS Carbon” to mitigate massive seaweed blooms in the Caribbean by converting seaweed into organic fertilizer for sustainable farming.



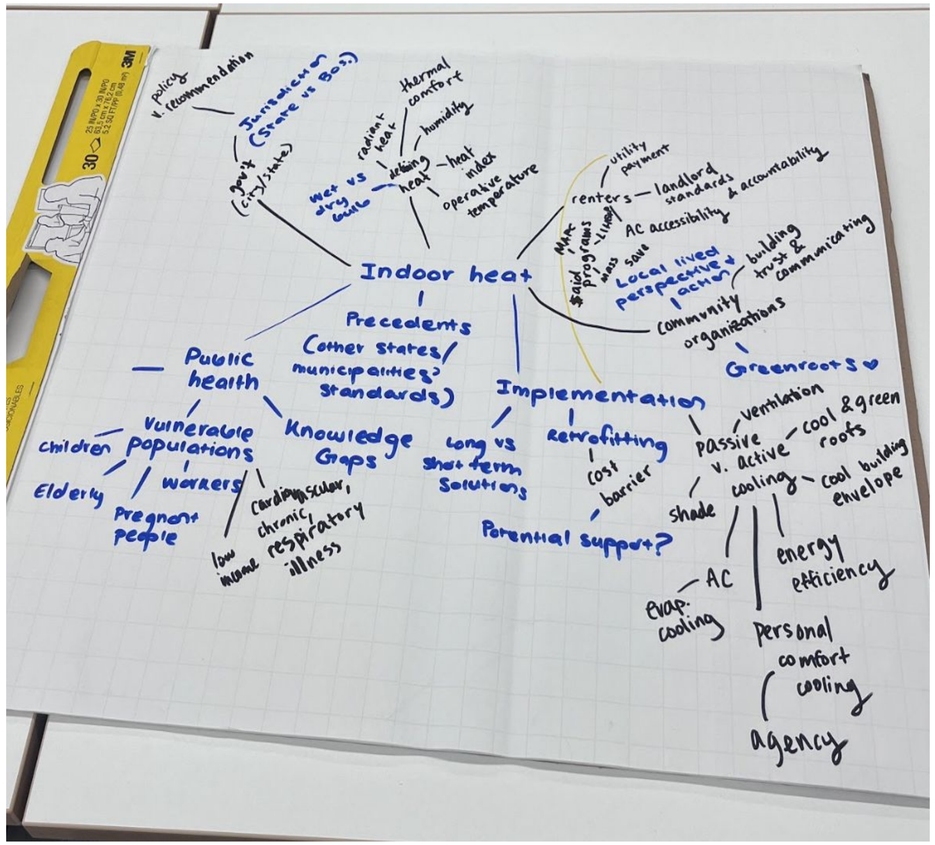
National Internship Climate Projects

Developed a **Machine Learning model for projecting the effects of climate change** on global crop viability and analyzing the opportunities to empower farmers for the World Wildlife Fund.

While I had anticipated focusing on technical modeling, I found myself researching policy recommendations to help WWF deliberately design equity into its AI architecture. The goal is to ensure that predictive tools do not only serve large agribusiness but also **protect the livelihoods of independent farmers around the world.**

- Andrew Voelsing, ‘27, Climate System Science and Engineering

Local Internship Climate Projects



Developed **heat mitigation policy recommendations** for the **City of Boston** Office of Climate Resiliency.

> **Municipalities … have the greatest ability and expertise to interact with the people on the ground but often the least resources to do so** … What I love about local organizing is that people have a connection to their work and a reason to stay motivated.
>
> - Xanthe Saalmann ‘28, Physics and Math

Fellowship Climate Projects

Reported on **climate change issues in the rural Midwest** for *Inside Climate News*, the nation's oldest and largest climate newsroom.

Multiple sources and readers have reached out to me to express their gratitude for telling their stories, which is really one of the best forms of direct feedback you can receive as a journalist. There is a strong sense of neglect in Iowa, where residents feel their best interests have been forsaken … **Reporting dedicated to their experiences is a source of hope.** The PKG fellowship was an incubator of my self-confidence and professionalism.

-Anika Jane Beamer '25, Master's candidate in Science Writing

Social Enterprise Climate Projects

SOS Carbon mitigates massive seaweed blooms in the Caribbean that harm marine life by converting seaweed into organic fertilizer for sustainable farming, *Co-founded by MBA candidate Andrés Bisonó León*

K-12 STEM Projects - $100K, $7.5K/student

Internships

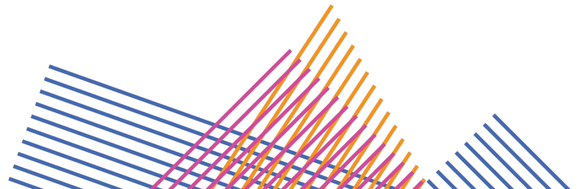
Junior in Electrical Engineering and CS - Designed project-based learning modules for the Urban Coders Guild, which provides free computer science education to underserved youth.

Social Enterprise

PhD candidate in Media Lab Personal Robots Group- Developed Liberatory Computing, a data activism curriculum and training program for youth.

Fellowships

Senior in Department of Urban Studies and Planning - Led Ghana Codes, a free 3-week residential algorithms camp academically promising high school juniors and seniors.



Health Projects - $100K, $7.5K/student

Internships

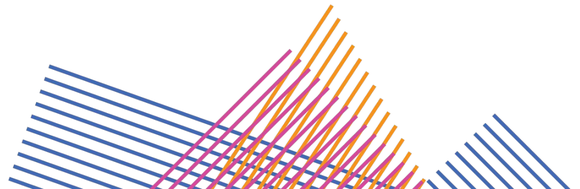
Senior in Computer Science and Molecular Biology - Supported the Resource Team of Boston Medical Center's Autism Program.

Social Enterprise

MBA candidate - Founded Precisia, empowering women with real-time, data-driven insights into their hormonal health through micro-needle patch technology.

Fellowships

Sloan PhD candidate - Founded End Overdose Boston and received the MIT Collier Award.



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