Temple University
Office of the Vice President for Research

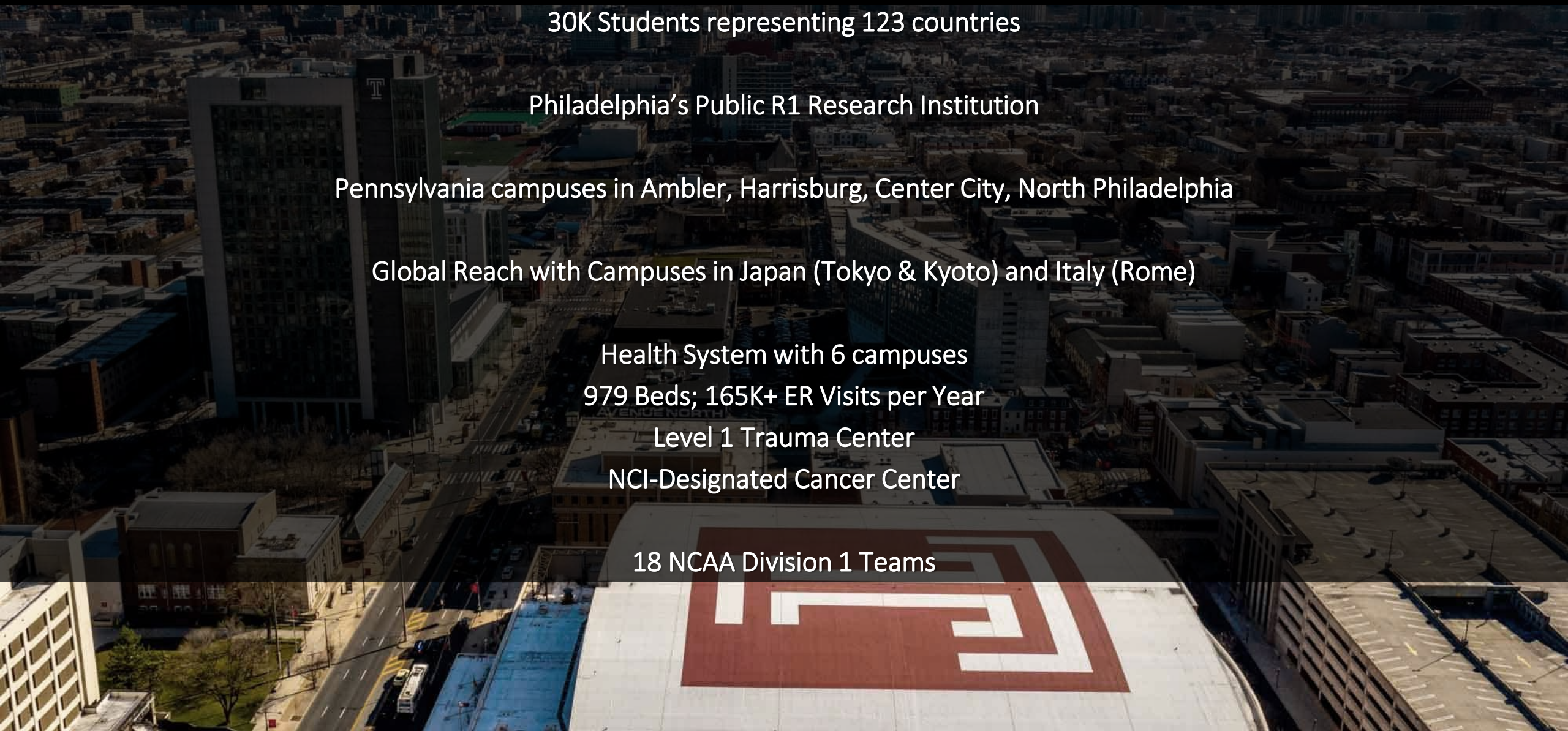
INNOVATIONNEST
AT TEMPLE UNIVERSITY



Research and Innovation

Discovery Takes Flight

Temple University
Forward with Purpose



30K Students representing 123 countries

Philadelphia's Public R1 Research Institution

Pennsylvania campuses in Ambler, Harrisburg, Center City, North Philadelphia

Global Reach with Campuses in Japan (Tokyo & Kyoto) and Italy (Rome)

Health System with 6 campuses
979 Beds; 165K+ ER Visits per Year
Level 1 Trauma Center
NCI-Designated Cancer Center

18 NCAA Division 1 Teams

Research Momentum

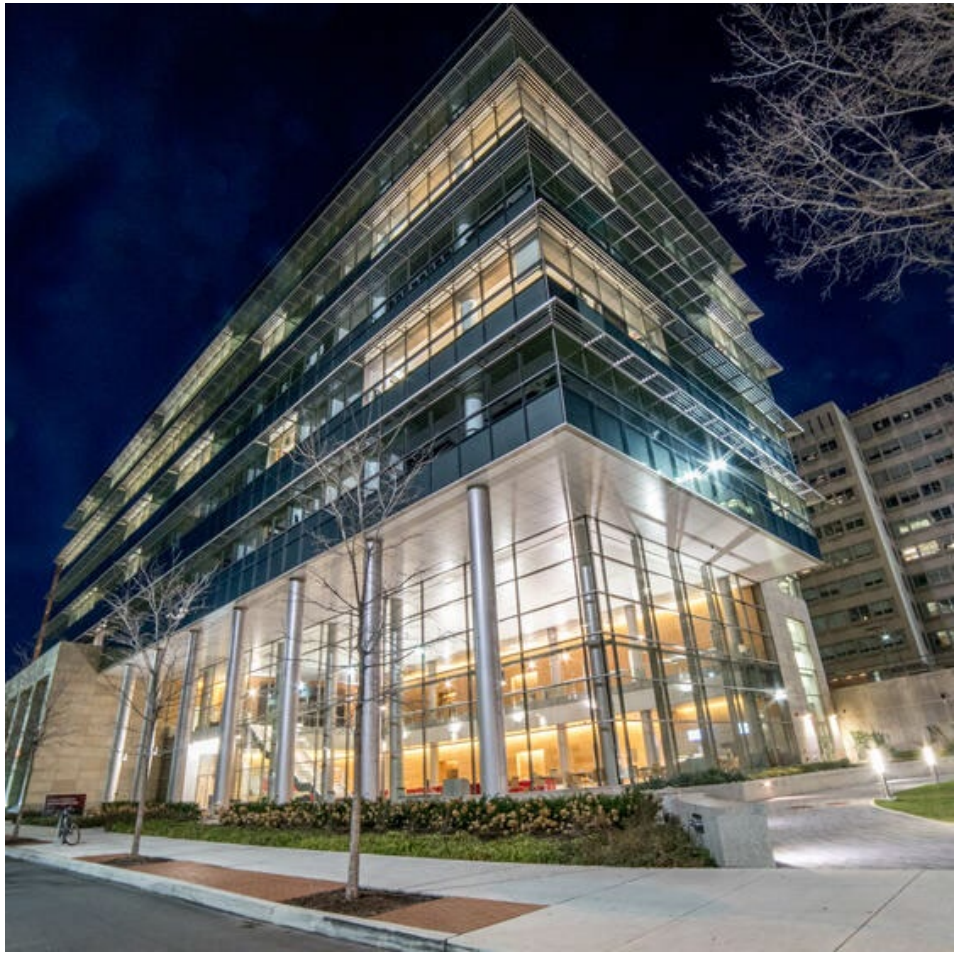
$314M in Research Expenditures (2024)

Carnegie 1 – Highest Research Activity

Top 15% in U.S. Based on Research Expenditures

#72 in U.S. for Public Institutions

4th Fastest Growing Research Institution in U.S. over 10-year period leading up to 2024



The Innovation Nest

Driving Innovation Growth

- Start your journey with concierge innovation and commercialization support
- Secure intellectual property protection, form companies, identify funding and establish partnerships in the Suite

Expanding Temple's Entrepreneurial Ecosystem

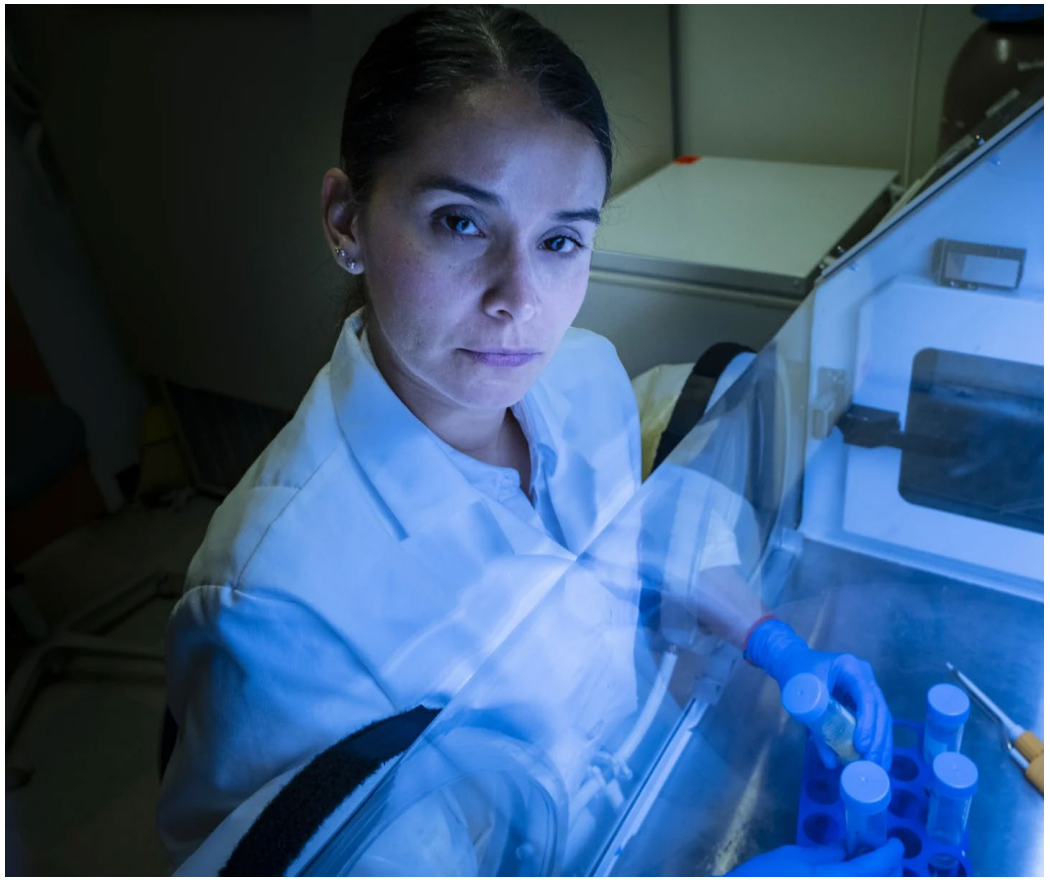
- Programs designed to educate our research community and engage industry stakeholders
- Multi-use venue featuring The Hatchery for smaller investment pitches and trainings
- Larger format option hosts up to 125 people with adjoining breakout rooms for technology showcases, or enjoy a cozy open forum on non-event days

Supporting Tech Acceleration and Business Incubation

- Leads Temple innovation advancement and startup development programs
- Home to spinouts and other Temple-connected businesses via a full-service incubation space
- Access dedicated office and hoteling space or simply become a flex member to reserve conference rooms for partnering and investment meetings
- Apply for access to research facilities, including two wet labs and spaces designed to support gene sequencing and high-performance computing

Driving Innovation Growth

Cure
63 Most Innovative Institution
2026



- NAI Top 100 for U.S. Patents (#83)

- 63rd in the Cure Innovation Index

- Commercialization Activity – Past 5 Years

  - 290 Inventions
  - 109 New Patents Filed
  - 21 Licenses-Options
  - 97 Awarded Patents
  - $210M in Startup Funding Raised
  - $12M in Funding to Temple from Startups
  - $2.6M in Lic Income



SPINOUT WINS

Thrombolex

NIH and Commonwealth of Pennsylvania investment in Temple (Lewis Katz School of Medicine) research powered medical device to help save 2,000+ lives.

Thrombolex recently raised $50M to expand sales of its devices.



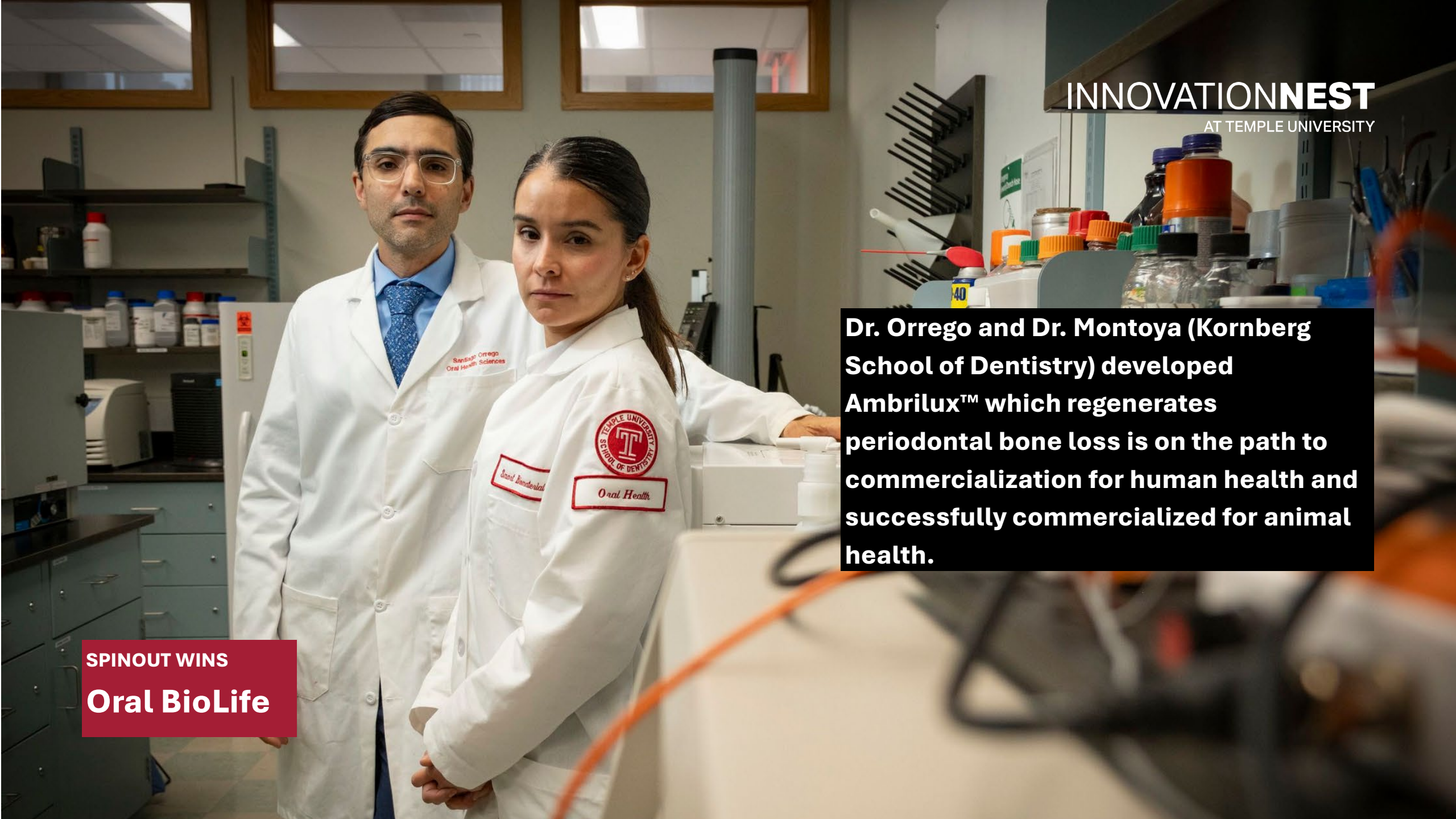
INNOVATIONNEST
AT TEMPLE UNIVERSITY

Dr. Schafmeister (College of Science and Technology) and Ladder Bio pioneer Spiroligomer™ therapeutics, a novel therapeutic modality for new medicines.

Ladder Bio recently raised $5.5M with support from the Temple commercialization team.

SPINOUT WINS

Ladder Bio



INNOVATIONNEST
AT TEMPLE UNIVERSITY

Dr. Orrego and Dr. Montoya (Kornberg School of Dentistry) developed Ambrilux™ which regenerates periodontal bone loss is on the path to commercialization for human health and successfully commercialized for animal health.

SPINOUT WINS

Oral BioLife

TempleMade Products

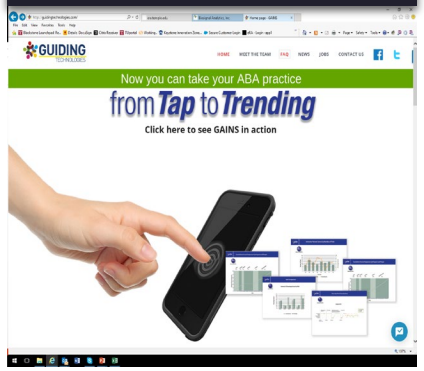
Insect Control based on pheromone attractant technology



Uniquely designed dental products

FISSUROTOMY
CONSERVATIVE PREPARATION & EXPLORATION BURS
PRACTICE INSPIRATION SWHITE

Virtual Learning and Development System



SafetyNet™ VR Device

Devices for Treating Clots

BASHIR™
endovascular catheter

Stronger Building Materials

SiVance
Chemistry... for Precision Performance

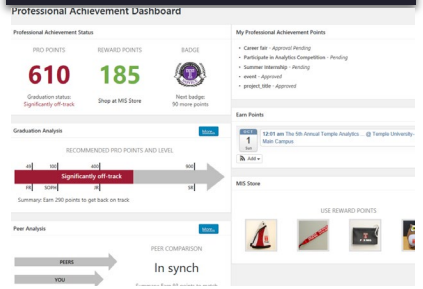
Smart materials for cavity removal



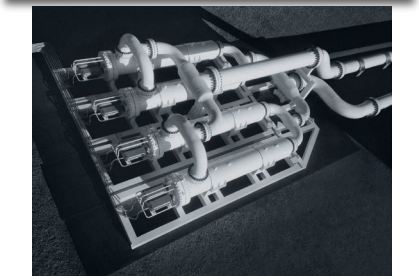
Diagnostic Test for Chronic Fatigue Syndrome

R E D
LABORATORIES

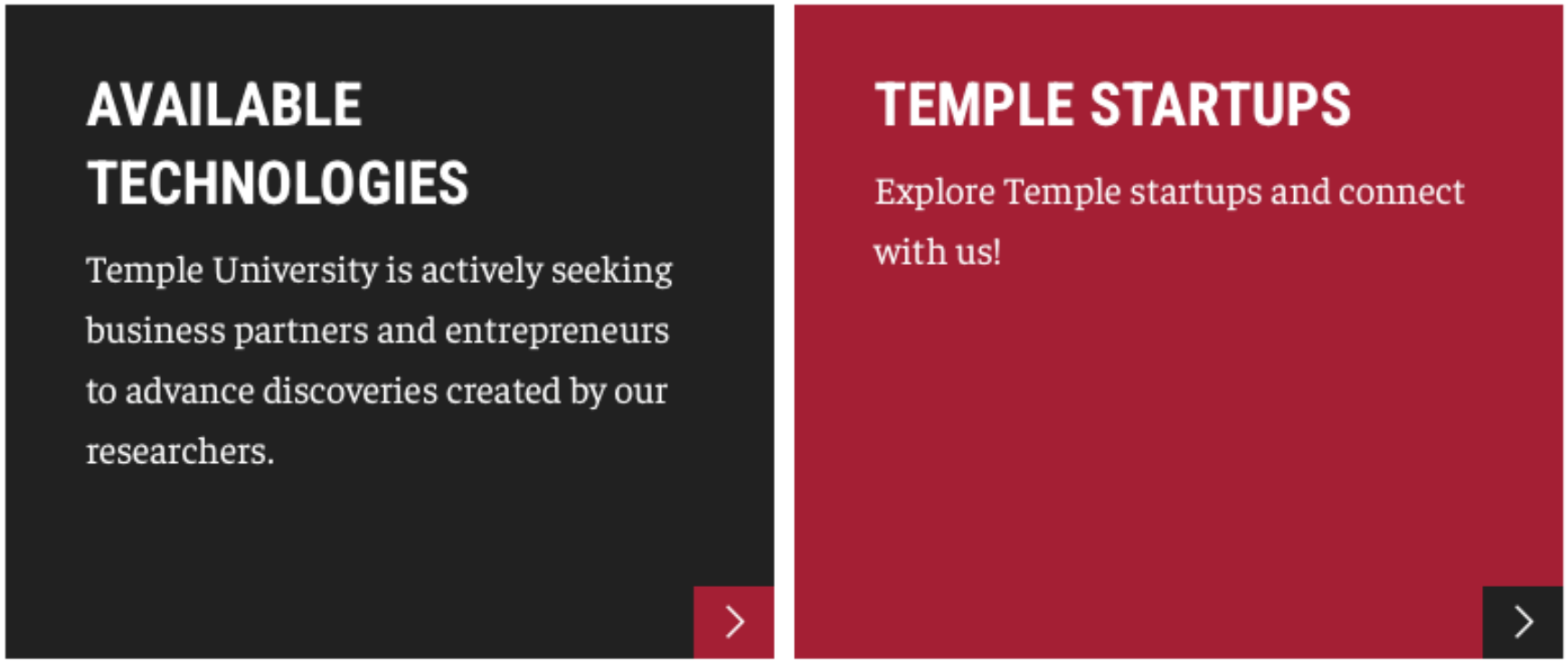
Ed Tech Platform for Professional Development



Oil Pipeline Device to Increase Flow Rate



Temple's Innovation Connector



research.temple.edu/innovation/resources-partners

Expanding Temple's Entrepreneurial Ecosystem

Education and Training

- Pre-Spinout/License: Seminars to learn about IP protection, commercialization and working with industry
- Startups: Workshops to prepare for investment and market positioning

Ecosystem Connectors

- Co-Working Wednesdays: Opens the space for coffee and conversations, often featuring an incubator member
- iTalks: Showcases the next generation of inventors/founders
- Power Lunches: Brings the community together for an innovation talk and interactive discussion

Partnered Events

- Community/Network Events: Networking events often in partnership with external organizations such as BioStrategy Partners, Philadelphia Alliance for Capital and Technology and Life Sciences PA

iNest Global

- International collaboration and education programs in partnership with Sbarro Health Research Organization
- International company support via the European Innovation Council (EIC), EU Invest, ENRICHers and HORIZON to support international mobility



The iNest partners with the City of Philadelphia and Pegasus Tech Ventures to host the largest startup competition in the world

INNOVATION**NEST**
AT TEMPLE UNIVERSITY

EVENTS @ iNEST

Startup World Cup


INNOVATIONNEST
AT TEMPLE UNIVERSITY
The iNest partners in a multi-institutional platform representing $2.5B in research expenditures to share best practices, educate innovators, and develop technology in partnership with industry.
BioStrategy PARTNERS
Practical Knowledge Series
From Cutbacks to Co-development: Surviving and Advancing Research in the Current Funding Landscape
September 2025
Thank you Sponsors
SAUL EWING
MVM ASSOCIATES
MENTUS
Max Lelu
Brian McVeigh, MBA, CPA, CMA, CLI
Nadea Levitt, MS
EVENTS @ iNEST
BioStrategy Partners



INNOVATIONNEST
AT TEMPLE UNIVERSITY

Convening discussions around best practices for advancing healthcare innovations.

GLOBAL ENGAGEMENTS

SingHealth Delegation

INNOVATIONNEST
AT TEMPLE UNIVERSITY

GLOBAL ENGAGEMENTS

UK Association of British HealthTech Industries

Temple's iNest sparks international partnership to advance diabetes care

Home › Temple's iNest sparks international partnership to advance diabetes care

Aug. 6, 2026

Collaboration between Temple researchers and U.K.-based Aide Health will bring an AI-powered support platform to patients with type 2 diabetes.



Janet Lee is leading a new project that was launched through a connection at Temple's Innovation Nest (iNest), a hub for researchers, entrepreneurs and industry partners.

Supporting Tech Acceleration and Business Incubation

Market Feasibility/Customer Discovery

- NSF I-Corps Hub Northeast Region

Technology Development

- VP for Research Innovation Flight Fund
- Commercially oriented funding opportunities (BioStrategy Partners/Fujirebio Diagnostics, CSL Behring)

Startup Founder Support and Mentorship

- Science Center Founders Fellowship: $50K stipend and 12-month program for life sciences entrepreneurs
- PACT's Mentor Connect partners entrepreneurs with teams of mentors

Investment Readiness

- Science Center Capital Readiness: Prepares startup founders for their first funding round
- LifeX Accelerator: 13-week immersive program for digital health, med device and therapeutic ventures

Investment and Non-Dilutive Funding

- Temple Ventures—Powered by Ben Franklin
- Mid Atlantic Diamond Ventures
- Partnered programs: BioAdvance, LifeX, Osage, Robin Hood Ventures, Delaware Crossing Investor Group
- In-house SBIR/STTR proposal guidance with micro grant support via Innovation Partnership


INNOVATIONNEST
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Led by Dr. Obeid (College of Engineering), the Temple NSF I-Corps program focuses on customer discovery and connects participants to federal resources. NSF I-Corps is a central iNest program that connects participants to incubator membership, MADV, Startup World Cup, and other opportunities.
SPINOUTS
NSF I-CORPS



INNOVATIONNEST
AT TEMPLE UNIVERSITY

Initially supported by the Manufacturing PA Innovation Program and now supported through the Innovation Flight Fund, Dr. Liu and PhD candidate Ray (College of Engineering) have developed a pickleball sound absorption barrier.

INNOVATION FLIGHT FUND TECHNOLOGY

Transparent Acoustic Absorbers for Pickleball Noise Mitigation



INNOVATIONNEST
AT TEMPLE UNIVERSITY

Dr. Orrego (Kornberg School of Dentistry) is pioneering TriboGlow electric toothbrush, incorporating triboelectric bristles. This self-powered whitening mechanism eliminates the need for chemical whitening agents, making the toothbrush a safer and more sustainable alternative to conventional whitening solutions.

INNOVATION FLIGHT FUND TECHNOLOGY

TriboGlow: A Toothbrush That Whitens During Brushing



INNOVATIONNEST
AT TEMPLE UNIVERSITY

STARTUPS

Mid-Atlantic Diamond Ventures

Founded at the Fox School of Business and now managed by the iNest, MADV connects innovators and investors in the Mid-Atlantic region to grow startups, foster collaboration, and fuel economic growth.

Innovation Nest: Incubate

Meeting & Event Space

- 3 conference rooms
- Café & Flex space
- Pitch presentation zone
- Open forum for pop-up meetings
- Large event showcases, 100+ attendees
- Parking availability

Office Space

- Dedicated offices, locking doors and cabinets
- Hoteling and co-working space
- High throughput computing space
- Virtual memberships available (shared resource use)

Lab Space

- **Dry labs**
- **2 wet labs with chemical hoods**
- **Cell culture rooms**
- **Clean room**
- **Gene sequencing facility**





TempleMade Startups

Valhalla Therapeutics

ExesaLibero Pharma

ACT

THROMBOLEX
INNOVATIVE ENDOVASCULAR CATHETERS

PRO

SFA Therapeutics

ALLYSTA

OralBiolife

AHERSLA HEALTH

Praeventix

rocket pharma

AVIX MEDICAL

PROPLEX Technologies

Melzi

LADDER BIO

QSENERGY

hge HEALTHCARE SOLUTIONS

UprightVR
Catch them *before* they fall

AACtive GAMING

Notes: HGE Healthcare acquired by Vapotherm, now merged with Veronica Holdings; Renovacor acquired by Rocket Pharma;

iNest Programs & Networks

BioStrategy PARTNERS

NSF I-Corps Hub Northeast Region

Innovation Flight Fund

Ben Franklin TECHNOLOGY PARTNERS

MADV

SBDC PENNSYLVANIA

LifeX

STARTUP WORLD CUP PEGASUS TECH VENTURES

PACT

LSPA Life Sciences Pennsylvania CONNECT · ADVOCATE · ADVANCE

CONSULAR CORPS ASSOCIATION PHILADELPHIA

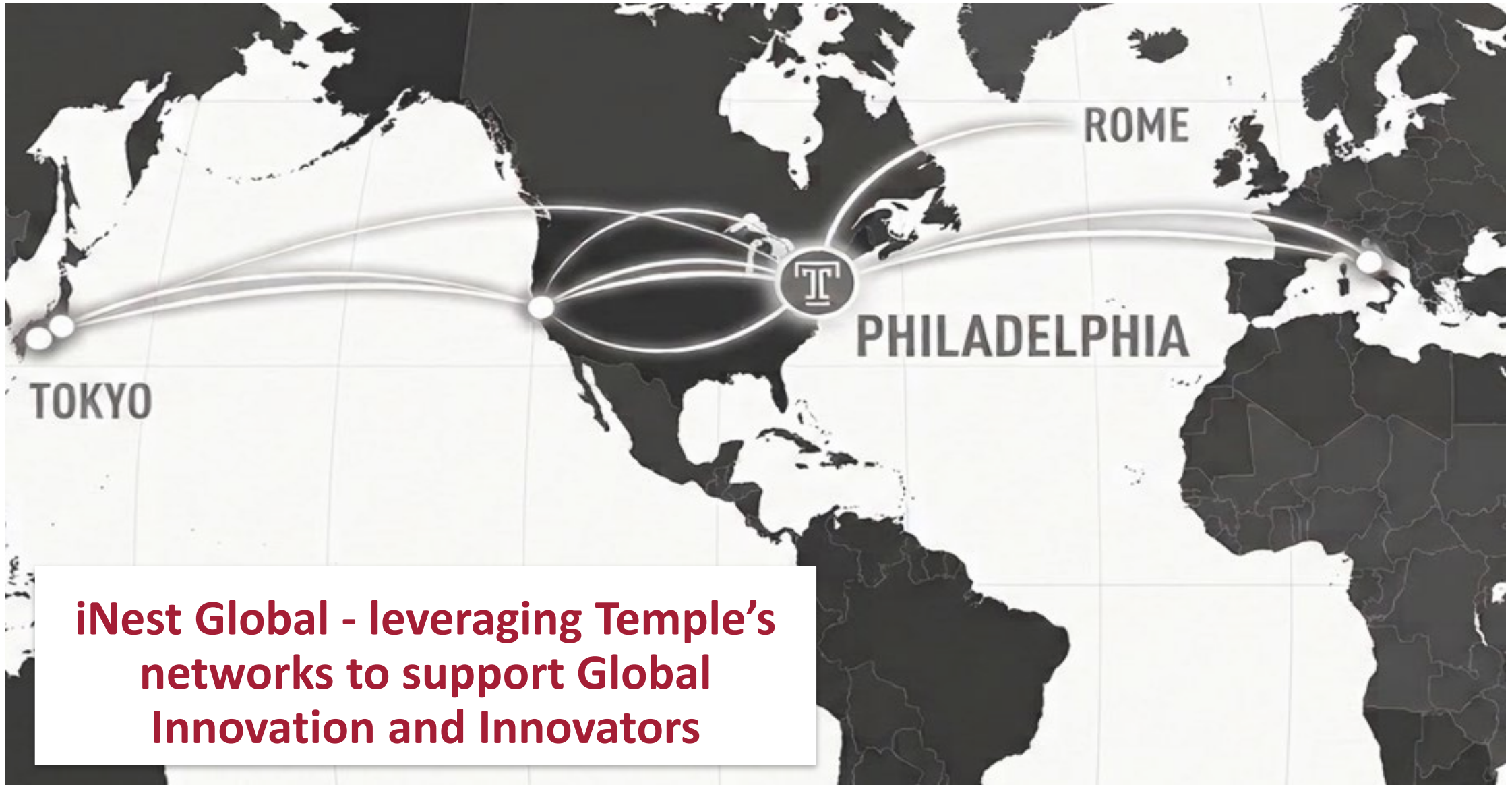
European Commission Horizon Europe 2021-2027

European Innovation Council

ENRICHERS

J.P. Morgan Annual healthcare conference

BIO International Convention The Global Event for Biotechnology



iNest Global - leveraging Temple's networks to support Global Innovation and Innovators

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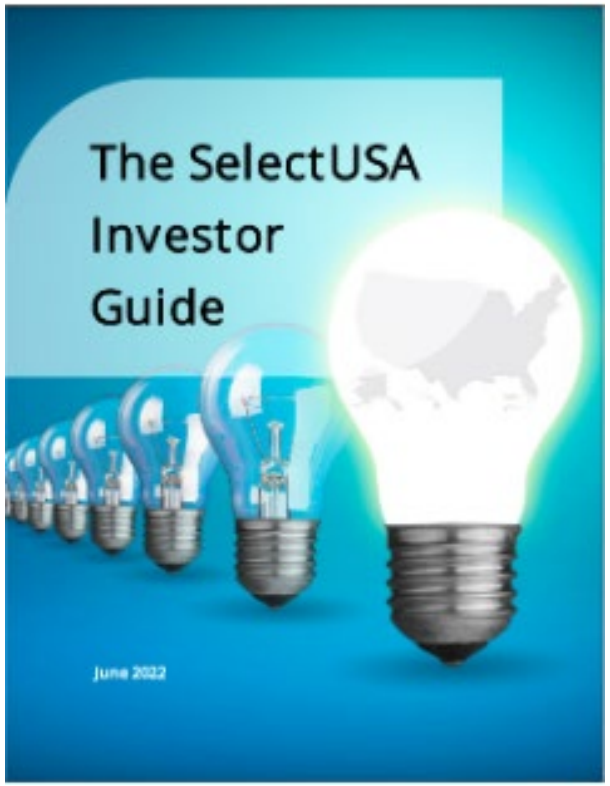
ENRICHers SoftLanding

www.enrichers.co

Partnering with U.S. Research Organization like Temple University to enter the U.S. market & softlanding

SELECT USA

ΣNRICHERS



Link - Investor Guide - Chap. 14

Join us at BIO International 2027 June 6-11, 2027

AMPLIFY International Ecosystem Bridging & Drug Discovery **TOGETHER**

BIO International Convention
The Global Event for Biotechnology

Side programing at Temple University – Temple Terra Hall 274,000 square feet / 17 floors walking distance from the Convention Center - at the intersection of Broad Street & Walnut Street

Temple University
Office of the Vice President for Research

INNOVATIONNEST
AT TEMPLE UNIVERSITY

Stay connected



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https://research.temple.edu/innovation/innovation-nest