University Update

From the Provost and the Chancellor
2026
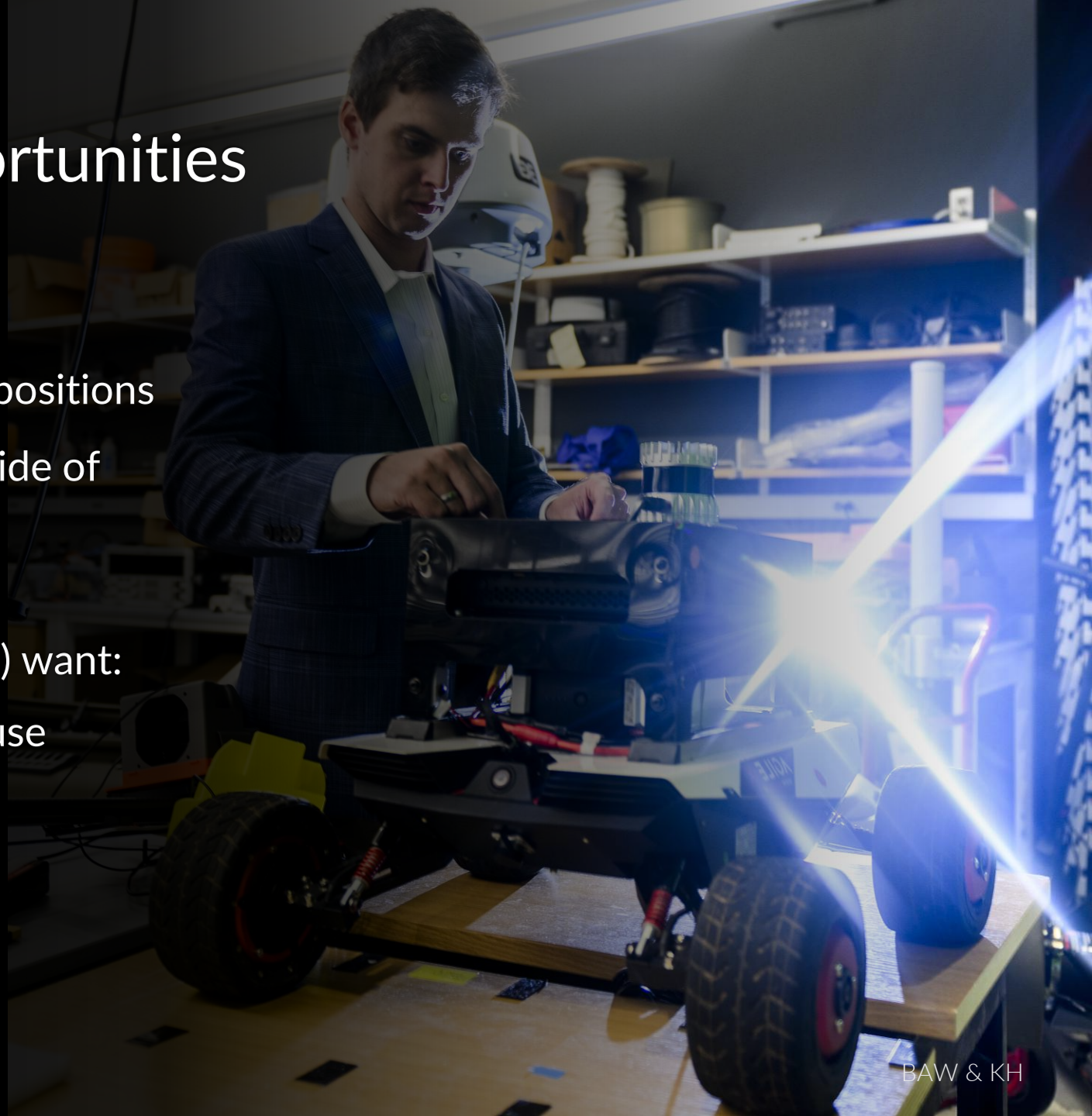
Academic Planning Process

- A new academic plan is underway, with six working groups which include representatives from of faculty, staff, students, and alumni/strategic partners.

- Theme: Human Agency in the Age of AI
- Leverages our core strengths – global network; experiential education; use-inspired research; partnerships

- The main activities with working groups, focus groups, community input will be this semester, synthesis over summer 2026.

AI: Challenges and Opportunities

- The job market:

  - **28%** higher salaries for AI skilled positions

  - **51%** of AI-required roles are outside of traditional IT and CS

  - **800%** growth in AI roles

- What students (the future workforce) want:

  - Clear, consistent guidance on AI use

  - AI education

  - Career readiness

Source: Lightcast report, July 2025

BAW & KH

Our Vision – AI Readiness and Responsibility

- 90% of students use generative AI for their studies

- Our curricula evolves as does the way we teach and assess

- We provide real world experiential learning opportunities with AI

- Students graduate AI-ready

KH

Institutes

New Institutes in 2025

The Defense Industrial Base Institute:
Strengthens US defense manufacturing through partnerships that address workforce gaps and identify strategic investments, enhancing Northeastern's national security impact.

The Dublin Innovation Institute:
Based at University College Dublin, fosters North American-European academic and industry research partnerships in technology, health, sustainability, AI, and manufacturing.

The Institute for Cognitive and Brain Health:
Studies lifestyle effects on brain health using advanced research methods to develop evidence-based interventions that improve global mental health outcomes.

Provost-Funded Institutes

- Institute for Experiential Artificial Intelligence
- Institute for Experiential Robotics
- Institute for Mechanobiology
- Institute for Intelligent Networked Systems
- Institute for Nanosystems Innovation
- Network Science Institute
- Quantum Materials and Sensing Institute

Ongoing & Newly Launching Searches

Dean, College of Science

Dean, College of Engineering

Senior Vice Provost for Research

Dean, D'Amore-McKim School of Business

Global Experiential Learning

Summer 2025

1562 Students

Participated in Dialogue of Civilization

71 Programs
58 Locations

362 Students

Participated in Summer In

5 Programs
4 Locations

Fall 2025 Pathways

1328 NU in Students

9 Partner Locations

Czech Republic, France, Germany, Ireland, Italy, Northern Ireland, Portugal, Scotland and Spain

273 NYC Scholars

824 London Scholars

Fall 2025

189 Fall Study Abroad

83 Fall Semester In

37 Incoming Exchange

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Personalized, Experiential Learning

5963 students on co-op (Fall 2025)

Academic Year for UG and Grad Total Hires: **12,912**

Academic Year for UG only Total Hires: **9,691**

6066 students on Experiential Projects (AY25)

- 618 projects

- 336 sponsors

- 355 courses

New Experiential Learning Programs:

- Co-op Consultancy

- Experiential Practicum

Enrollment Management Key Metrics

105,190

Total
Applications

47%

Yield Rate:
Boston, Fall

600%

Early Decision
Growth since 2015*

*772 in 2015
5872 in 2023

Source: Northeastern Enrollment Management

Enrollment

2025

26,235

Undergraduate students

2025

23,559

Graduate students

Source: Northeastern Enrollment Management

Office of the Chancellor

KH

Belonging. Vision. Building. Action.

- A shared responsibility

- 04/2025 Vision of Belonging Conference

- 10/2025 Building a Culture of Belonging Conference

- 2026 Professional Development for Belonging Leadership

Research Education

PhD Students & Postdocs

- Experiential PhD (since 2017)
  - 120+ Partnerships
  - $15M in external, non-sponsored research funding for PhD students since 2018 (80% from industry), providing over 500 student-years of support.
- Increase in NSF-GRFP Fellows
  - 34 Active NSF Fellows vs. 1 in 2006
  - 79 all time National Science Foundation (NSF) Graduate Fellowships Awarded
- Graduate Certificates and "New Literacies" workshops
  - Global Doctoral available to Northeastern PhD students and visiting students
  - Experiential Leadership
  - Postsecondary Teaching
- Three dual PhD partners in University of Paris Saclay, France; University College Dublin, Ireland; and Sapienza University of Rome, Italy

Our Experiential PhD Partnership Network

Diffusing research education across the Global University System to realize a future with fluid global mobility to enhance research training and to promote faculty collaborations

Today:

- PhDs and Postdocs at 10 system nodes

- 5% of Northeastern PhDs are beyond the Boston campus

- Global Doctoral Research Graduate Certificate facilitates global research mobility
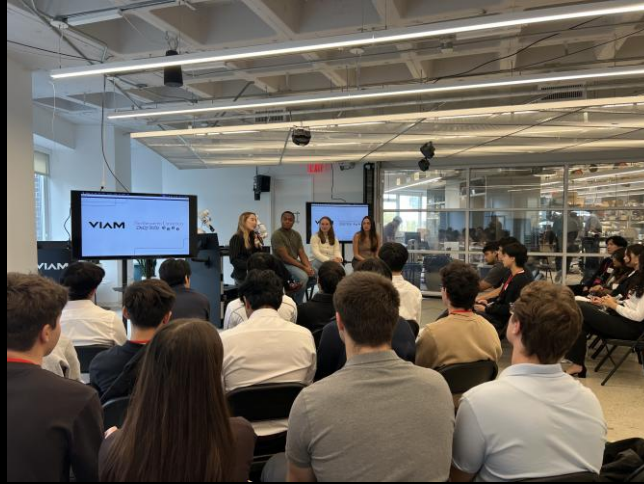
Partners include 10 of the 15 top biotech companies representing a $1.8T market cap

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The Global University System

New York Scholars

Classroom Updates

Seattle:

- 7 Classrooms upgraded to GLS standards
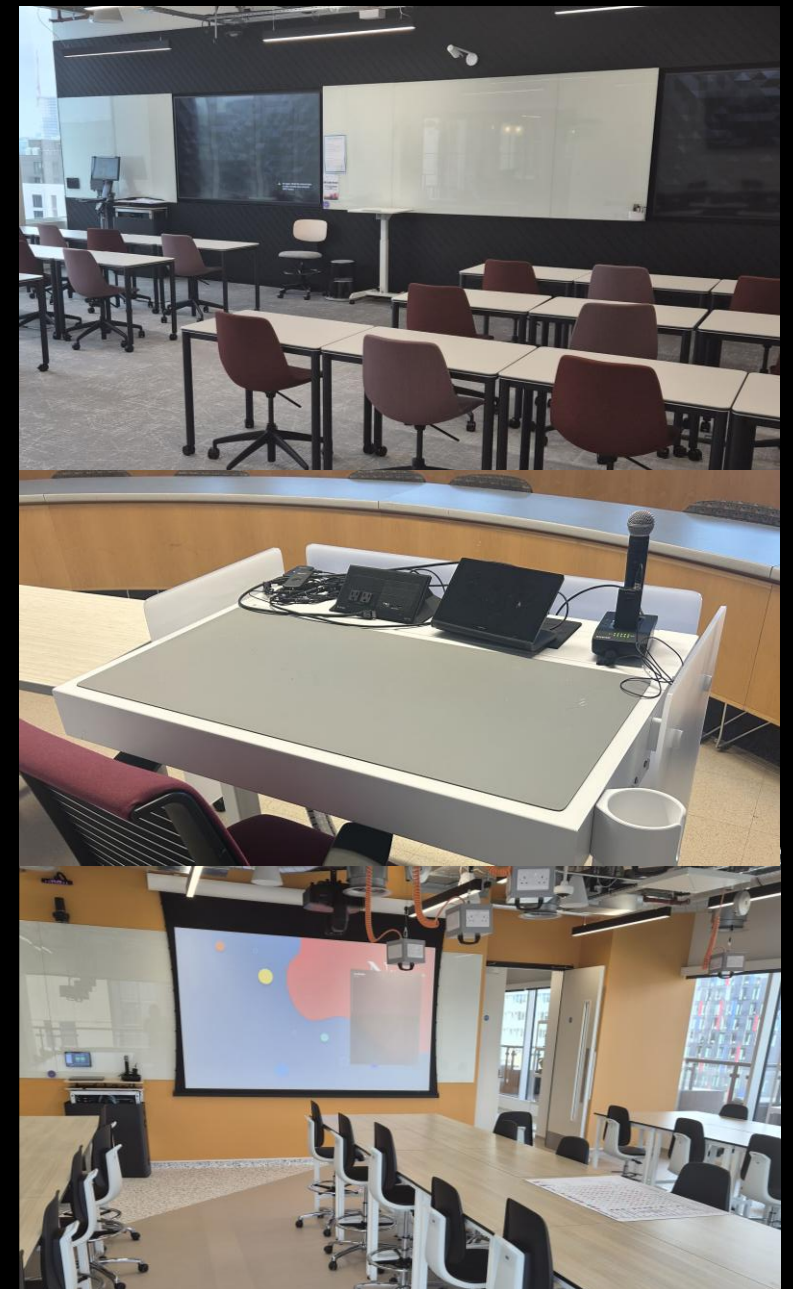 - 225 & 401 Terry Ave N

New York:

- 17 Classrooms received MS Teams Mobile Hubs
  - Existing MMC campus, leased classroom space

London:

- 7 Classrooms upgraded to GLS standards
  - Portsoken

Boston:

- 24 technology upgrades
  - East Village – new LED wall with AV upgrades
  - Hastings – 4 rooms received Crestron Flex upgrades
  - Behrakis – 13 rooms upgraded to GLS standards
  - Hurtig – 1 room upgraded with advanced routing functionality
  - Forsyth – 5 rooms upgraded with advanced routing functionality

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Faculty Profile – Fall 2025

2,232
___

T/TT/FTNTT
as of January

93
___

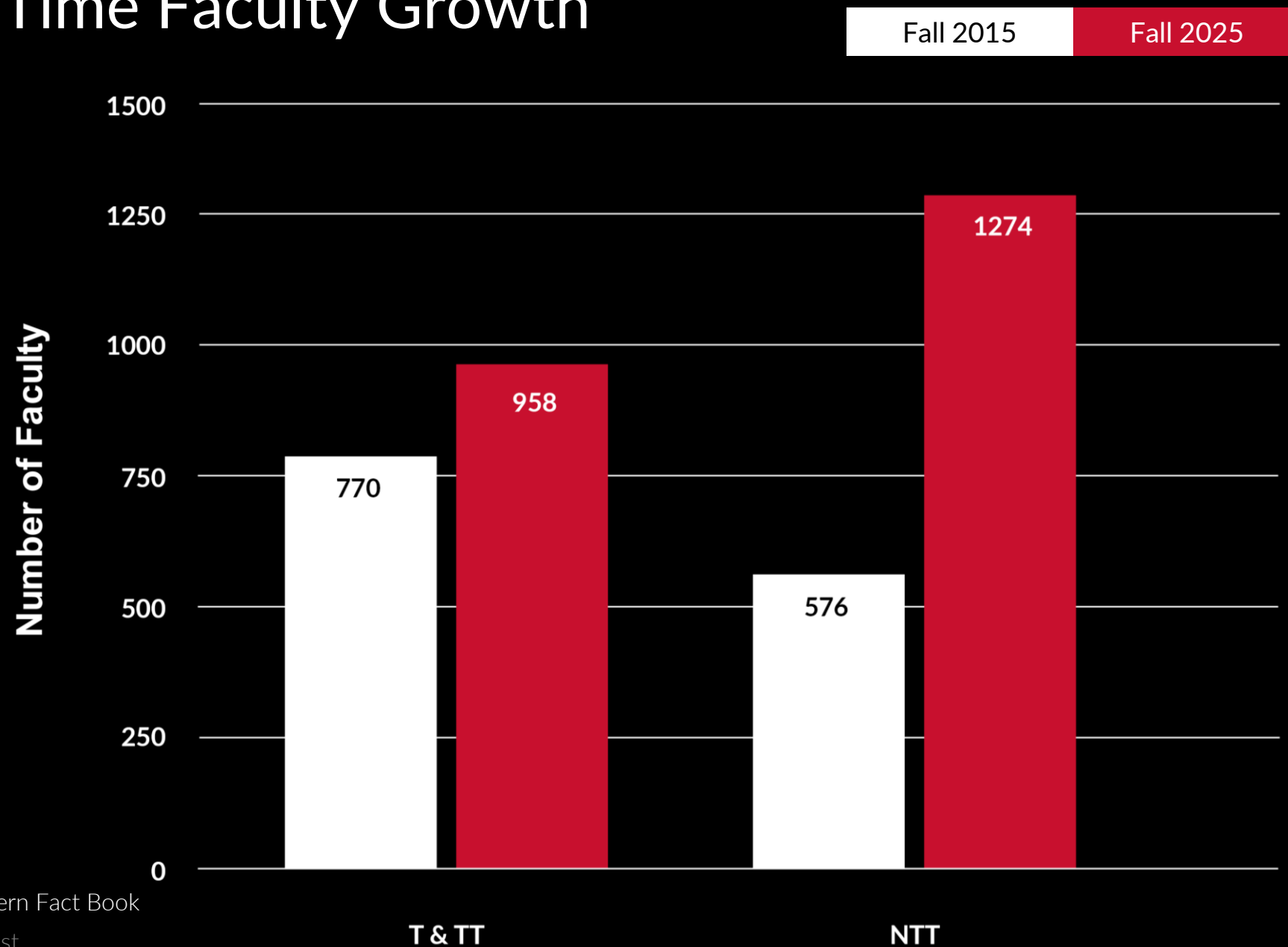New FT faculty hired
for FY 26, as of January

Office of the Provost

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Full-Time Faculty Growth

Fall 2015 | Fall 2025

Number of Faculty

- 1500
- 1250 — 1274
- 1000 — 958
- 750 — 770
- 576
- 500
- 250
- 0

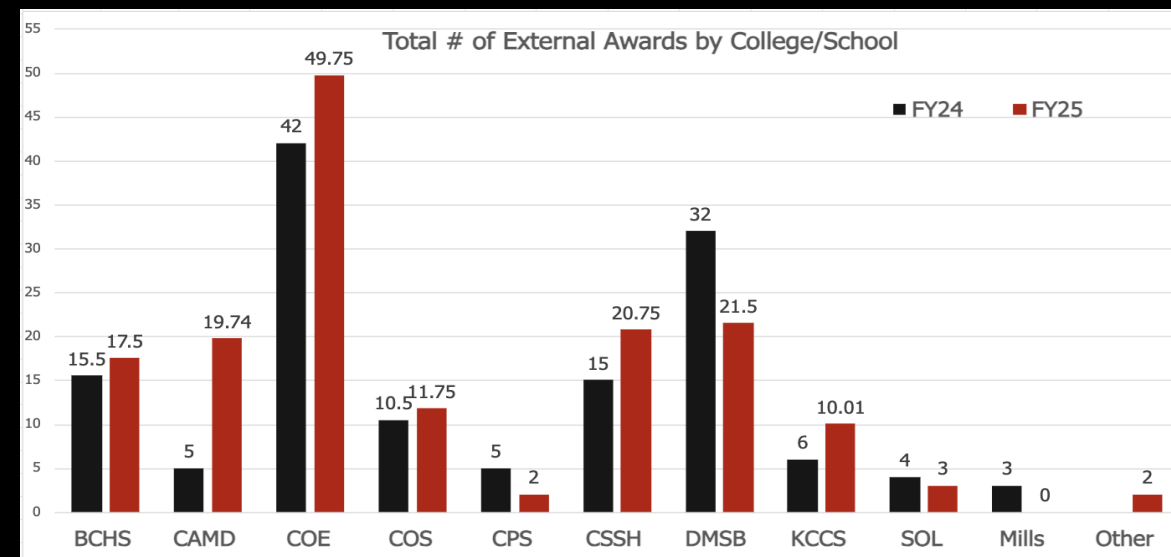T & TT   NTT

Source: Northeastern Fact Book
Office of the Provost

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Honorific Awards Initiative

- Uses Academic Analytics to match faculty to award opportunities

- Coordinates faculty nominations

- Facilitates tracking and reporting of nominations and awards

- Makes information accessible to the public

  - Blog Posts: provost.northeastern.edu/announcements/

  - Newsletter: http://eepurl.com/iXpuOY

  - Building a SharePoint site

  - Celebrating faculty achievements

Total # of External Awards by College/School

	FY22	FY23	FY24	FY25
External Awards	89	123	144	158

Select FY25 Prestigious Awardees

Sloan Research Fellowship

David Bau, Khoury

Association of American Law Schools (AALS) - The Patricia J. Williams Award

Patricia Williams, CSSH, Law

National Academy of Sciences Member

Mansoor Amiji, Bouvé, COE

The Presidential Early Career Award for Scientists and Engineers (PECASE)

Eno Ebong, COE

National Academy of Medicine Member

Matthew Miller, Bouvé

American Association for the Advancement of Science Fellow

Randall Hughes, COS

The Presidential Early Career Award for Scientists and Engineers (PECASE)

Ambika Bajpayee, COE

American Academy of Arts and Sciences Member

Gregory Abowd, COE

American Association for the Advancement of Science Fellow

Eugene Smotkin, COS

Outstanding Current Affairs Documentary 2024 News & Documentary Emmy® Award
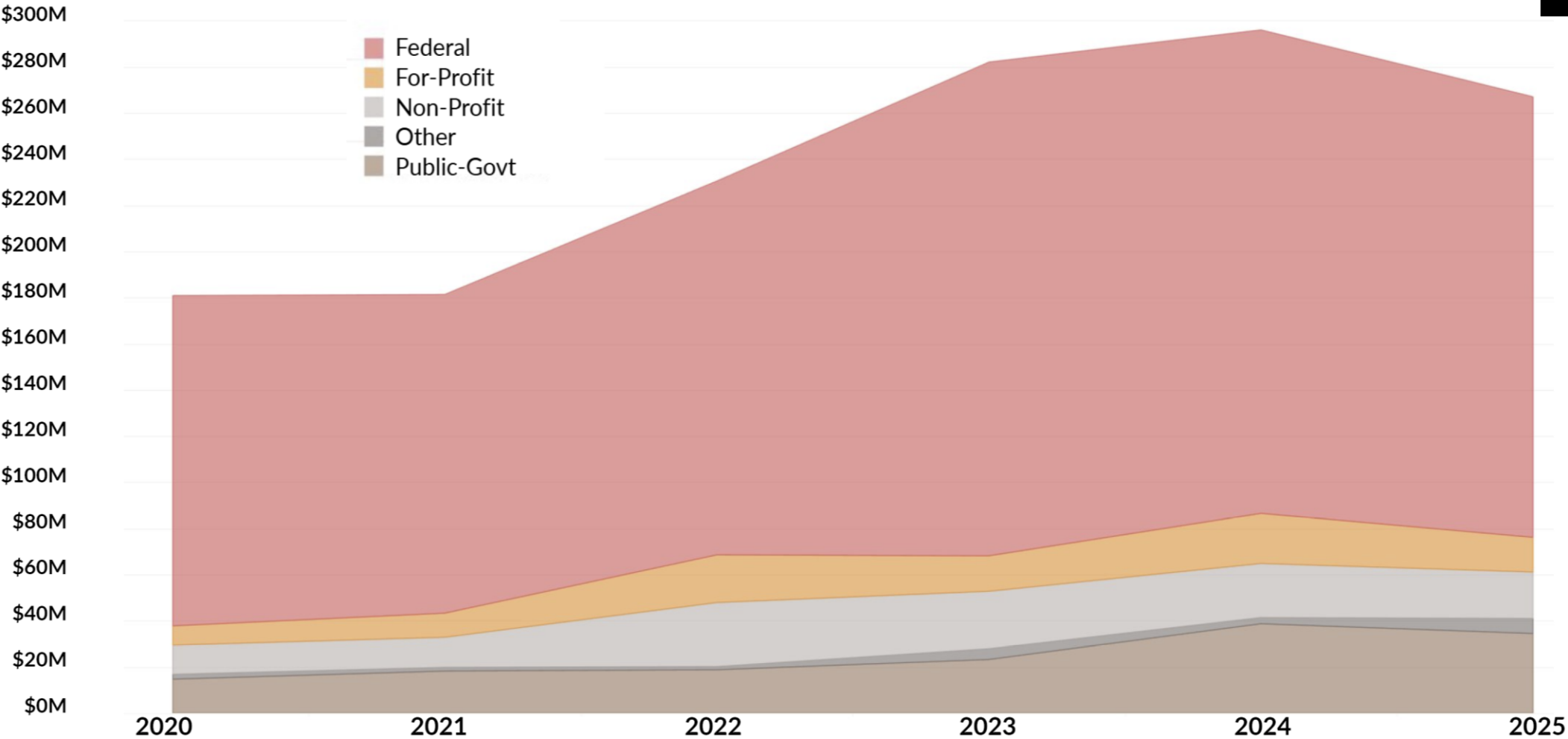
Darin Detwiler, CPS

National Academy of Sciences Member

Eduardo Sontag, COE

Research: Awards by Agency Type ($millions)
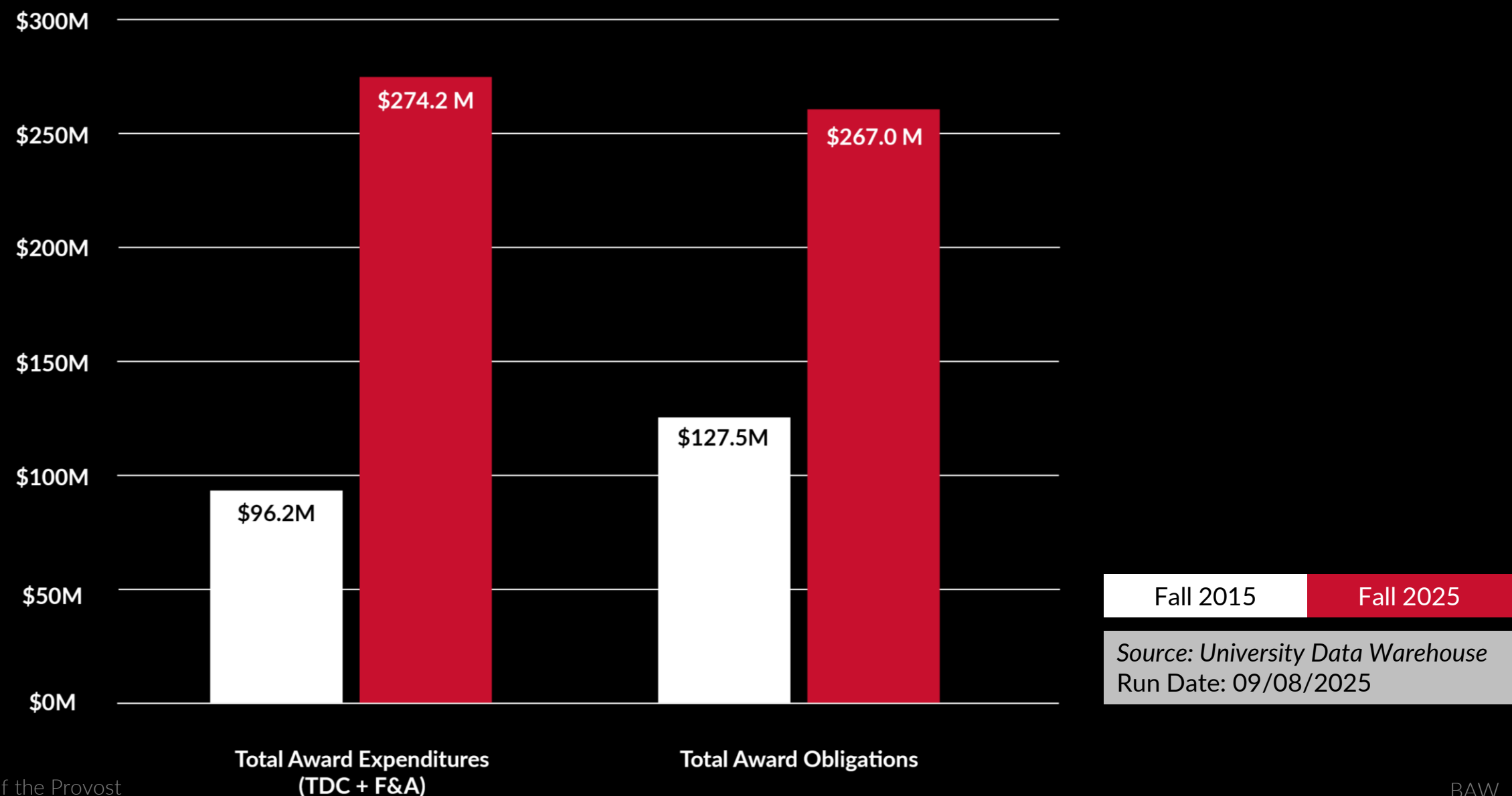
Northeastern University & Kostas Research Institute LLC

	2025
Federal DHHS	$68.7M
Federal DOD	$52.5M
Federal DOE	$9.5M
Federal NSF	$60.1M
Total	$190.9M

Legend:
- Federal
- For-Profit
- Non-Profit
- Other
- Public-Govt

Source: University Warehouse
* The FY 2025 data is preliminary and rounded up. Report does not include ORS Funding
Data as of: 09/08/2025

Northeastern and KRI Obligations and Expenditures

Fall 2015 | **Fall 2025**

Source: University Data Warehouse
Run Date: 09/08/2025

Office of the Provost

BAW

A Successful Year for NSF CAREERs: 15 New FY25 Awards

CAREER: Sublinear-Time Graph Algorithms: Foundations, Limitations, and Connections

Soheil Behnezhad (Khoury)

CAREER: Filling In the Design Landscape of Probabilistic Programming Languages

Steven Holtzen (Khoury)

CAREER: Formal Verification of Stateful Distributed Systems and Their Compositions

Ji Yong Shin (Khoury)

CAREER: Improving Data Efficiency in Deep Learning with Relaxed Symmetry Constraints

Robin Walters (Khoury)

CAREER: Exploring the dark sector with state-of-the-art galaxy surveys

Jonathan Blazek (COS)

CAREER: Neurocognitive development of adolescent learning

Juliet Davidow (COS)

CAREER: Emergent Phases: Fracton, Symmetry, and Decoherence

Yizhi You (COS)

CAREER: Context-aware framework to enable effective selection and delivery of digital health interventions

Varun Mishra (Khoury/Bouvé)

A Successful Year for NSF CAREERs: **15 New FY25 Awards**

CAREER: 3D dynamic network with bioelectrical and biomolecular interface for long-term communications with brain organoids
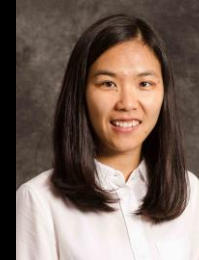
Roubing Bai (COE)

CAREER: Foundations of Scalable, Fast, and Online Decentralized Manifold Optimization in Multi-Agent Networks

Shahin Shahrampour (COE)

CAREER: Multi-Agent Network Interdiction and Service Provision Models to Counter Human Trafficking

Kayse Maass (COE)

CAREER: Unraveling flow-fluid coupling during impact of complex fluid droplets

Xiaoyu Tang (COE)

CAREER: Computational Characterization of Reaction Mechanisms and Catalytic Microenvironments in Redox-Mediated Ammonia Electrosynthesis

Qing Zhao (COE)

CAREER: Metabolic 'doping' to enhance production of biochemicals from sustainable C1 feedstocks

Benjamin Woolston (COE)

CAREER: Mechanism-Informed AI for Biological Systems-of-Systems to Accelerate Biomanufacturing Systems Integration and Innovations

Wei Xie (COE)

Early Career Awards from Other Funders

NIH Maximizing Investigators' Research Award for Early Stage Investigators (MIRA)

Tao Sun (COE)

DARPA Director's Fellowship

Aatmesh Shrivastava (COE)

Office of Naval Research Young Investigator Program

Benjamin Woolston (COE)

NIH Maximizing Investigators' Research Award for Early Stage Investigators (MIRA)

Mona Minkara (COE)

DARPA Young Faculty Award

Francesco Restuccia (COE)

Office of Naval Research Young Investigator Program

Paul Stevenson (COS)

NIH R21 Trailblazer

Lei Wang (COE/COS)

NIH NHLBI Research Scientist Development Award - Research & Training

Danielle Crookes (CSSH/Bouvé)

Early Career Awards from Other Funders

NSF Presidential Early Career Awards for Scientists and Engineers (PECASE)

Ambika Bajpayee (COE)

American Chemical Society Young Investigator Award

Qing Zhao (COE)

NSF Presidential Early Career Awards for Scientists and Engineers (PECASE)

Eno Ebong (COE)

Google Research Scholar

Wengong Jin (Khoury)

Sloan Research Fellowship

David Bau (Khoury)

Research Corporation for Science Advancement Scialog Fellow

Yizhi You (COS)

Notable Research Awards

Pew Innovation Fund Investigator

Jing-Ke Weng (COS/COE)   Pew Charitable Trusts

Digital Archive of Indigenous Language Persistence

Ellen Cushman (CSSH)   Andrew W. Mellon Foundation

Labor Implications of AI at the Nexus of Business Processes, Tasks and Workers

Esteban Moro (COS)   Sloan Foundation

Improving the Safety of Medical Devices

David Simon (Law)   Arnold Ventures

Transnational Political Networks and the Future of Global Order

Mai'a Cross (CSSH)   Carnegie Corporation

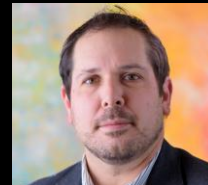**The Future of News: Advancing experimental video storytelling through the Reinventing TV Digital Media Innovation Center to engage new audiences and strengthen democracy**

Mike Beaudet (CAMD) and John Wihbey (CAMD/CSSH)   Stanton Foundation

PAIL: PhotoAcoustic Imaging technology for diagnostic Lung assessment

Soner Sonmezoglu (COE)   ARPA-H

Notable Research Awards

From Technology to Humans: Protecting Users of Neural and Medical Implant Technologies Through Resilience and Safety Engineering

Kevin Fu (COE/Khoury)   NSF

EV Battery Lifetime Extension With Material Intelligence (EVERMORE)

Juner Zhu (COE)   Advanced Research Projects Agency - Energy

One-Shot PetaOps/W Analog Margin-Propagation Compute Paradigm Advancing RF-MIMO Radar Processing and Classification

Averind Nagulu (COE)   NSF

FREEDOM IDIQ: Antennas and Sensor Advancements for Communication and Sensing

James Vedral (KRI)   U.S. Army Combat Capabilities Development Command Army Research Laboratory

Non-ionizing Electromagnetic Radiation Effects (NIEMRE) IDIQ

Deniz Erdogmus (KRI)   U.S. Army Combat Capabilities Development Command Army Research Laboratory

Intelligence-Led Policing in New Jersey: Data Integration to Support the Investigation of Gun Crimes

Eric Piza (CSSH)   National Institute of Justice

Notable Research Awards

The Institute for Information, the Internet and Democracy (Triple ID)

David Lazar (CSSH, Khoury)
Laura Edelson (Khoury)
John Wihbey (CAMD)
Rebekah Tromble (CSSH, Khoury)

Knight Foundation

Collaborative Research: An Intelligent Natural Language Interface to Improve the Accessibility of Complex Data Tasks for Blind or Visually Impaired STEM Employees

Hari Palani (Roux)
Melanie Tory (Roux/CAMD/Khoury)

NSF

R01: Mediators and Moderators of Executive Function Training in Older Adults

R61: Improving Accessibility of Vision Research and Therapy using an Open-Source, Extended-Reality Platform

Aaron Seitz (COS/CAMD/Bouvé)
Susanne Jaeggi (COS/CAMD)

NIH

Pathmaker Program: A Model of Frontline Care Provider-Led Patient-Centered CER

Jared Auclair (CPS)
Amanda Welsh (CPS)

Massachusetts Life Sciences Center

Enabling Higher Scale Factors in Gyroscopes Through soFt and LacAlized interface-States in microelectromecHanical resonators (FLASH)

Cristian Casella (COE)
Matteo Rinaldi (COE)
David Horsley (COE)
Benyamin Devaji (COE)

DARPA

Collaborative Research: Nutrient-mediated interactions between plastic-derived dissolved organic carbon and the biological carbon pump

Aron Stubbins (COS/COE)

NSF

Thank you!