

# State of the Campus

Darryll J. Pines, President  
March 6, 2025





# AGENDA

- Major Initiatives
- Indicators of Excellence
- Faculty Success
- Student Success
- Terp Pride
- Current Events

# Major Initiatives



**INVESTMENT**

**TOPIC**

**IMPACT**



**\$500B**

**AI  
Infrastructure**

**Global**



**Up to \$1B**

**Capital of Quantum**

**National**



**\$10M**

**Grand Challenge  
(Bioengineering)**

**State**



# New AI Institute: AIM



*Hal Daume, Professor of Computer Science*

- Launched Spring 2024
- 25 current affiliate faculty (ARHU, BSOS, CMNS, ENGR, INFO, BMGT, SPH)
- Pending degree programs (B.A. Fall '25, B.S. Fall '26, M.S., Ph.D.) and general education “path to AI” courses
- Providing seed funding for collaborative, interdisciplinary AI-related projects that positively impact society

**100+**

Faculty members who study and teach AI

**200+**

Courses available in 50+ departments

**1,000+**

Publications in top AI conferences (during the last five years)





## **\$1B Capital of Quantum Initiative**

**Strategic partnership will unlock state funds, federal grants, private-sector and philanthropic contributions over next five years**





# Elements of Capital of Quantum: UMD

1. **Recruit top quantum scientists and engineers** to join the ranks of 200-plus UMD quantum faculty members—one of the largest concentrations in the world—to usher in a new wave of discovery and innovation.
2. Expand access to the **National Quantum Laboratory (QLab)**, a unique UMD partnership with IonQ that provides students, researchers and entrepreneurs with global access to quantum computers and scientists.
3. Hire test and evaluation experts to support quantum-focused projects and construct a new building for UMD's **Applied Research Laboratory for Intelligence and Security (ARLIS)**.
4. Create additional facilities to house an expanded **Quantum Startup Foundry**, a business accelerator based in UMD's Discovery District that provides resources and support for entrepreneurs and startups bringing quantum technologies to market.
5. Launch education, outreach and training initiatives to include **high school quantum curriculum**, master's and certificate programs, and workforce retraining opportunities.



# Elements of Capital of Quantum: IONQ

1. IonQ, an anchor partner in the initiative, will grow its **corporate headquarters** into a 100,000-square-foot facility with a data center, laboratories and office space within UMD's Discovery District.
2. IonQ also intends to double its **corporate headquarters workforce** to at least 250 people in the Maryland region over the next five years.
3. Once approved by the legislature, the Capital of Quantum Initiative is expected to create **high-paying and skilled jobs** in diverse fields such as construction, software and hardware engineering, operations, applied physics, networking and more.

*\*\*Subject to the Governor's budget being approved*





# Edward & Jennifer St. John Center for Translational Engineering & Medicine



- **\$10M gift** to launch collaboration between UMD and UMB to drive medical innovation
- Will foster face-to-face partnerships between clinicians and engineers at UMSOM and Clark School
- Supported by a five-year, **\$12.7M** award from MPower





- Located on fourth floor of **4MLK**, new state-of-the-art facility in University of Maryland BioPark in Baltimore
- Will ensure real-world medical concerns of patients and professionals directly inform development of **devices, diagnostics and treatments**, accelerating path from research to patient care
- Gift will establish endowed and current-use **professorships** in bioengineering, undergraduate and graduate **student awards** in translational engineering and medicine, and ongoing **operating funds**
- Focus on creating **“Physician-eers”**



# Indicators of Excellence



# U.S. News Online Rankings

## Business

- **#14**: MBA Program: *Ninth consecutive year in Top 15*
  - **#6**: MBA Marketing
  - **#7**: MBA General Management
  - **#12**: MBA for Veterans
  - **#17**: MBA Finance
  - **#29**: Non-MBA Master's Programs

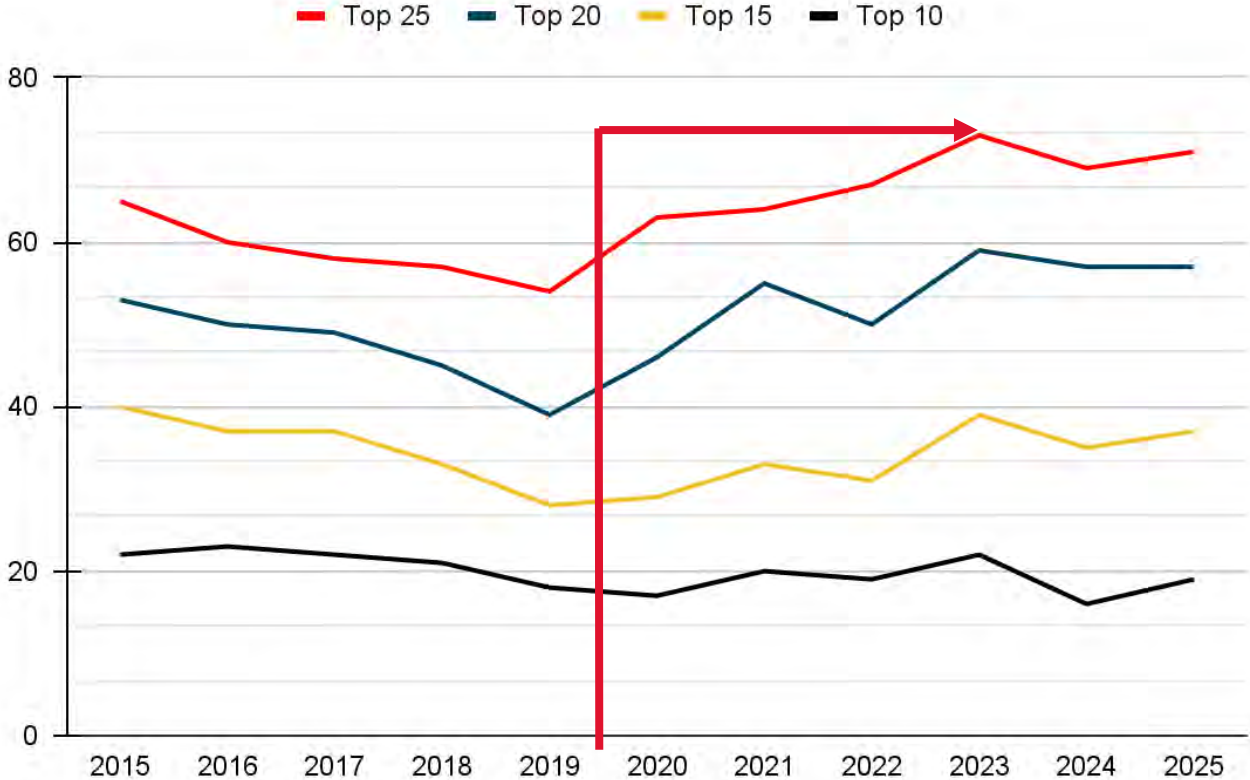
## Engineering

- **#9**: Master of Engineering Program
  - **#6**: Master's in Electrical Engineering
  - **#13**: Master's in Engineering Management
  - **#17**: Master's in Engineering Programs for Veterans



# U.S. News Academic Program Ranking History

71





# Top Fulbright Producing Institution

- **17** recent graduates, graduate students and alums in 2024-25
- Recognized as top institution **11 times** by *The Chronicle of Higher Education*
- **More than 500** UMD students, alums, staff and faculty have earned Fulbright awards since 1946



# Faculty Success





# National Academies

- **105 Total Memberships**

- Education
- Engineering
- Sciences
- Inventors
- Medicine
- Public Administration
- American Academy of Arts and Sciences

- **29 New Memberships**  
Since 2020



**Yang Tao**  
*National Academy of  
Inventors*



**Uzi Vishkin**  
*National Academy of  
Inventors*



# National Academies

## 23 Faculty with Multiple Memberships

### 20 Faculty with Double Memberships

- Katharine Abraham (*NAS, AAAS*)
- Rosina Bierbaum (*NAS, AAAS*)
- Sean Carroll (*NAS, AAAS*)
- Rama Chellappa (*NAE, NAI*)
- Robert Fischell (*NAI, NAE*)
- Gerald Fallway (*NAPA, NAE*)
- Jim Gates (*NAS, AAAS*)
- Michele Gelfand (*NAS, AAAS*)
- Chris Jarzynski (*NAS, AAAS*)
- KJ Ray Liu (*NAE, NAI*)
- John Mather (*AAAS, NAS*)
- Elaine Oran (*AAAS, NAE*)
- William Phillips (*NAS, AAAS*)
- Roberta Rudnick (*AAAS, NAS*)
- Roald Sagdeez (*AAAS, NAS*)
- Ben Shneiderman (*NAI, NAE*)
- Richard Walker (*AAAS, NAS*)
- John Weeks (*NAS, AAAS*)
- Ellen Williams (*NAS, AAAS*)
- Ji-Cheng Zhao (*NAE, NAI*)

### 3 Faculty with Triple Memberships



**Rita Colwell**  
(*NAI, AAAS, NAS*)



**Alan Leshner**  
(*AAAS, NAPA, NAM*)



**C.D. (Dan) Mote, Jr.**  
(*NAI, AAAS, NAE*)



# PECASE Award Winners

- **4** Presidential Early Career Award for Scientists and Engineers (PECASE)
- Highest honor for early career STEM faculty
- Recognition of impact their research could have on country's future
- **Most at one time in UMD history**
  - 17 total since 1997



**John Beiler**  
(ARLIS)



**Damena Agonafer**  
(Mechanical Engineering)



**Soheil Feizi**  
(Computer Science  
& UMIACS)



**Zohreh Davoudi**  
(Physics, JQI &  
QuICS)



# Student Success



# Top 10 Again in Math Competition

- Ranked **7th** (Honorable Mention) among **477** Universities
  - *Third Year in a Row in Top 10*
- Team Members: Daniel Yuan, Isaac Mammel and Clarence Lam
  - Yuan ranked **26th** among nearly **4,000** participants
  - Mammel and Lam ranked **top 200** students



William Lowell  
**PUTNAM**  
Mathematical Competition

**A1** Determine all positive integers  $n$  for which there exist positive integers  $a$ ,  $b$ , and  $c$  satisfying

$$2a^n + 3b^n = 4c^n.$$

**A2** For which real polynomials  $p$  is there a real polynomial  $q$  such that

$$p(p(x)) - x = (p(x) - x)^2 q(x)$$

for all real  $x$ ?



# Scholarship and Patent



## Malcolm Maas

- **Churchill Scholarship**
  - *1 of 15 nationwide, 9th Terp in 7 years*
- Graduating with degrees in Atmospheric and Oceanic Science and Physics and will pursue master's in math at Cambridge
- Previously won Goldwater Scholarship



## Ian Smith

- **Patented “tumor on a chip” device** to help clinicians observe how cancer cells detach and invade blood vessels
- Designed in Stroka Lab, device will offer window into how cancer spreads and personalize treatment
- Bioengineering doctoral student and Clark Doctoral Fellow, earned Fischell Fellowship in biomedical engineering





# New “Kids” on Campus

- Department of Animal and Avian Sciences welcomed two dairy goats to start UMD’s first goat herd
- 10 students will work with Sadie and Ariana in new goat management course
- Goats donated by 2024 animal science alum Cheyenne Van Echo’s family
- Special display for Maryland Day, the 100th anniversary of Ag Day





# Terp Thon Dances On for Children's National Hospital



# Terp Pride



# Giving Day Results

- **\$5.3M** Raised
  - *Highest-Ever Result*
  - **\$26.8M** raised since 2014
- **11,794** Gifts from **8,949** Donors
- Most Raised: Hillel (\$1.1M)
- Most Donors: ODI (1,472)
- Donors represent 48 states and 19 countries







## ➤ Admissions Highlights

- **66,000** total applications
  - **11%** increase
  - ***Most in UMD History***
- **56%** Applied Test Optional
- **21,000** Fall 2025 early action admits
  - **1440-1540** Average SAT
  - **4.47** Average GPA





# Current Events



# The Situation in Washington

- The situation in D.C. represents an evolving and significant threat to higher education.
- To date, there have been a range of Executive Orders and Dear Colleague Letters that negatively affect and impact the operation of universities.





# Campus Updates Available

UNIVERSITY OF MARYLAND MAKE A GIFT Q

**Office of Government Relations**    About ▾    State Relations    Federal Relations ▾    Terps in Government    Resources ▾

Federal Relations

Updates and Guidance Related to Federal Executive Orders, Memos and Agency Guidance

Home ▸ Federal Relations ▸ Updates and Guidance Related to Federal Executive Orders, Memos and Agency Guidance

## Updates and Guidance Related to Federal Executive Orders, Memos and Agency Guidance

**Updated:** February 25, 2025

As the federal landscape evolves, we are committed to providing information about executive orders, memorandums and guidance that may affect our work and community at the University of Maryland.

While many of these directives are still being evaluated to understand impact, we will provide updates as information is verified. This page serves as a central hub for updates and resources related to relevant federal actions.

[Message from President Pines and Provost Rice: Potential Higher Education Impacts Amidst a Changing Federal Landscape \(February 13, 2025\)](#)

- Executive Orders by Topic
  - Research
  - Diversity
  - International Students, Faculty and Staff
  - Undocumented Individuals
- Campus and Partner Resources (APLU, AAU, ACE, COGR, Maryland State)
- FAQs

<https://govrelations.umd.edu/federal-relations/executive-orders-memos-and-federal-regulations>





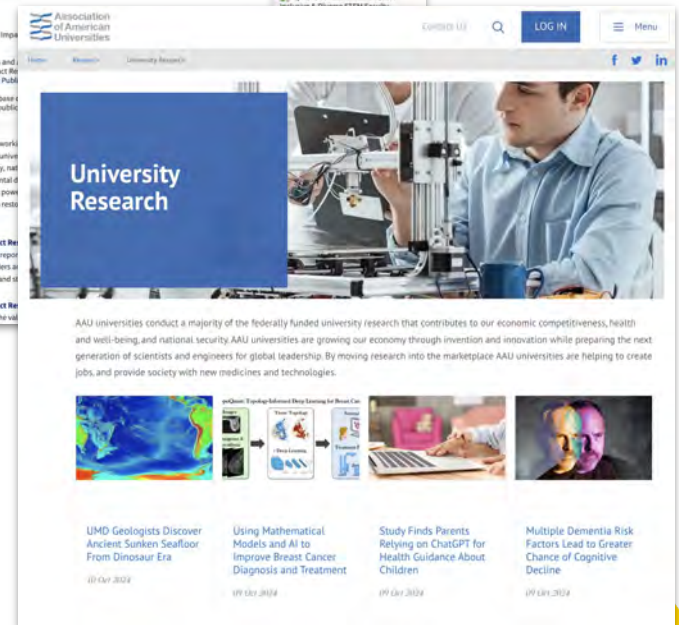
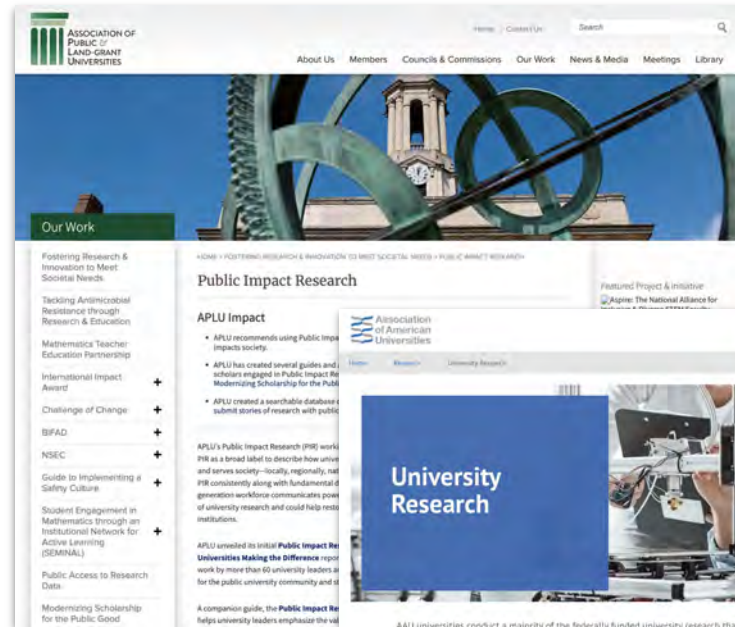
# Our Strategic Response

- **Engage:** Continuing federal advocacy with MD Delegation, Agency Heads, and in partnership with AAU, ACE and APLU
- **Challenge:** Following and joining court cases and litigation in partnership with OAG
- **Adapt:** Analyzing federal impact
  - Exploring partial assistance for some federally funded positions, when possible
  - DOE ***does not*** have the authority to control classroom instruction or force colleges to restrict First Amendment rights.
- **Plan:** Assessing state and federal budget implications and range of actions to lower expenses and increase revenues
- **Listen to Community:** Serving all members of our community to create environment for thriving



# Building on campaigns led by AAU and APLU...

- UMD will launch a web-based campaign on the value and impact of research.
- We will tell our story about our effect on life and lives.



**UNIVERSITY OF  
MARYLAND  
RESEARCH MAKES  
NEIGHBORHOODS  
SAFER.**



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OUR FOOD SUPPLY.**





A vibrant campus scene featuring a large green lawn, trees with autumn foliage, and a building in the background. The text 'FEARLESSLY FORWARD' is overlaid in a white, bold, sans-serif font. The background shows a clear blue sky, green grass, and trees with some autumn-colored leaves. A building with a red facade is visible in the distance. People are seen walking on a path in the foreground.

**FEARLESSLY**

**FORWARD**