

University Senate: State of the Campus Address

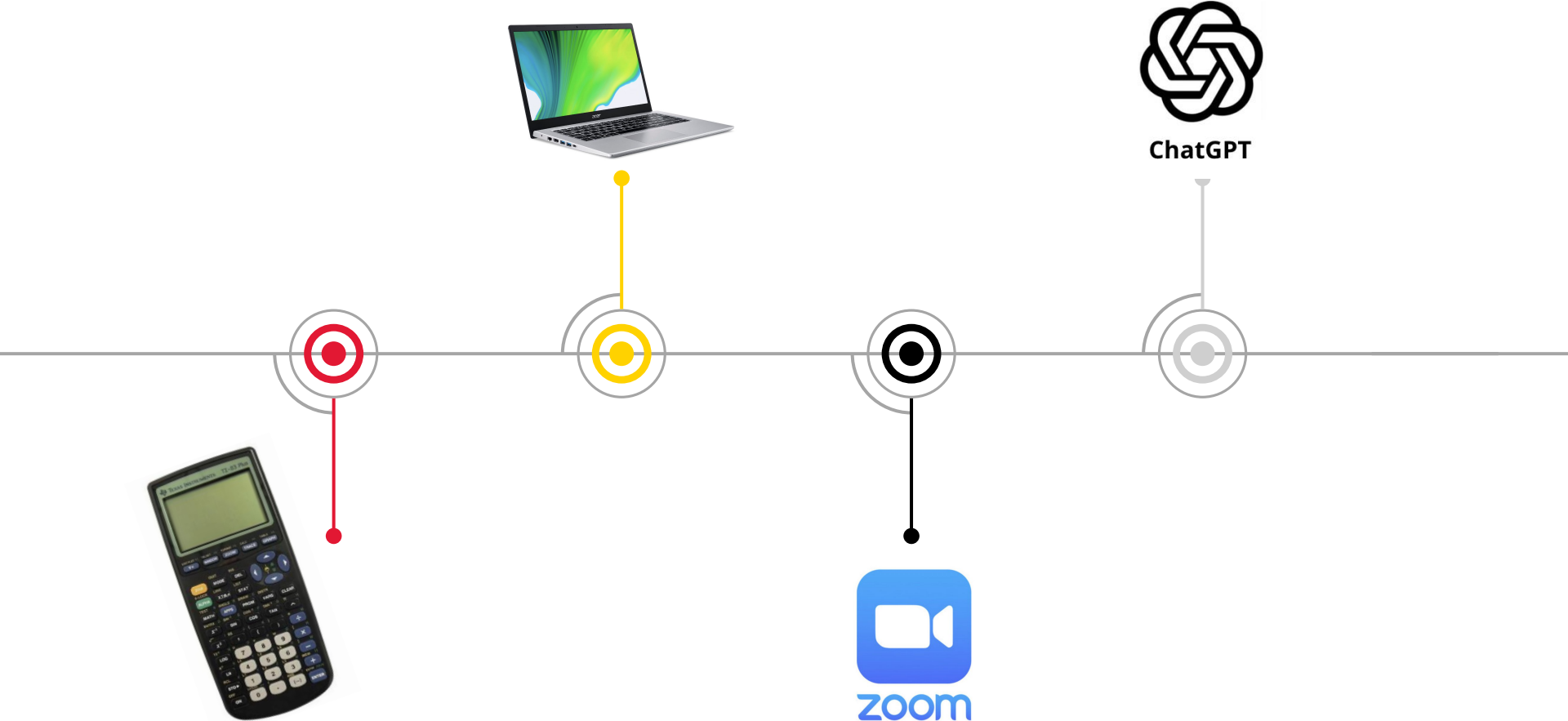
Darryll J. Pines, President
March 8, 2023



**Excellence in
Everything
We Do**



Technological Evolution in Higher Education



A large, bright yellow arrow graphic pointing to the right, positioned on the left side of the slide. The arrow is composed of two overlapping triangular shapes, creating a sense of depth and movement.

Faculty Excellence

67 Members of the National Academies

CLASS OF 2022 FELLOWS

13 New Members of
Academies Since 2020

NATIONAL ACADEMY OF SCIENCES



KATHARINE
ABRAHAM



EDWARD OTT



RICHARD
WALKER

NATIONAL ACADEMY OF MEDICINE



RUTH ENID ZAMBRANA

NATIONAL ACADEMY OF INVENTORS



ERIC WACHSMAN



Ji-CHENG
'JC' ZHAO

AMERICAN ACADEMY OF ARTS AND SCIENCES



PATRICIA HILL
COLLINS



RICHARD
WALKER

National Academy of Engineering

**CLASS OF 2023
FELLOWS**

**Largest Number of
Faculty Ever Elected to
NAE**



**LAURIE
LOCASCIO**
Former Vice
President of
Research and
Professor of
Bioengineering



**INDERJIT
CHOPRA**
Distinguished
University Professor
and Director of the
Alfred Gessow
Rotorcraft Center



**JI-CHENG 'JC'
ZHAO**
Minta Martin
Professor and Chair
of Materials Science



**RAMA
CHELLAPPA**
Emeritus, College Park
Professor of Electrical
and Computer
Engineering

49 Members of the American Association for the Advancement of Science

CLASS OF 2022
FELLOWS



SONALDE DESAI
Social, Economic and
Political Sciences



**SAMUEL
GRAHAM, JR.**
Engineering



ABBA B. GUMEL
Mathematics



**MOHAMMAD
TAGHI
HAJIAGHAYI**
Information, Computing
and Communication



**WOLFGANG
LOSERT**
Physics



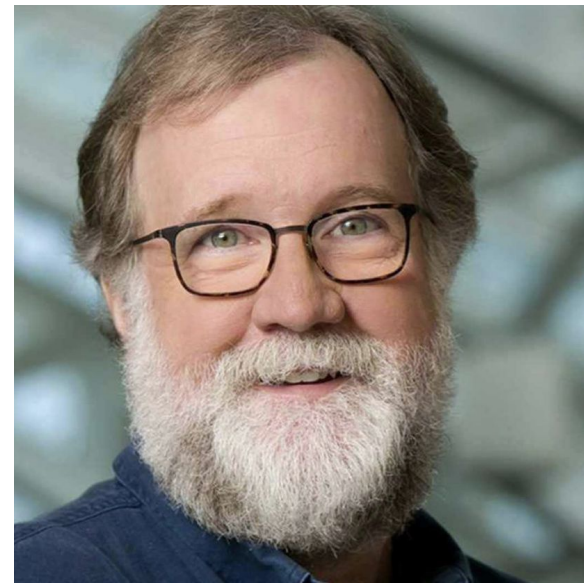
DANA S. NAU
Information, Computing
and Communication



**JI-CHENG 'JC'
ZHAO**
Industrial Science and
Technology



Sean B. Carroll
Executive Producer and
Distinguished University
Professor of Biology



“All That Breathes”
Nominated for Best
Documentary Feature Film
95th Academy Awards
Sunday, March 12 at 8 P.M.



A large yellow arrow graphic pointing to the right, positioned on the left side of the slide.

Staff Honors



UNIVERSITY SYSTEM
of MARYLAND

USM Regents' Staff Awards



OUTSTANDING SERVICE TO STUDENTS IN AN ACADEMIC OR RESIDENTIAL ENVIRONMENT

Maureen Schrimpe, Quality Coordinator, Nutritionist
& Certified Allergen Trainer in Dining Services



INCLUSION, MULTICULTURALISM, & SOCIAL JUSTICE

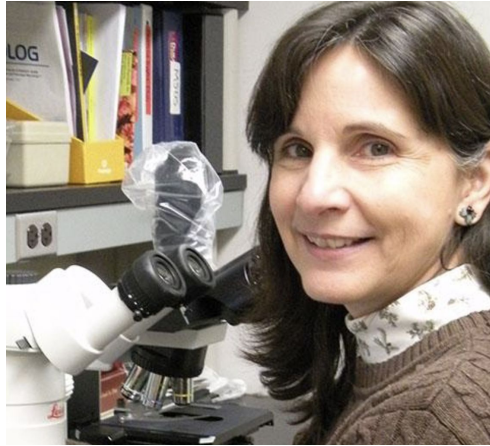
Kathryn Atchison, Associate Director of the Iribe Initiative
for Inclusion & Diversity in Computing in the Department of
Computer Science



Professional Recognition



John T. Consoli, photographer and *Terp* magazine creative director in the Office of Marketing and Communications, won the 2022 Council for Advancement and Support of Education (CASE) Circle of Excellence Grand Gold



Karen Rane, director of the Plant Diagnostic Laboratory, received a lifetime achievement award from the National Plant Diagnostic Network



Lena Morreale Scott, director of civic education and engagement initiative at the College of Education, received Transform Mid-Atlantic's Civic Leadership Award





Inaugural Aspen Index Impact Fellows

Increase Access to and Quality of Youth Leadership Development



Patty Perillo,
Student Affairs



Ramsey Jabaji,
Office of Global
Engineering
Leadership



Darren Pierre,
Office of Global
Engineering
Leadership



Courtney Holder,
Leadership and
Community
Service-Learning



Melissa Rocco,
College of
Education



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Student Achievement

Determine all ordered pairs of real numbers (a, b) such that the line $y = ax + b$ intersects the curve $y = \ln(1 + x^2)$ in exactly one point.

POP QUIZ!



William Lowell
PUTNAM
Mathematical Competition

Six Hours, Twelve Questions | Median Score: 0





William Lowell
PUTNAM
Mathematical Competition

1. MIT
2. Harvard University
3. Stanford University
- 4. University of Maryland**
5. Yale University

#1 Public School
Best Ranking in Four Decades

3 UMD students in Top 100
(of 3,415 participants)

- Clarence Lam, computer science and mathematics
- Isaac Mammel, mathematics
- Daniel Yuan, mathematics



Smith Family Tribute

February 26

Clarice Smith Performing Arts Center

- Honored legacy and impact of Smith family on arts, libraries, business education and more
- Student vocal, instrumental and theatre performances



UNIVERSITY OF
MARYLAND

**FEARLESSLY
FORWARD**



Churchill Scholar



Kevin Tu

*Biological Sciences
and Economics*

Mitchell Scholar



Neelesh "Neel" Mupparapu

Bioengineering



Forbes' 30 Under 30



TJ Ademiluyi '17
(Finance)
Co-founder,
Alaffia Health



Tyler Denk '16
(Mechanical
Engineering)
Co-founder, Beehiiv



Sarah Lorentzen '18
(Communication)
Senior Director of
International A&R, RCA
Records



Daniel Luu '16
(Bioengineering)
Founder, Akrew





A. JAMES CLARK
School of Engineering
Aerospce
Engineering

A. JAMES CLARK
School of Engineering
Fire
Protection
Engineering

A. JAMES CLARK
School of Engineering
Civil
&
Environmental
Engineering

ing
ing



Building a Multicultural Community





SCHOOL OF PUBLIC POLICY

F.D.C.



Thurgood Marshall Hall Naming Ceremony

School of Public Policy
February 28, 2023

Attended by Gov. Wes Moore
and Thurgood Marshall, Jr.



Taking on Humanity's Grand Challenges



120 Initiative: Gun Violence Reduction Initiative

PARTICIPATING SCHOOLS AND COLLEGES

ARHU, BSOS, SPHL, ENGR

Lead: Joseph Richardson (BSOS)

Thomas Abt (BSOS)

Woodie Kessel (SPHL)

Rabiatu Barrie (SPHL)

Rod Brunson (BSOS)

Students Demand Action (SDA)

Isabella Socha-Soares



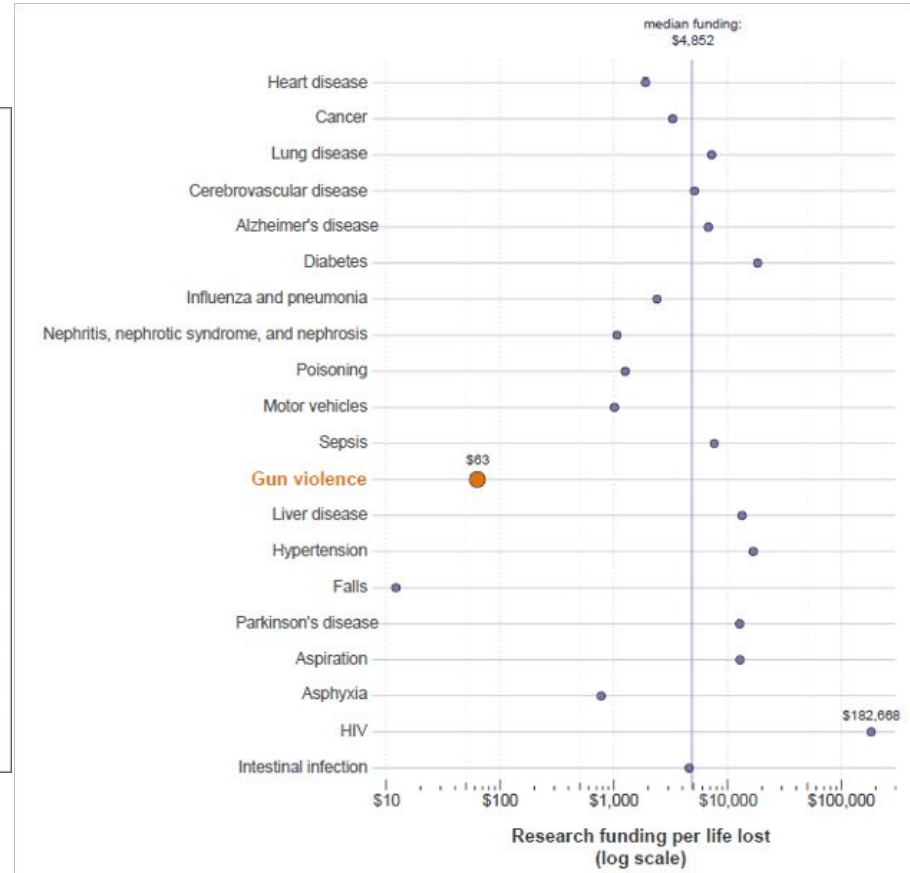
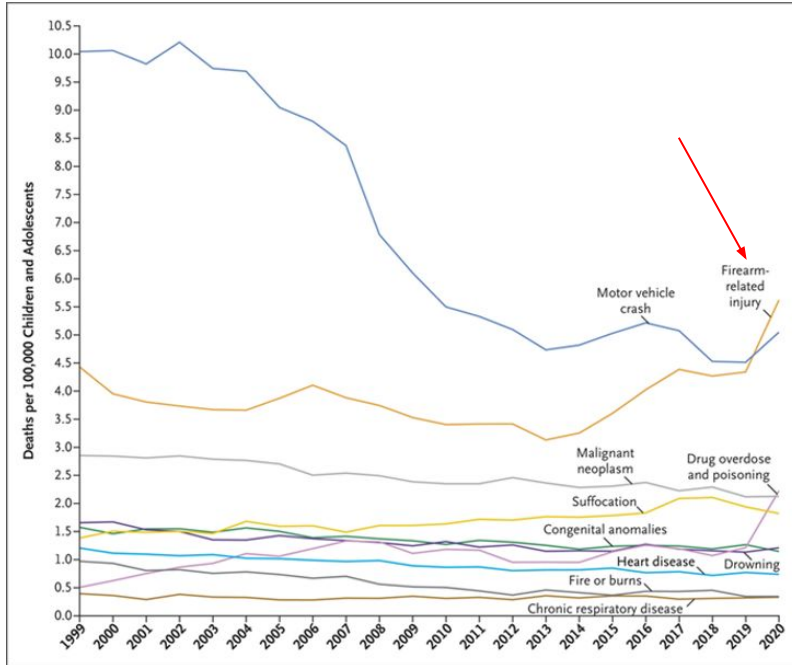
120 Initiative to Reduce Gun Violence Regional Conference

March 1, National Building Museum

- Community Intervention Models
- Policy and Legislative Approaches
- Safety Expansions – Training, Gun Safes, etc.
- Enforcement and Prosecution
- Community Voices



Guns are the #1 killer of 18-25 year olds but receive little federal funding





Grand Challenges Grant Winners

Grand Challenge Grants Award Topics



Climate Change
Global Health
Racial and Social Justice
Threats to Democracy
Pandemic Preparedness
Water Accessibility



Food Insecurity
Sustainability
Clean and Renewable Energy
Disinformation
Future Cities
Ethical, Fair &
Trustworthy Technology



UNIVERSITY OF
MARYLAND

**FEARLESSLY
FORWARD**



➤ **Impact Awardees**

- Maryland Institute for Digital Accessibility
- Critical Urban Studies
- Democracy Research, Education and Civic Action
- Microbiome Sciences
- Values-Centered Artificial Intelligence
- Pandemic Preparedness, Response, Management and Resilience



Addressing Climate Challenges for a Sustainable Earth

**PARTICIPATING
SCHOOLS AND COLLEGES**

CMNS, BSOS

PI: Ellen Williams (CMNS)



Maryland Initiative for Literacy & Equity (MILE)

**PARTICIPATING
SCHOOLS AND COLLEGES**
EDUC, ARHU, BSOS, INFO

PI: Donald Bolger (EDUC)



Global FEWture: Advancing Transformative Food-Energy-Water Solutions to Ensure Community Resilience in a Changing Climate

**PARTICIPATING
SCHOOLS AND COLLEGES**

AGNR, ARCH, BSOS, CMNS,
ENGR, SPH

PI: Amy Sapkota (SPH)



Announcing our 2023 Spring Commencement Speaker





➤ Gayle King

- Author and broadcast journalist for CBS News
- Co-host of *CBS This Morning*
- Editor-At-Large of *Oprah Daily*
- 1976 UMD Graduate
- Has Maryland Pride



CBS MORNINGS



Determine all ordered pairs of real numbers (a, b) such that the line $y = ax + b$ intersects the curve $y = \ln(1 + x^2)$ in exactly one point.

Those (a, b) for which

- $|a| \geq 1$, or
- $a = b = 0$, or
- $0 < |a| < 1$ and $b < \ln[2(1 - \sqrt{1 - a^2})/a^2] + \sqrt{1 - a^2} - 1$, or
- $0 < |a| < 1$ and $b > \ln[2(1 + \sqrt{1 - a^2})/a^2] - \sqrt{1 - a^2} - 1$.



A photograph of a university campus with a large green lawn, trees, and a building in the background. The text 'FEARLESSLY FORWARD' is overlaid in a white, slanted box. The letters are cut out, showing the background scene through them. The text is in a bold, sans-serif font. The background shows a clear blue sky, green trees, and a large brick building with white columns. People are visible walking on the lawn.

FEARLESSLY

FORWARD