

THE GEORGE
WASHINGTON
UNIVERSITY

WASHINGTON, DC

RESEARCH UPDATE

GW Faculty Senate

Robert H. Miller
Interim Vice Provost for Research

January 10, 2025



Overview

- A Year of Impact
- Growing and Supporting GW's Research Enterprise
- Looking Forward
- Appendix: Additional Impact and Sponsored Research Metrics

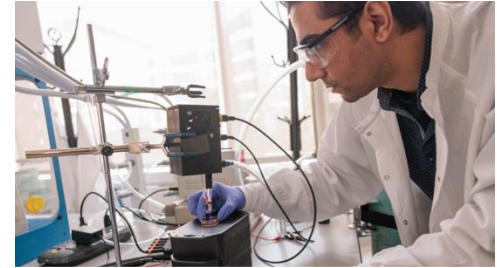
A Year of Impact



[Protecting Researchers from Harassment](#)



[New Species Named for Kermit the Frog](#)



[Cold Plasma as Cancer Treatment](#)



[Housing is Health](#)



[Gun Violence as Global Public Health Challenge](#)



[Space Act Agreement Enables Student Research](#)

A Year of Distinction



National Academy of Medicine

Dayna Bowen Matthew (LAW) & Monika Kumari Goyal (SMHS)



NSF CAREER Awardees

Sandy Kawano (CCAS) & Luyao Lu (SEAS)



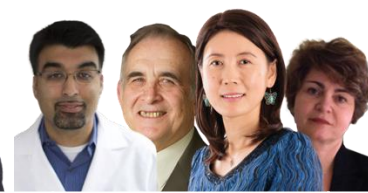
Fulbright Scholars

Eric Cline (CCAS), Jacob English (LAI), Ashwini Tambe (CCAS), Allyson Vieira (CCAS) & Sidney Monroe Williams (CCAS)



2024 Liberty Legacy Foundation Award

Gordon Mantler (CCAS)



National Academy of Inventors

Neal Sikka (SMHS), Charles Garris, Jr. (SEAS), Lijie Grace Zhang (SEAS) & Narine Sarvazyan (SMHS)



Smithsonian Committee of Scholars

Gayle Wald (CCAS)



Harvard Radcliffe Institute Fellow

Jisoo Kim (ESIA/CCAS)



2024 Science Defender

Rebekah Tromble (SMPA)



Library of Congress Kluge Fellowship

Leniqueca Welcome (CCAS)



2024 Highly Cited Researchers

Brandon Kohrt (SMHS) & Herman Aguinis (GWSB)



2024 History Manuscript Award

Aaron Bateman (CCAS/ESIA)



Best Books of the 21st Century

Edward P. Jones (CCAS)

2024 by the Numbers

GW's prolific community of scholars have an impact far beyond our campus in the nation's capital.

~200

Active clinical trials

4,000+

Publications

50+

Books

\$330K

New Venture
Competition Prizes

26th

Patents per research
expenditures

Highlighted Awards



Managing Intra-Alliance Tensions

A Department of Defense project to study territorial and maritime expansion by revisionist powers, including U.S. allies.



Safeguarding Autonomous Aircraft

NASA awarded \$6 million to fund a project focused on protecting autonomous aircraft flying in high-density urban airspace.



How Ovarian Cancer Evades the Immune System

A \$3.2 million National Institutes of Health award to investigate how changes in genes expression influence the growth of ovarian cancer and help it hide from the body's immune system.



Climate Solutions to Advance Health and Justice

The National Institutes of Health awarded \$3.7 million to launch the Research and Engagement for Action in Climate and Health Center.

2024 Research Year in Review

GW's scholarly community set a high standard for innovation, creativity and excellence this year.

[View the 2024 GW Research Year in Review](#) for more points of pride.



Strengthening GW's Culture of Innovation

Growing international entrepreneurship in DC

- [GW partnership](#) brings international startups to DC in return for providing micro-internships to GW students

New Venture Academy launched

- Revamped entrepreneurship training series drew more than 200 registrants for seven events throughout the Fall semester

Four GW teams advance to national NSF Innovation Corps program

- A recent high; teams from SEAS, GWSPH and Children's National

Enhancing Human Research Protection Program

Speeding review times while ensuring compliance

- Eliminated backlog in human research protocol reviews
- Turnaround times for review of new studies has been reduced by more than half (From 40 days to 15 days on average)
- Enhanced training for staff has shortened review times
- Implementation of Huron HRPP toolkit is underway; will align policies and operations with regulatory requirements and further streamline reviews

Research Development Support

- Onboarded new Research Enhancement Officer
- Leveraging federal relations firm ([Lewis-Burke](#)) to provide direct support to faculty seeking grants and provide intelligence on funding priorities
- 13 faculty-led projects supported by Hanover Research consultants
- 71 new projects received [intramural funding](#) (~\$1 million)
- Continued popular faculty writing retreats with University Writing Program



Faculty Writing Retreat

Growing and Supporting GW's Scholarly Enterprise

Upgrade to Electronic Research Administration Software (myResearch)

- Enhancements to funding proposals and budgeting, award management, and agreements

Access for core facilities and major research instrumentation

- Finalized agreement with Georgetown University for reciprocal access to core research facilities

Enhancing GW's scholarly reputation

- GW a co-sponsor of [American Association for the Advancement of Science annual meeting](#) in February (Boston)

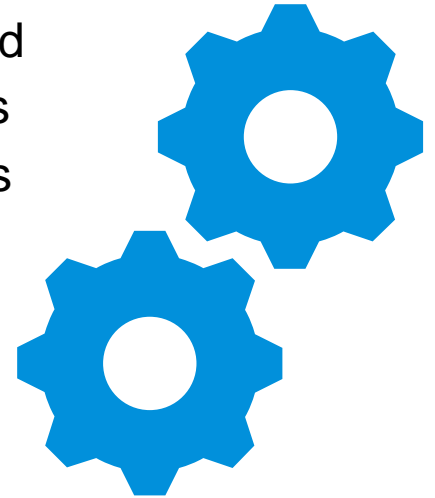
Cross-Functional Collaboration to Advance Research

Cyberinfrastructure and research data management

- Office of Research Integrity and Compliance, Libraries and Academic Innovation, and Research Technology Services submitted NSF proposal to convene regional stakeholders to explore shared infrastructure needs

Hiring on research projects

- Human Resource Management and Development is working closely with OVPR and schools on research job family review and to streamline hiring on research grants



The Year Ahead / OVPR Goals

- Align policies and practices with AAU peer institutions
- Stabilize research administration with an emphasis on shared services and compliance
- Reprise the research ecosystem review with a focus on collaborative programs (Faculty Senate Committee on Research subcommittees created)
- Develop research relationships with regional corporate partners

The Year Ahead / Guiding Principles

- Strengthening interfaces between units and collaborating offices
- Smart investments in research enterprise
 - Renewed emphasis on research university-wide
- Enhanced local support
 - Through close collaboration between and across central, pod, school and departmental

University-wide Celebration of Scholarship and Creativity

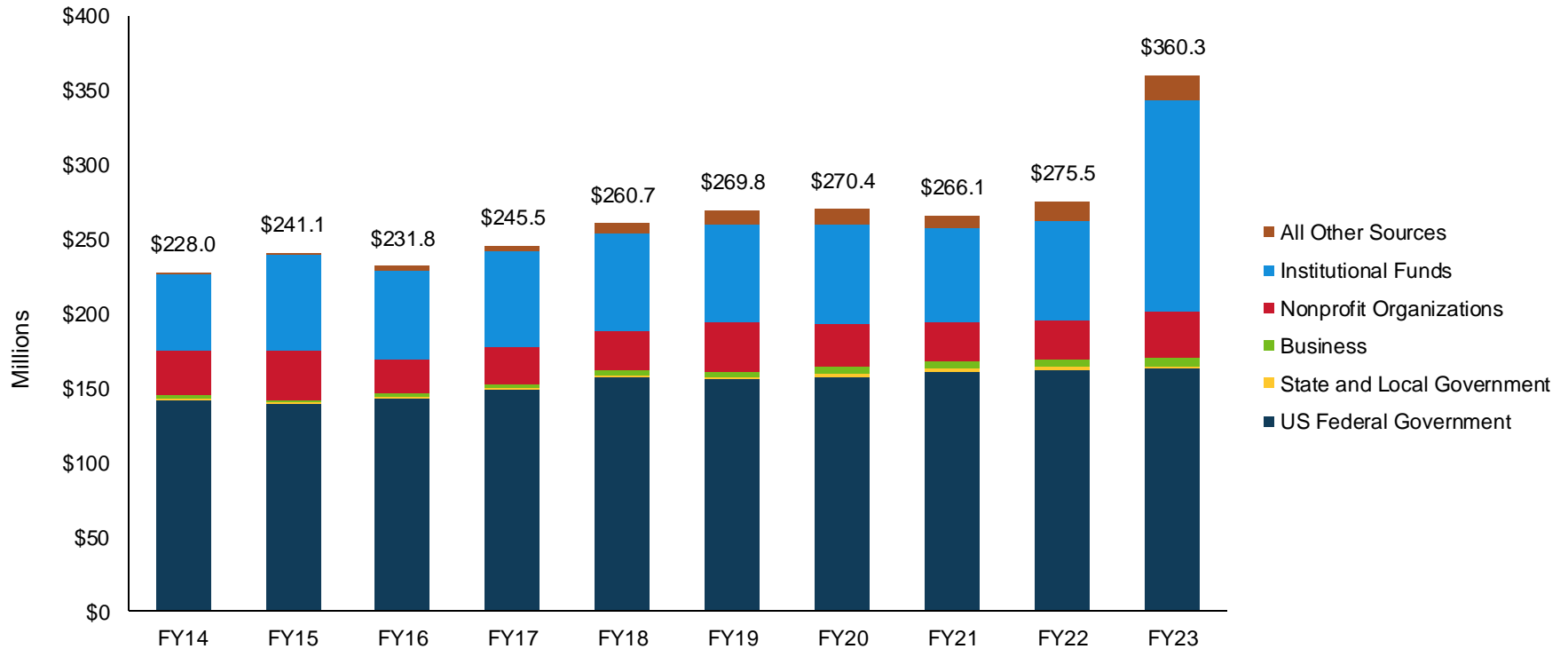
InnovationFest: *Revolutionary Research and Creativity for a Greater World*

- Celebrate GW scholarship and creativity
- Engage external collaborators

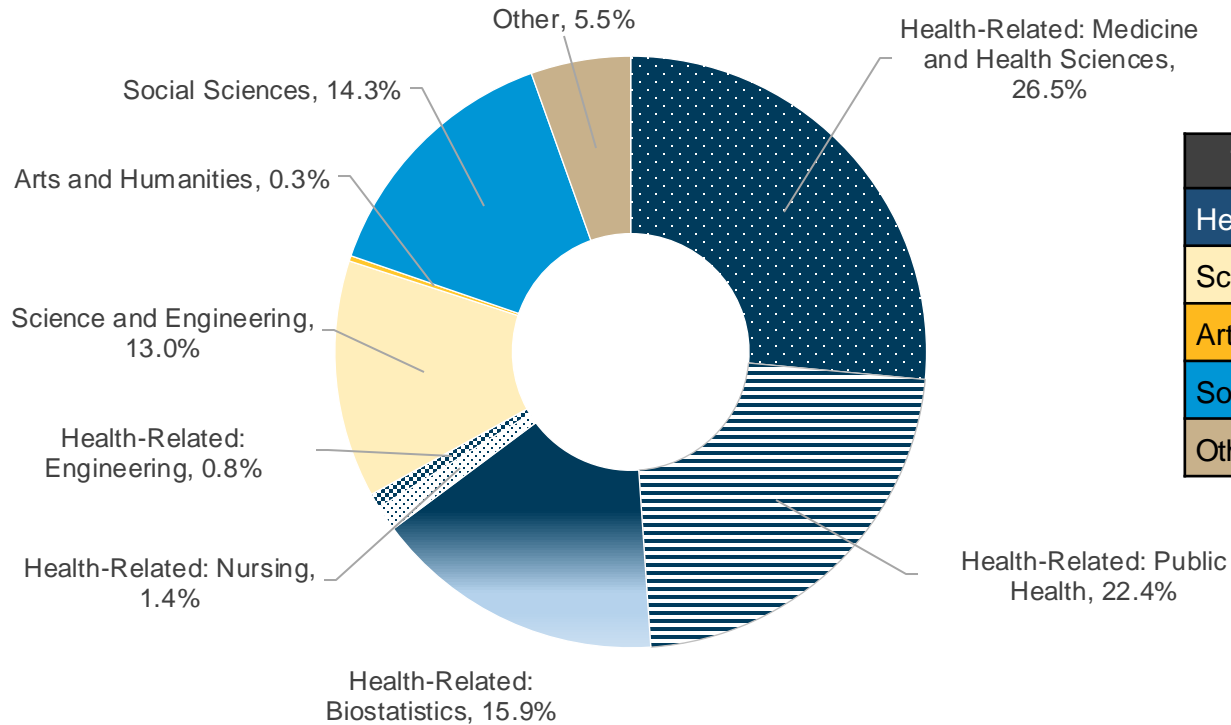
Thursday, May 1, 2025
10am–3pm (tentatively)
Charles E. Smith Center



Total R&D Expenditures by Source (FY14-23) as reported in the NSF HERD survey



Total Expenditures by Types of Research (FY24)



Type of Research	Total \$	% of Total \$
Health-Related	\$157.9M	67.0%
Science & Engineering	\$30.6M	13.0%
Arts & Humanities	\$694K	0.3%
Social Sciences	\$33.6M	14.3%
Other	\$12.9M	5.5%

Upcoming Research & Innovation Events

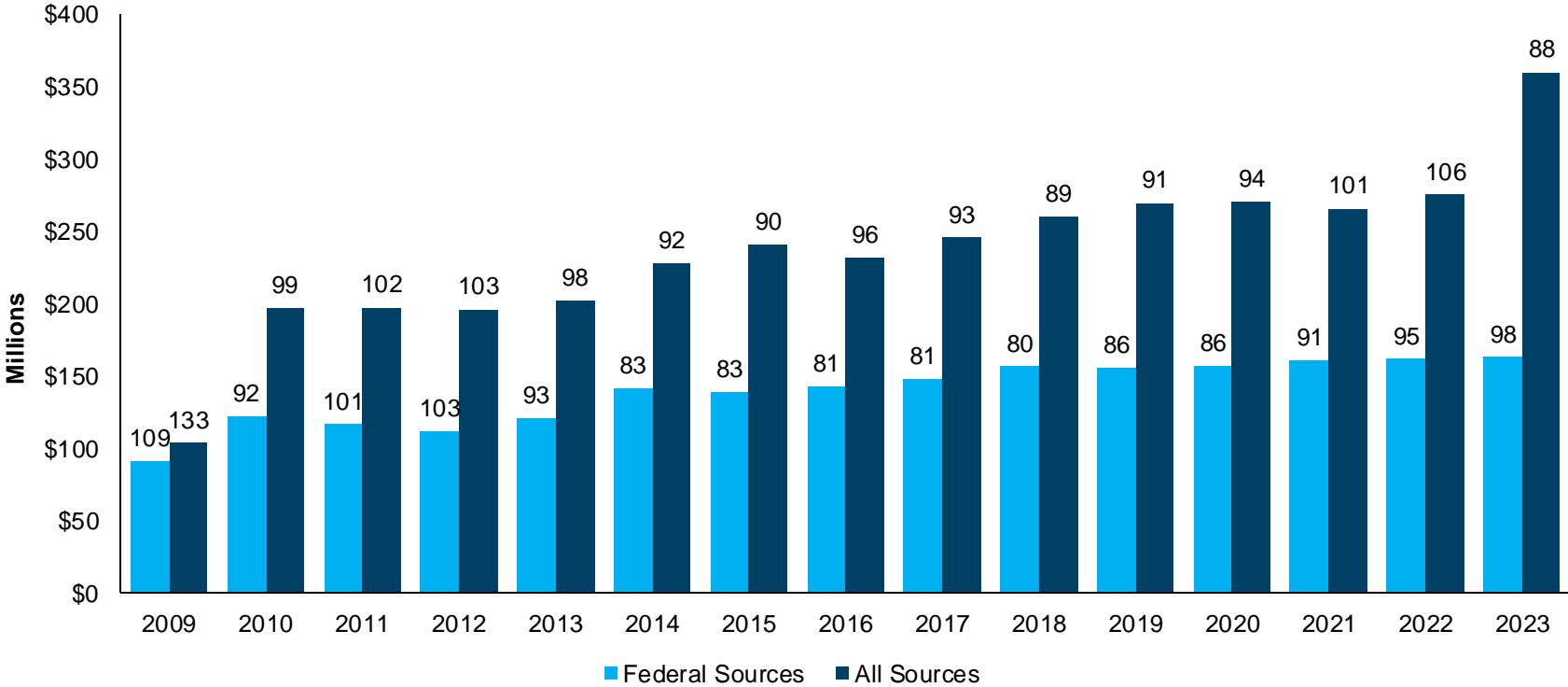
- [Dr. Arati Prabhakar Lecture](#)
January 14, 2025
- [GW @ AAAS Annual Meeting](#)
February 13-15, 2025 (Boston, MA)
- [GW New Venture Competition](#)
Thursday, April 10, 2025
- [InnovationFest \(University-wide\)](#)
Thursday, May 1, 2025
- **DC Science Writers Professional Development Day**
Saturday, May 3, 2025



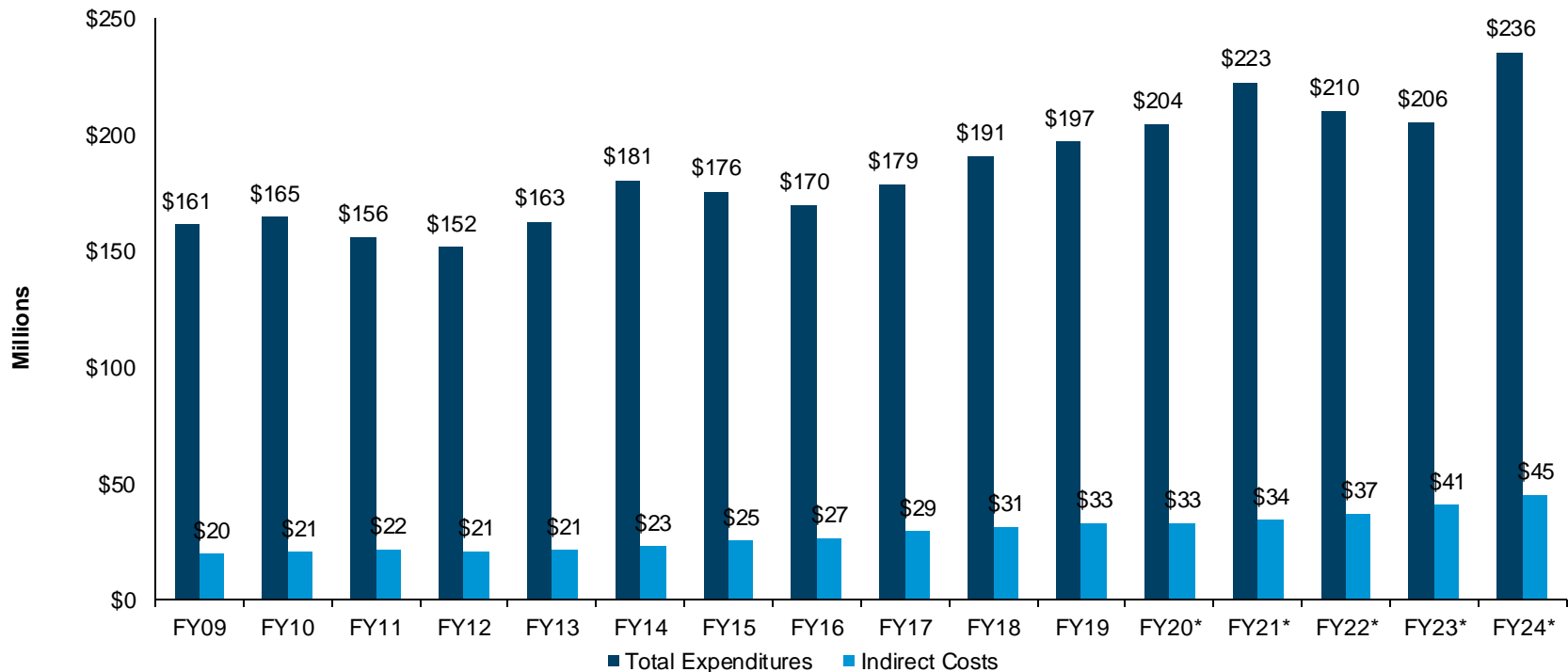
THANK YOU!

APPENDIX

Research Expenditures with HERD Ranking (FY09-23)



Year-End Total Expenditures & Indirects (FY09-24)



*Total expenditures include \$8.8M in CARES Act funding in FY20; \$27.3M in FY21; \$12.8M in FY22; \$3M in FY23; and \$11.7M in FY24. CARES Act funding is not included in NSF HERD survey data.

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