Overview

➢ A Year of Impact

➢ Looking Forward
  o Forging and Strengthening External Collaborations
  o Growing and Supporting GW’s Research Enterprise

➢ Appendix: Additional Impact and Sponsored Research Metrics
A Year of Impact

Cicada Cycle

Meat Bacteria and Health

Gamma-ray Bursts

AI Avatars and Race

Global Trade and the Solar Industry

New Drug Combo to Treat Cancer
A Year of Distinction

AAAS Fellows
Akos Vertes (CCAS) & Chet Sherwood (CCAS)

NSF CAREER Awardees
Gina Adam (SEAS), Ling Hao (CCAS), Fang Jin (CCAS) & Arkady Yerukhimovich (SEAS)

Fulbright Scholars
Hugh Agnew (ESIA), Reid Click (GWSB), Ian Toma (SMHS), Gerald Feldman (CCAS) & Laura Engel (GSEHD)

NLJ Lifetime Achievement Award
Alan Morrison (GW Law)

James S. Jackson Memorial Award
Lisa Bowleg (CCAS)

Johan Skytte Prize in Political Science
Martha Finnemore (ESIA)

bell hooks Legacy Award
Alexa Alice Joubin (CCAS)

2023 Highly Cited Researcher
Herman Aguinis (GWSB)

National Academy of Inventors Fellow
Charles Garris, Jr. (SEAS)
GW Joins AAU

Arizona State University • Georgia Institute of Technology • Indiana University • Michigan State University • The Ohio State University • The Pennsylvania State University • Purdue University • Rutgers University – New Brunswick • Stony Brook University – The State University of New York • Texas A&M University • University at Buffalo – The State University of New York • The University of Arizona • University of California, Davis • University of California, Berkeley • University of California, Los Angeles • Université de Montréal • University of Michigan • University of Minnesota, Twin Cities • University of Missouri, Columbia • University of Notre Dame • University of Oregon • University of Pittsburgh • University of Southern California • Virginia Tech • Washington University in St. Louis • Yale University • McGill University • University of Toronto
AAU Membership Metrics

- Graduation Rates
- Citations
- PhDs Granted
- Books
- Federal Funding
- # of Postdocs
- Pell Enrollment & Graduation
- Industry Funding
- Faculty Honors
Celebrating Academic Excellence

CELEBRATING GW:

A Symposium on the Impact of Academic Excellence
A Publishing Powerhouse: Journals

➢ GW scholars published 3,700+ journal articles, chapters, monographs and more in 2023.

➢ GW research appeared in Science, Nature, Proceedings of the National Academy of Sciences, the American Journal of International Law and other top journals.
A Publishing Powerhouse: Books

➢ GW scholars published **more than 100 books** in 2022 and 2023 on a range of topics.

➢ These works of original scholarship represent years of dedicated effort and wield considerable influence in their respective fields and in the public discourse.
New Cross Disciplinary Initiatives

Alliance for a Sustainable Future

Equity Institute

Global Food Institute
Highlighted Awards

$12 Million

Patient-Centered Outcomes Research Institute
Multi-disciplinary, multi-institutional study to improve shared decision making and patient choice for people with kidney failure, especially patients of advanced age.

$6.4 Million

National Institutes of Health
Study to investigate how the impact of repetitive head injuries from American football and social determinants of health contribute to later-life cognitive function in adult Black male athletes.
Emerging Strengths: AI & Society

$20 Million

National Science Foundation & National Institute of Standards and Technology
Co-lead Institute for Trustworthy AI in Law and Society (TRAILS), focused on developing new AI technologies that promote trust and mitigate risks, while empowering and educating the public.

➢ NSF Research Traineeship on Trustworthy A.I.
➢ Hosted *Athens Roundtable on AI and the Rule of Law* in December 2023
➢ University Seminar Series on A.I. and the Humanities
Emerging Strengths: Workforce Development

**Office of Naval Research**
Multi-institutional effort to create a robust, diverse, and sustainable naval engineering workforce by developing dedicated pathways within the greater D.C. metropolitan area.

**National Institute of Standards and Technology**
Establish the GW Professional Research Experience Program (PREP), offering unique research opportunities with a focus on recruiting talent from underrepresented groups in STEM.

$12 Million

Up to $29.9 Million
Leveraging Our Location

Research!America

Athens Roundtable

DC Science Writers

Cybersecurity Forum

International Women in STEM

University-Industry Demonstration Partnership
Innovation & Entrepreneurship

New Global Programs & Engagements

➢ MOU with World Business Angels Investors Forum

➢ Two GW teams among finalists at international pitch competition

➢ Programs in Korea, Japan, Georgia, Ireland, Armenia, Ukraine, Egypt, Cambodia, European Innovation Council
Innovation & Entrepreneurship

➢ Growing New Venture Competition
➢ Broader adoption of Lean Innovation classroom modules
➢ Micro-internships for GW students to work with international founders
➢ National Academy of Inventors chapter at GW
➢ Two new clinical trials of GW-invented drugs
Looking Forward

**Enhancing GW’s Research Reputation**

➢ GW booth at American Association for the Advancement of Science annual meeting

➢ Hosting live taping of *Science Friday*

➢ NSF proposal under development to offer research administration apprenticeship program

➢ New quarterly GW research e-newsletter

➢ Educational partnership agreement with Naval Postgraduate School
Looking Forward

Strengthening the GW Research Enterprise
➢ … requires cross-functional collaboration and a shared commitment to centering research in all activities.
Onboarding New Scholars and Research Staff

➢ Semester-long Spark to Impact research orientation series
  • Contributions from many units
  • Video-on-demand library
➢ New faculty survey
➢ Small group luncheons with new faculty
➢ GW Research Commons portal
Engagement with Lewis-Burke Associates

➢ Help prepare faculty to pursue federal grants
➢ Continue to grow the university’s federal funding portfolio
➢ 1:1 consultations, targeted e-newsletters, actionable intelligence for GW faculty
➢ https://research.gwu.edu/engaging-lewis-burke-associates
Growing and Supporting GW’s Scholarly Enterprise

**Administrative enhancements to support research and scholarship**

- Recruited new leader for Office of Research Integrity and Compliance (ORIC)
- Reorganized ORIC and appointed an Export Control Officer
- Expanded Pod support for non-school units
- Offered a robust Responsible Conduct of Research seminar series
Growing and Supporting GW’s Scholarly Enterprise

**Providing support to faculty to boost capacity and impact**

- Procured and implemented new digital lab notebook tool (LabArchives)
- Leveraging resources of Hanover Research
- Promoting Federal Work Study as mechanism to staff research projects and engage undergraduates in experiential learning
- Hosting structured faculty writing retreats with University Writing Program
- Hiring Director of Research Development
- New intramural competition, "Center-Scale Seed Fund"
Total R&D Expenditures by Source (FY14-22) as reported in the NSF HERD survey
Total Expenditures by Types of Research (FY23)

<table>
<thead>
<tr>
<th>Type of Research</th>
<th>Total ($)</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health-Related: Medicine and Health Sciences</td>
<td>$138.3M</td>
<td>67.7%</td>
</tr>
<tr>
<td>Science &amp; Engineering</td>
<td>$28.2M</td>
<td>13.7%</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>$519K</td>
<td>0.3%</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>$32.2M</td>
<td>15.7%</td>
</tr>
<tr>
<td>Other</td>
<td>$6.0M</td>
<td>2.5%</td>
</tr>
</tbody>
</table>

- Health-Related: Medicine and Health Sciences, 25.9%
- Social Sciences, 15.7%
- Arts and Humanities, 0.3%
- Science and Engineering, 13.7%
- Health-Related: Biostatistics, 14.4%
- Health-Related: Nursing, 1.4%
- Health-Related: Public Health, 25.1%
- Other, 2.5%
Upcoming Research & Innovation Events

➢ **GW @ AAAS Annual Meeting**
  February 15-17, 2024 (Denver, CO)

➢ **Science Friday Radio Show @ GW**
  Saturday, March 23, 2024

➢ **GW New Venture Competition**
  Thursday, April 11, 2024

➢ **School-based Student Research Celebrations**
  Various dates in April 2024

➢ **GW Research Showcase** *(University-wide)*
  Wednesday, May 1, 2024 (Details coming soon!)*
THANK YOU!
Strengthening the GW Research Enterprise
Responding to Shifting Federal Regulations

➢ A focus on research security
➢ Disclosure requirements
➢ Establishment of a research security program
  • Cybersecurity
  • Foreign Travel
  • Research security training
  • Export control training
➢ GOAL: Make GW scholar compliance as easy as possible
Research Expenditures with HERD Ranking (FY09-22)
Federal expenditures include $8.8M in CARES Act funding in FY20; $27.3M in FY21; and $12.8M in FY22. CARES Act funding is not included in NSF HERD survey data.
Year-End Active Awards (FY14-23)