

# KENNETH M. EVANS

Rice University's Baker Institute for Public Policy  
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## EDUCATION

- Dec 2015      **Ph.D. in Applied Physics**, “Photoresponse of Bowtie Nanojunctions”  
Rice University, Houston, TX, Advisor: Douglas Natelson
- Dec 2012      **M.S. in Applied Physics**  
Rice University, Houston, TX
- May 2008      **B.S. in Physics, B.A. in Mathematics, Spanish Minor**  
University of Virginia, Charlottesville, VA

## PROFESSIONAL APPOINTMENTS

- 2025 – present      **Fellow in Science, Technology, and Innovation Policy**  
Rice University's Baker Institute for Public Policy
- 2024 – present      **Lecturer**  
Wiess School of Natural Sciences, Rice University
- 2024 – present      **Assistant Director for Innovation Policy**  
Rice Innovation, Rice University
- 2019 – 2025      **Scholar in Science and Technology Policy**  
Rice University's Baker Institute for Public Policy
- 2015 – 2019      **Postdoctoral Fellow in Science and Technology Policy**  
Rice University's Baker Institute for Public Policy, with Drs. Neal F. Lane and  
Kirstin R.W. Matthews

## CURRENT PROFESSIONAL ACTIVITIES

- 2026 – present      **Faculty Associate Director**, Jesse Jones Leadership Center Summer in D.C.  
Policy Research Internship Program, Rice University's Baker Institute for Public  
Policy
- 2026 – present      **Member**, Physics and Astronomy SEA Change Sustainability Subcommittee,  
American Association for the Advancement of Science
- 2025 – present      **Member**, Research on Research Security International Working Group, National  
Science Foundation (situational)
- 2025 – present      **Member**, [Forum for Responsible Internationalization and Research Security](#),  
KTH Royal Institute of Technology
- 2025 – present      **Affiliate**, Ken Kennedy Institute, Rice University
- 2022 – present      **Co-Founder, Director**, [White House Scientists Archive](#), Woodson Research  
Center Special Collections and Archives, Fondren Library, Rice University

**Reviewer for:** NSF, NSF Directorate of Social, Behavioral and Economic Sciences, NSF Industry-University Cooperative Research Centers, AAAS SEA Change

**Reviewer for:** Science and Public Policy, Nature Humanities and Social Sciences Communications, Accountability in Research: Policies and Quality Assurance, Frontiers in Research Metrics and Analytics, MIT Science Policy Review, Council of Canadian Academies

**Reviewer for:** AAAS Annual Meeting, Annual Meeting of the Association for Computers and the Humanities, National Conference on Undergraduate Research

## RESEARCH GRANTS

- 2026 – 2029 Alexander, D. (PI), A. Babakhani (co-I), K.M. Evans (co-I), K. Hazzard (co-I), A. Jayich (co-I), K. Kelly (co-I), J. Romberg (co-I), T. Tkaczyk (co-I), C. Wilson (co-I). “Center for Advanced Space Sensing Technologies (CASST).” U.S. Space Force, Space Strategic Technology Institute, \$8,128,658.
- 2026 – 2027 Evans, K.M. (PI) and K.R.W. Matthews (co-PI). “The White House Scientists Archive.” Fondren Fellows Program, Rice University, \$12,600.
- 2025 – 2028 Evans, K.M. (PI) and K.R.W. Matthews (co-PI). “SoS:DCI: New Methods for Measuring Expert Influence.” NSF SBE #2449718, \$400,000.
- 2025 – 2026 Shrivastava, A. (PI), R. Baraniuk (Co-I), A. Patel (Associate), T. Treangen (Associate), K.M. Evans (Associate). “Mathematical Foundations of Unstructured Knowledge-Bases with Large Language Models (LLMs).” Ken Kennedy Institute Research Cluster Initiative, Rice University, \$40,000.
- 2025 – 2026 Evans, K.M. (PI) and K.R.W. Matthews (co-PI). “Computing Cultural Heritage: Processing Physical and Born-digital Data in the White House Scientists Archive.” Fondren Fellows Program, Rice University, \$8,200.
- 2025 – 2026 Evans, K.M. (PI) and T.K. Dao (co-PI). “Advancing Secure and Open Science: Building an International Community for Research on Research Security.” Office of Research, Creative Ventures, Rice University, \$20,000.
- 2024 – 2025 Tao, T.K. (PI), R.C. Bronk (co-PI), K.M. Evans (co-PI), M. Shannon (co-PI), and E. Roberts (co-PI). “Conference: RRSP: Responsible Collaboration through Appropriate Research Security.” NSF OIA #2437135, \$32,083.
- 2024 – 2025 Tao, T.K. (PI), R.C. Bronk (co-PI), K.M. Evans (co-PI), M. Shannon (co-PI), and E. Roberts (co-PI). “Conference: RRSP: Responsible Collaboration through Appropriate Research Security.” NSF OIA Award #2348714, \$74,999.
- 2024 – 2025 Evans, K.M. (PI) and K.R.W. Matthews (co-PI). “Building and Employing New Tools for the Study of U.S. Science Policy.” Fondren Fellows Program, Rice University, \$11,800.
- 2024 – 2026 Evans, K.M. (PI). “Exploring the Role and History of President Clinton's Science Advisors.” Clinton Foundation, \$5,000.
- 2024 – 2025 Evans, K.M. (PI) and J. Traylor (co-PI). “Digital preservation of and increased access to the records of the President’s Committee of Advisors on Science and Technology (PCAST).” Niels Bohr Library & Archives, American Institute of Physics, \$9,462.
- 2024 – 2025 Evans, K.M. (PI), K.R.W. Matthews (co-PI), Mark P. Jones (co-PI), and Luis Campos (co-PI). “Science and the American Presidency.” Office of Research, Creative Ventures, Rice University, \$5,000.

- 2023 – 2024 Evans, K.M. (PI) and K.R.W. Matthews (co-PI). “Exploring and Publicizing the White House Scientist and Science Policy Dynamic Digital Archive through Outreach and Scholarship.” Fondren Fellows Program, Rice University, \$7,700.
- 2022 – 2023 Evans, K.M. (PI). “The President’s Scientists: Understanding the Evolving Role of White House Science Advisors.” Fondren Fellows Program, Rice University, \$6,800.
- 2021 – 2022 Evans, K.M. (PI) and Kirstin R.W. Matthews (co-PI). “Science Advice in the White House: the OSTP & PCAST Digital Archive.” Richard Lounsbery Foundation, \$50,023.
- 2021 – 2022 Evans, K.M. (PI). “Science Advice in the White House: Capturing the Role and Impact of Scientists Serving as Policy Advisors to the President.” Humanities Texas, the state affiliate of National Endowment for the Humanities, \$5,450.
- 2021 – 2022 Evans, K.M. (PI). “Exploring the Origins of the White House Science Advisory Apparatus at the George H.W. Bush Library.” Center for the History of Physics, American Institute of Physics, \$2,500.
- 2020 – 2021 Matthews, K.R.W. (PI) and K.M. Evans (co-PI). “Promoting Scientific Research and Development in the United States and Engaging Invested Stakeholders, Policymakers, and Students.” NSF OIA Award #2042854, \$48,732.
- 2019 – 2023 Matthews, K.R.W. (PI), D.J. Caruso (co-PI), and K.M. Evans (co-PI). “The President’s Scientists: Understanding the Role and Impact of the President’s Council of Advisors on Science and Technology.” NSF SMA SBE Award #1854055, \$321,927.

## ACADEMIC PUBLICATIONS

- K.M. Evans, M. Jernigan, and D. Alexander. “Research Security as Space Risk Management in an Era of Strategic Competition and Scientific Collaboration.” in *Space Risk Management: Securing Progress for Humanity*. Berlin: DeGruyter Brill. *In preparation*.
- Dao, T.K., Shannon, M. and K.M. Evans. “U.S. Research Security: Current Insights and Future Directions.” In Walker-Munroe, B & Shih, T. (Eds.) *Routledge Handbook on Research Security*. London: Routledge. *In press*.
- Evans, K.M., K.R.W. Matthews, and H. Russell. 2026. “A Texas-Sized, Texas-Shaped Approach to Biomedical Research.” *Issues in Science and Technology* **42** 2, (Winter 2026): 44–49. doi: [10.58875/PHXA2478](https://doi.org/10.58875/PHXA2478).
- Shih, T., H. Ördén, K.M. Evans, and H.N. Fung. 2025. “Global Science Disorder.” *SSRN*. Available from: <https://ssrn.com/abstract=5233685>.
- Evans, K.M., and K.R.W. Matthews. 2024. “Public Advocates, Private Advisors: The Autonomy, Function, and Influence of the President’s Council of Advisors on Science and Technology.” *Frontiers in Research Metrics and Analytics* **9**. doi: [10.3389/frma.2024.1455510](https://doi.org/10.3389/frma.2024.1455510).
- Evans, K.M., and K.R.W. Matthews. 2024. “Representing Science: Diversity on the President’s Council of Advisors on Science and Technology.” *Science and Public Policy* **51** 5, 895–909. doi: [10.1093/scipol/scae030](https://doi.org/10.1093/scipol/scae030).

- Dao, T.K., K.M. Evans, R.C. Bronk, C. Neuhauser, E. Roberts, and M. Shannon. 2024. “Responsible Collaboration Through Appropriate Research Security: A Workshop to Discuss and Study the Emergent Discipline of Research on Research Security.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25613/YFR2-1593](https://doi.org/10.25613/YFR2-1593).
- Evans, K.M., G. Hazan, S. Kamepalli, and K.R.W. Matthews. 2021. “U.S. Federal Scientific Research and Development: Budget Overview and Outlook.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25613/m4k0-km64](https://doi.org/10.25613/m4k0-km64).
- Evans, K. M., and K.R.W. Matthews. 2018. “Science Advice to the President and the Role of the President’s Council of Advisors on Science and Technology.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25611/7F6Q-XH35](https://doi.org/10.25611/7F6Q-XH35).
- Matthews, K. R.W., K.M. Evans, and N.F. Lane. 2017. “Science Advice in the Trump White House.” *Science* **355** 6325, 2–4. doi: [10.1126/science.aal4340](https://doi.org/10.1126/science.aal4340).
- Lane, N.F., K.M. Evans, and K.R.W. Matthews. 2016. “The Vital Role of the White House Office of Science and Technology Policy.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25611/09AF-7478](https://doi.org/10.25611/09AF-7478).
- Evans, K.M., P. Zolotavin, and D. Natelson. 2015. “Plasmon-assisted Photoresponse in Ge-coated Bowtie Nanojunctions.” *ACS Photonics* **2** 8, 1192–1198. doi: [10.1021/acsphotonics.5b00250](https://doi.org/10.1021/acsphotonics.5b00250).
- Herzog, J.B., M.W. Knight, Y. Li, K.M. Evans, N.J. Halas, and D. Natelson. 2013. “Dark Plasmons in Hot Spot Generation and Polarization in Interelectrode Nanoscale Junctions.” *Nano Lett.* **13**, 1359–1364. doi: [10.1021/nl400363d](https://doi.org/10.1021/nl400363d).
- Matthews, K.R.W., B.J. Carey, K. M. Evans, and P. Moloney. 2012. “NASA’s Relationship with Nanotechnology: Past, Present, and Future Challenges.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25611/XX9V-RX67](https://doi.org/10.25611/XX9V-RX67).
- Evans, K.M., and K.R.W. Matthews. 2012. “The Importance of Science Advocacy.” *Journal of Science Policy & Governance* **2** 1. doi: [10.25611/26Z7-8Q93](https://doi.org/10.25611/26Z7-8Q93).
- Matthews, K.R.W., K.M. Evans, and N.F. Lane. 2011. “U.S. Scientific Research and Development 202: A Critical Look at the Federal Research and Development Funding System.” *Science Progress*. doi: [10.25611/G3N5-HW09](https://doi.org/10.25611/G3N5-HW09).
- Lo, N., K. Calhoun, K.M. Evans, K.R.W. Matthews, and N.F. Lane. 2010. “C60—A Model for the Future.” Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25611/CBXF-7473](https://doi.org/10.25611/CBXF-7473).
- Wheeler, P.J., J.N. Russom, K.M. Evans, N.S. King, and D. Natelson. 2010. “Shot Noise Suppression at Room Temperature in Atomic-scale Au Contacts.” *Nano Lett.* **10**, 1287–1292. doi: [10.1021/nl904052r](https://doi.org/10.1021/nl904052r).
- Chan, J., B. Burke, K.M. Evans, K.A. Williams, S. Vasudevan, M. Liu, J. Campbell, and A.W. Ghosh. 2009. “Reversal of Current Blockade in Nanotube-based Field Effect Transistors Through Multiple Trap Correlations.” *Phys. Rev. B* **80**, 033402. doi: [10.1103/PhysRevB.80.033402](https://doi.org/10.1103/PhysRevB.80.033402).

## OTHER PUBLICATIONS

Evans, K.M. 2025. “Trump’s second term is reshaping U.S. science with unprecedented cuts and destabilizing policy changes.” *The Conversation US*. doi: [10.64628/AAI.ry6qvuej5](https://doi.org/10.64628/AAI.ry6qvuej5).

Evans, K.M. 2025. “All government shutdowns disrupt science – in 2025, the consequences extend far beyond a lapse in funding.” *The Conversation US*. doi: [10.64628/AAI.ucgd4sfpr](https://doi.org/10.64628/AAI.ucgd4sfpr).

Evans, K.M. 2024. “White House Office of Science and Technology Policy provides in-house science advice for the president.” *The Conversation US*. doi: [10.64628/AAI.dufucseqa](https://doi.org/10.64628/AAI.dufucseqa).

Evans, K.M. 2024. “Trump and Harris Are sharply divided on science, but share common ground on U.S. technology policy.” *The Conversation US*. doi: [10.64628/AAI.qe5jdk6qk](https://doi.org/10.64628/AAI.qe5jdk6qk).

Alexander, D., K.R.W. Matthews, K.M. Evans, N.F. Lane. 2024. “Build Global Partnerships in Space for Lasting Peace and Security.” *Election 2024: Policy Playbook*. Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25613/K12Z-5A08](https://doi.org/10.25613/K12Z-5A08).

Evans, K.M., M.D. Shannon, T.K. Dao, and T. Shih. 2024. “Ground Research Security in Science, Not Speculation.” *Election 2024: Policy Playbook*. Houston, TX: Rice University’s Baker Institute for Public Policy. doi: [10.25613/clr4-p143](https://doi.org/10.25613/clr4-p143).

Natelson, D., K.R.W. Matthews, K.M. Evans, and N.F. Lane. 2024. “Put the Science (and Education) Back in CHIPS and Science.” *Election 2024: Policy Playbook*. Houston, TX: Rice University’s Baker Institute for Public Policy. Available from: <https://www.bakerinstitute.org/research/put-science-and-education-back-chips-and-science>.

Evans, K.M. 2017. “President Trump’s Travel Bans Signal a Long-Term Loss for American Science.” *Association for Women in Science Magazine*. Available from: <https://cdn.coverstand.com/46591/445851/8bc34430bac00748c3e3f58738e7095a34872b73.1.pdf>.

Evans, K.M., P. Moloney, and K. R.W. Matthews. 2012. “Time to Reinvest in Houston’s Greatest Legacy.” *The Houston Chronicle*. Available from: <https://www.bakerinstitute.org/sites/default/files/2013-08/import/STP-pub-NASAOPEd-102812.pdf>.

## INVITED TALKS

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|----------|--|
| Jan 2026 | “Science, Security, and the White House,” Global Security Seminar, Los Alamos National Laboratory, Los Alamos, NM  |
| Dec 2025 | “Science, Security, and the White House,” Center for National Security and International Studies, Los Alamos National Laboratory, Santa Fe, NM   |
| Nov 2025 | “Science and the State: Navigating the Changing Landscape of U.S. Research Policy,” APS Division of Fluid Dynamics Annual Meeting, Houston, TX   |
| May 2025 | “The White House Scientists Archive,” Disciplinary, Interdisciplinary, and Boundary-Spanning Identities in Science, Engineering, and Science Policy, Consortium for Science, Policy and Outcomes, Washington, D.C. |
| Jan 2025 | “U.S. Science and Technology Policy in the Trump Administration,” Responsible Internationalization Workshop, KTH Royal Institute of Technology (virtual)   |

- Sept 2024 “The Role of OSTP in U.S. Research Security Policy,” International Knowledge Relations and Securitization Workshop, Lund University (virtual)
- Oct 2022 “U.S. Science and Technology Policy,” Texas Academy for Marine Policy, Texas A&M University, College Station, TX (virtual)
- June 2019 “The U.S. Federal R&D Budget: Overview and Outlook,” Jefferson Lab Users Organization Annual Meeting, Jefferson Lab, Newport News, VA
- April 2017 “Funding Priorities in the New Administration: Impacts on Science,” Houston Science Policy and Advocacy Group, Baylor College of Medicine, Houston, TX

## **EVENTS & EXHIBITS ORGANIZED**

- Nov 2025 “Joni Sue Lane Lecture Series: A Conversation with Dr. France Córdova,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer)
- Sept 2025 “Science at Risk: Funding the Future of Medical Innovation,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer, welcome)
- Aug 2025 “The Future of American Science: A Conversation with U.S. Rep. Brian Babin,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer)
- March 2025 “Science and the American Presidency,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer, curator)
- March 2025 “Science and Innovation Policy in the Age of AI,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer)
- Feb 2025 “Innovation and the Future of U.S. Research Universities: A Presidential Dialogue,” The Ion, Houston, TX (organizer)
- Feb 2025 “RISEC Forum-Baker Institute Discussion on U.S. Presidential Transition,” KTH Royal Institute of Technology, webinar (organizer, participant)
- Feb 2025 “Research on Research Security: How Science Should Inform Federal Policy,” AAAS Annual Meeting, Boston, MA (organizer)
- Oct 2024 “NSF SECURE Center Roundtable – Southwest Region,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer, participant)
- Sept 2024 “The White House Scientists Archive,” Fondren Library, Houston, TX (curator)
- June 2024 “A Dialogue Between the Academic and Asian American Communities and the FBI,” Rice University’s Baker Institute for Public Policy, Houston, TX (organizer)
- May 2024 “Responsible Collaboration Through Appropriate Research Security,” Rice University’s Baker Institute for Public Policy, Houston, TX (co-chair, organizer)
- Nov 2022 “The President’s Scientists: The Evolving Role of Science Advice to the White House,” Rice University’s Baker Institute for Public Policy, webinar (organizer, moderator)
- Nov 2020 “Infrastructures for Innovation: Aligning Policy and Practice,” T.T. Chao Symposium on Innovation, Rice University’s Baker Institute for Public Policy, webinar (organizer, welcome)

- June 2020 “U.S. Policies on Scientific Cooperation with China: Furthering National Security, Diplomacy, Competitiveness or Discrimination?” Rice University’s Baker Institute for Public Policy, webinar (organizer, moderator)
- Feb 2020 “Human Embryo Research Revisited: Scientific, Ethical, Legal, and Social Issues,” AAAS Annual Meeting, Seattle, WA (organizer)
- Feb 2017 “Unfinished Business: Science Policy for the White House in the New U.S. Administration,” AAAS Annual Meeting, Boston, MA (organizer)

## TEACHING EXPERIENCE

- 2021 – 2025 **Co-Instructor**, NSCI 511: Science Policy and Ethics, Rice University
- 2020 **Co-Instructor**, Developing Civic Scientist Leaders Program, Rice University
- 2016 – 2019 **Guest Lecturer**, NSCI 511: Science Policy and Ethics, Rice University
- 2011 **Teaching Assistant**, PHYS 125: General Physics Laboratory, Department of Physics & Astronomy, Rice University
- 2010 **Teaching Assistant**, PHYS 534: Nanostructures and Nanotechnology II, Department of Physics & Astronomy, Rice University
- 2009 – 2010 **Teaching Assistant**, PHYS 101/102: Mechanics/Electricity and Magnetism Laboratory, Department of Physics & Astronomy, Rice University
- 2007 **Teaching Assistant**, ELEC 407: Introduction to Nanoscience, Department of Electrical and Computer Engineering, University of Virginia

## STUDENT MENTORSHIP

- 2025 – present **Mentor**, Jesse Jones Leadership Center Summer in D.C. Policy Research Internship Program, Rice University’s Baker Institute for Public Policy
- 2024 – present **Mentor**, Summer Undergraduate Research Fellowship, Rice University
- 2023 – present **Mentor**, National Mentoring Community, American Physical Society
- 2022 – present **Mentor**, Fondren Fellows Program, Fondren Library, Rice University
- 2022 – present **Mentor**, Martel College Philos Program, Rice University
- 2020 – present **Co-Sponsor**, Rice Science Policy Network Graduate Student Club
- 2020 – 2021 **Mentor**, Texas Science Policy Fellows Program

## CURRENT AND FORMER STUDENTS

- |  |                           |
|--|---------------------------|
| Jeslyn Cho (undergraduate, Rice University)            | Summer 2025 – present     |
| Amar Kanakamedala (undergraduate, Rice University)     | Summer 2025               |
| Sahil Joshi (graduate student, Rice University)        | Summer 2025               |
| Yujie Xu (graduate student, Rice University)           | Fall 2024 – Spring 2025   |
| Alexa Seaton (undergraduate, Rice University)          | Fall 2024 – Spring 2026   |
| Neethu Pottackal (graduate student, Rice University)   | Fall 2024 – Spring 2025   |
| Aastha Sapkota (undergraduate, Rice University)        | Summer 2024 – Spring 2026 |
| Dilmi Ranpatabendi (graduate student, Rice University) | Fall 2023 – Spring 2024   |

Devin Von Arx (undergraduate, Rice University)	Summer 2023 – Spring 2026
Mason Klemm (graduate student, Rice University)	Summer 2023 – Spring 2025
Manna Treviño (undergraduate, Rice University)	Fall 2022 – Spring 2024
Maria Morkas (undergraduate, Rice University)	Fall 2022
Yufei Qi (undergraduate, Rice University)	Summer 2022 – Spring 2024
Soumya Somani (undergraduate, Rice University)	Fall 2021 – Spring 2024
Yuv Sachdeva (undergraduate, Rice University)	Fall 2021 – Spring 2022
Skye Fredericks (undergraduate, Rice University)	Summer 2021 – Spring 2022
Stanley Tsou (undergraduate, Rice University)	Summer 2020 – Summer 2021
Gabriella Hazan (undergraduate, Rice University)	Fall 2019 – Spring 2021
Brian Lim (graduate student, Baylor College of Medicine)	Fall 2019 – Fall 2020
Katherine Bartos (undergraduate, Rice University)	Fall 2018 – Spring 2022
Rafael Treviño (undergraduate, Harvard University)	Summer 2018
Loah Stevens (graduate student, Rice University)	Fall 2017 – Fall 2018

## CONFERENCE PRESENTATIONS

March 2025	“Public Advocates, Private Advisors: The Evolving Role of Scientists Inside the White House,” APS Global Summit, Anaheim, CA
May 2023	“The Evolving Role of White House Science Advice,” Atlanta Conference on Science and Innovation Policy, Atlanta, GA
March 2023	“The President’s Scientists: The Evolving Role of Science Advice to the President,” AAAS Annual Meeting, Washington, D.C.
Feb 2020	“The Evolving Role of Scientists as White House Policy Advisors,” AAAS Annual Meeting, Seattle, WA (poster)
Oct 2019	“Scientists as Policy Advisors: The Evolving Role of the President’s Council of Advisors on Science and Technology (PCAST),” Atlanta Conference on Science and Innovation Policy, Atlanta, GA
May 2019	“From Nano to Quantum: What NQI Can Learn from NNI,” Governance of Emerging Technologies and Science, Arizona State University, Phoenix, AZ
Feb 2018	“Advising the President on Science Policy and the Role of the President’s Council of Advisors on Science and Technology,” AAAS Annual Meeting, Austin, TX (poster)
March 2014	“Germanium-Based Plasmonic Nanojunctions,” APS March Meeting, Denver, CO
March 2013	“Photoconductance measurements of patterned nanocrystal films in gold nanojunctions,” APS March Meeting, Baltimore, MD
Aug 2012	“Nanocrystal-based Optoelectronic Devices,” Rice Quantum Institute Colloquium, Rice University, Houston, TX
March 2012	“Nanocrystal-based Optoelectronic Devices,” APS March Meeting, Boston, MA
March 2011	“Nanocrystal Optoelectronic Devices by Plasmon-based Optical Trapping,” APS March Meeting, Dallas, TX

- Aug 2010 “Nanocrystal Optoelectronic Devices by Plasmon-based Optical Trapping,” Rice Quantum Institute Colloquium, Rice University, Houston, TX
- Aug 2009 “Single Nanocrystal Optoelectronic Devices,” Rice Quantum Institute Colloquium, Rice University, Houston, TX
- March 2008 “Controlling the Random Telegraph Signal in Carbon Nanotube Field Effect Transistors,” APS March Meeting, New Orleans, LA (poster)
- April 2008 “Controlling the Random Telegraph Signal in Carbon Nanotube Field Effect Transistors,” Undergraduate Research Network Symposium, University of Virginia, Charlottesville, VA (poster)
- Aug 2007 “Spectral Evidence for Systematic Changes in the Electronic Structure of Single-Walled Carbon Nanotubes” Rice Quantum Institute Colloquium, Rice University, Houston, TX (poster)

### **STUDENT & CO-AUTHORED PRESENTATIONS**

- Feb 2026 “From Research to Growth: How STEM Powers the U.S. Economy,” AAAS Annual Meeting, Phoenix, AZ (poster, Aastha Sapkota presenting)
- Feb 2026 “The Implications of Reversing Chevron Deference,” AAAS Annual Meeting, Phoenix, AZ (poster, Jeslyn Cho presenting)
- April 2025 “Employing ML Methods on Digitized FOIA Requests for Improved Discoverability and Policy Research,” Annual Conference of the Texas Library Association, Dallas, TX (poster, Alexa Seaton presenting)
- Aug 2024 “Building and Employing New Digital Resources for the Study of U.S. Scientific Advisors,” Alliance for Digital Humanities Organizations 2024, Arlington, VA (poster, Devin Von Arx presenting)
- June 2024 “The Road From DSpace 6 to DSpace 7 and Beyond: Building (and Building on) Two Modern Digital Repositories at Rice University,” Open Repositories Conference 2024, Göteborg, Sweden (poster, Ying Jin presenting)
- April 2023 “The White House Scientist and Science Policy Dynamic Digital Archive,” Annual Conference of the Texas Library Association, Austin, TX (poster, Jordan Traylor presenting)
- March 2023 “White House Science & Technology Policy: An Analysis of the Clinton White House,” AAAS Annual Meeting, Washington, D.C. (poster, Yufei Qi presenting)
- March 2023 “An Analysis of The Evolution of White House Bioscience Policy Through PCAST Reports,” AAAS Annual Meeting, Washington, D.C. (poster, Soumya Somani presenting)
- Jan 2018 “Science Advice to the President and the Role of PCAST,” Government Decision-making to Allocate Scientific Resources, National Academy of Science, Engineering and Medicine, Washington, D.C. (Kirstin R.W. Matthews presenting)
- Oct 2017 “Science Policy and Advice in the Trump Administration,” Texas A&M Institute of Biosciences & Technology, Houston, TX (Kirstin R.W. Matthews presenting)

### **OUTREACH ACTIVITIES**

- Feb 2026 Guest Speaker, Career Opportunities in Biomedical Policy, BioSciences Research Collaborative, Rice University, Houston, TX

Nov 2025 Participant, French American Innovation Days, Rice Space Institute, Houston, TX

Nov 2025 Guest Speaker, “The Baker Institute Science and Technology Policy Program,” MENA Space Policy Initiative, Rice University, Houston, TX

Oct 2025 Guest Speaker, “U.S. Space Policy: Past, Present, and Future,” NSCI 502: Space Studies Seminar, Rice University, Houston, TX

Oct 2025 Guest Speaker, “The Baker Institute Research Security Program,” Texas Policy Forum, Texas State Capitol, Austin, TX

Oct 2025 Panelist, “Science Policy and Why it Matters,” C60 at 40, Rice University, Houston, TX

April 2025 Judge, Baker Institute Student Forum Policy Competition, Rice University, Houston, TX

March 2025 Panelist, “The Right to Know: Protecting and Expanding Access to Public Records,” American Library Association (virtual)

Nov 2024 Guest, “The DUG Hour,” KTRU Rice Radio 96.1FM, Rice University, Houston, TX

Nov 2024 Participant, Forming Transatlantic Collaboration on Responsible Internationalization and Research Security Workshop, Embassy of Sweden, Washington, DC

June 2024 Guest Speaker, Leipzig Life Sciences Delegation, German American Chamber of Commerce of the Southern US, Houston, TX

May 2024 Guest Speaker, STEM Lab, Betsy Ross Elementary School, Houston, TX

May 2024 Panelist, Asian Pacific American (APA) Justice Monthly Meeting (virtual)

April 2024 Panelist, NSF Career Award Broader Impacts Panel, Office of Research Development, Rice University, Houston, TX

Feb 2024 Guest Speaker, Career Opportunities in Biomedical Policy, BioSciences Research Collaborative, Rice University, Houston, TX

Nov 2023 Participant, Meeting of the U.S. National Artificial Intelligence Advisory Committee (NAIAC) (virtual)

Sept 2023 Guest Speaker, Baker Institute Health Policy Workshop, Rice University, Houston, TX

Feb 2023 Guest Speaker, Career Opportunities in Biomedical Policy, BioSciences Research Collaborative, Rice University, Houston, TX

Feb 2023 Panelist, Career Pathways in Science Policy, Rice Effective Altruism, Rice University, Houston, TX

April 2022 Panelist, Incorporating Science Communication in Your Career, Symposium on Science Communication and Public Engagement, Rice University, Houston, TX

Feb 2022 Guest Speaker, Career Opportunities in Biomedical Policy, BioSciences Research Collaborative, Rice University, Houston, TX

July 2021 Panelist, Career Paths in Biomedical Sciences: Different Flavors of Science, MD Anderson, Houston, TX (virtual)

Oct 2020 Panelist, Policy as Profession Career Panel, Rice University Baker Institute Student Forum, Houston, TX (virtual)

March 2020 Judge, Rice Student Association Sustain-a-thon, Houston, TX

- Jan 2020 Panelist, “What Do You Want To Be When You Grow Up In Space?” NASA Human Research PI Workshop, Galveston, TX
- Dec 2019 Guest Speaker, Career Day, Sugar Land Middle School, Houston, TX
- Oct 2019 Guest Speaker, “Science and Technology: Good, Bad, or Both?” Blanson Career and Technical Education High School, Houston, TX
- April 2019 Guest Speaker, “Trump’s Science Policy,” Policy Matters Podcast, Rice University’s Baker Institute for Public Policy, Houston, TX (virtual)
- Feb 2019 Panelist, Annual Postdoctoral Careers Symposium, Texas Medical Center, Houston, TX
- Oct 2017 Panelist, “Opportunities in Public Policy,” Rice University Succeed! Panel Discussion, Houston, TX
- April 2017 Guest Speaker, “Trump in Context: History of Science in the White House,” Taste of Science Houston, Houston, TX
- Feb 2017 Panelist, Annual Presidential Career Symposium, Texas Medical Center, Houston, TX
- Feb 2014 Judge, Science & Engineering Day, KIPP Academy Middle School, Houston, TX
- Feb 2013 Judge, Science & Engineering Day, KIPP Academy Middle School, Houston, TX

#### **SELECTED MEDIA MENTIONS**

*STAT News*, “[With federal research funding uncertain, states debate new science initiatives](#),” by Anil Oza, February 20, 2026

*Nature*, “[U.S. grant applicants surge at prestigious European research agency](#),” by Elizabeth Gibney, February 6, 2026

*Inside Higher Ed*, “[Trump Seeks to Silence Critics. These Scholars Are Pushing Back](#),” by Susan D’Agostino, February 2, 2026

*Nature*, “[The U.S. government shutdown is over: what’s next for scientists](#),” by Jeff Tollefson, Alexandra Witze, and Dan Garisto, November 13, 2025

*Nature*, “[Trump’s chief science adviser faces a storm of criticism: what's next?](#)” by Jeff Tollefson, August 12, 2025

*South China Morning Post*, “[How China used rare earths and the U.S. playbook to turn on the chip tap again](#),” by Holly Chik, August 7, 2025

*The Chronicle of Higher Education*, “[Trump Proposed Slashing the National Science Foundation’s Budget. A Key Senate Committee Just Refused](#),” by Megan Zahneis, July 18, 2025

*Nature*, “[U.S. senators poised to reject Trump’s proposed massive science cuts](#),” by Dan Garisto and Alexandra Witze, July 10, 2025

*Physics Today*, “[U.S. research enterprise seeks to retain leadership while upping security](#),” by Toni Feder, June 1, 2025

*Nature*, “[Trump proposes unprecedented budget cuts to U.S. science](#),” by Jeff Tollefson, Dan Garisto, Max Kozlov, and Alexandra Witze, May 8, 2025

*Nature*, “[NSF slashes prestigious Ph.D. fellowship awards by half](#),” by Dan Garisto, April 9, 2025

*Nature*, “[Trump team orders huge government layoffs: how science could fare](#),” by Dan Garisto, Max Kozlov, and Jeff Tollefson, February 28, 2025

*The New York Times*, “[The White House Frames the Past by Erasing Parts of It](#),” by Tiffany Hsu, April 5, 2025

*Nature*, “[Trump’s science advisers: how they could influence his second presidency](#),” by Dan Garisto and Jeff Tollefson, January 17, 2025

*South China Morning Post*, “[Could growing Washington consensus on China tech curbs backfire on the U.S.?](#)” by Holly Chik, November 5, 2024

## ORAL HISTORY INTERVIEWS

Harold T. Shapiro, interview by [K.M. Evans](#) and D.J. Caruso via Zoom, 15 February 2021 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/ay35kiq>.

Maxine Savitz, interview by D.J. Caruso and [K.M. Evans](#) via Zoom, 1 and 8 July 2021 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/fnw4aag>.

Barbara A. Schaal, interview by D.J. Caruso and [K.M. Evans](#) via Zoom, 26 May and 30 June 2022 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/af5v4ke>.

Shirley Mahaley Malcom, interview by D.J. Caruso, [K.M. Evans](#), and K.R.W. Matthews via Zoom, 5 and 25 August 2020 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/mrwh24g>.

Norman R. Augustine, interview by D.J. Caruso, [K.M. Evans](#), K.R.W. Matthews via Zoom, 22 Sept and 15 Oct 2020 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/mrwh24g>.

Luis Proenza, interview by [K.M. Evans](#) and D.J. Caruso, via Zoom, 16 July and 6 August 2021 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/5dfxmcu>.

Thomas E. Lovejoy III, interview by D.J. Caruso and [K.M. Evans](#) via Zoom, 7 and 30 July 2021 (Houston and Philadelphia: Rice University’s Baker Institute for Public Policy and the Science History Institute). Available from: <https://digital.sciencehistory.org/works/3e016iz>.

## PREVIOUS PROFESSIONAL ACTIVITIES

2024 – 2026      **Fellow**, Clinton Presidential Research Fellowship, William J. Clinton Presidential Library and Museum

2019 – 2020      **Member**, Baker Institute Soil Carbon Working Group

- 2018 – 2021 **Report Staff**, “[The Perils of Complacency: America at a Tipping Point in Science & Engineering](#).” American Academy of Arts and Sciences and Rice University’s Baker Institute for Public Policy
- 2012 – 2015 **Editor**, Journal of Science Policy & Governance

### **PROFESSIONAL MEMBERSHIPS**

- 2024 – present National Society of Black Physicists
- 2024 – present Association for Computers and the Humanities
- 2017 – present American Association for the Advancement of Science
- 2010 – present American Physical Society

### **HONORS & AWARDS**

- 2024 DH2024 Bursary, Alliance for Digital Humanities Organizations, George Mason University
- 2021 2021 Graduate Student Organization of the Year, Rice Science Policy Network, Rice University
- 2018 Distinguished University Associate, Martel College, Rice University
- 2010 National Science Foundation Graduate Research Fellowship Program Honorable Mention
- 2007 Schlumberger Award, Rice Quantum Institute, Rice University
- 2002 Eagle Scout