

**Daniel P. Gross**  
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### Academic Employment

July 2026 Associate Professor (with tenure), Duke Fuqua School of Business  
 2024 – 2026 Associate Professor (without tenure), Duke Fuqua School of Business  
 2020 – 2024 Assistant Professor, Duke Fuqua School of Business  
 2019 (spring) Visitor, MIT Sloan School of Management  
 2018 (fall) Visitor, Duke Fuqua School of Business  
 2016 – 2020 Assistant Professor, Harvard Business School  
 2015 – 2016 Postdoctoral Fellow, Harvard Business School  
 2015 – 2016 Postdoctoral Fellow, National Bureau of Economic Research

### Professional Affiliations

2016 – present Faculty Research Fellow, National Bureau of Economic Research  
 Program memberships: *Development of the American Economy*  
*Productivity, Innovation, and Entrepreneurship*

### Education

2015 Ph.D., Economics, University of California – Berkeley, Berkeley, CA  
 2008 B.A., Mathematics and Economics, Tufts University, Medford, MA

### Teaching Experience

2023 – present Foundations of Strategy, Daytime MBA, Duke Fuqua School of Business  
 2020 – 2024 Foundations of Strategy, Weekend MBA, Duke Fuqua School of Business  
 2016 – 2020 RC Strategy, Daytime MBA, Harvard Business School

### Publications (organized by topic; alphabetical author order)

#### **Crisis Innovation and the U.S. Innovation System**

- Azoulay, Pierre, **Daniel P. Gross**, and Bhaven N. Sampat. 2025. “Indirect Cost Recovery in U.S. Innovation Policy: History, Evidence, and Avenues for Reform.”  
 Forthcoming in *NBER Entrepreneurship and Innovation Policy and the Economy*.  
 Media coverage: [New York Times](#), [STAT News](#), [Project Syndicate](#), [Good Science Project](#), [Information Technology and Innovation Foundation](#), [NBER Reporter](#), [NBER Digest](#), [Fuqua Insights Podcast](#), [StateCraft](#)  
 Citations in legislation: [Report of the House Appropriations Committee regarding the FY2026 budget for the Labor, Health and Human Services, Education, and Related Agencies](#)  
 Citations in legal decisions or amicus briefs in the following federal court cases: Commonwealth of Massachusetts v. National Institutes of Health (D. Mass. 1:25-cv-10338), Association of American Universities v. Department of Defense (D. Mass. 1:25-cv-11740), Association of American Universities v. Department of Energy (D. Mass. 1:25-cv-10912-ADB)
- **Gross, Daniel P.** and Bhaven N. Sampat. 2025. “The Government Patent Register: A New Lens on Historical U.S. Government-Funded Patenting.” *Research Policy*, 54(1), 105142.

- **Gross, Daniel P.** and Bhaven N. Sampat. 2023. “America, Jump-started: World War II R&D and the Takeoff of the U.S. Innovation System.” *American Economic Review*, 113(12), 3323-3356.  
 Media coverage: [New York Times](#), [Axios](#), Brookings Institution ([1](#), [2](#)), [American Enterprise Institute](#), [Mises Institute](#), [AEA Research Highlights](#), [NBER Digest](#), [Project Syndicate](#)  
 Example policy citations: [2023](#) and [2024 Economic Report of the President](#), [OECD](#), [WIPO](#), [United Nations](#)  
 Citations in legal decisions or amicus briefs in the following federal court cases: Commonwealth of Massachusetts v. National Institutes of Health (D. Mass. 1:25-cv-10338); President and Fellows of Harvard College v. US Department of Health and Human Services (D. Mass. 1:25-cv-11048)
- **Gross, Daniel P.** and Bhaven N. Sampat. 2023. “The World War II Crisis Innovation Model: What Was It, and Where Does It Apply?” *Research Policy*, 52(9), 104845.  
 Media coverage: [AAAS](#), [American Enterprise Institute](#), [New Things Under the Sun](#), [LSE Impact Blog](#)  
 Example policy citations: [2024 Economic Report of the President](#)
- **Gross, Daniel P.** 2023. “The Hidden Costs of Securing Innovation: The Manifold Impacts of Compulsory Invention Secrecy.” *Management Science*, 69(4), 2318-2338.  
 Media coverage: [NBER Digest](#), [HBS Working Knowledge](#), [VoxEU](#), [New Things Under the Sun](#)
- **Gross, Daniel P.** and Bhaven N. Sampat. 2022. “Crisis Innovation Policy from World War II to COVID-19.” *NBER Entrepreneurship and Innovation Policy and the Economy*, 1, 135-181.  
 Media coverage: [The Atlantic](#), [NPR](#), [Duke Fuqua Insights](#)  
 Example policy citations: [European Commission](#), [Finland Ministry of Finance](#)
- **Gross, Daniel P.** and Bhaven N. Sampat. 2021. “The Economics of Crisis Innovation Policy: A Historical Perspective.” *AEA Papers & Proceedings*, May 2021, 11, 346-350.  
 Media coverage: [American Enterprise Institute](#)  
 Example policy citations: [European Commission](#)

## Automation and Technology Adoption

- Feigenbaum, James J. and **Daniel P. Gross**. 2024. “Answering the Call of Automation: How the Labor Market Adjusted to the Mechanization of Telephone Operation.” *The Quarterly Journal of Economics*, 193(3), 1879-1939.  
 Media coverage: [Vox](#), [NPR Marketplace](#), [NPR Planet Money](#), [Freakonomics podcast](#), [TechRepublic](#), [Brookings Institution](#), American Enterprise Institute ([1](#), [2](#), [3](#), [4](#)), [Cato Institute](#), [Washington Center for Equitable Growth](#), [UN International Labour Organization](#), [World Economic Forum](#), [Broadstreet](#), [Visible Hand podcast](#), [The Argument](#)  
 Example policy citations: [U.S. Council of Economic Advisors + European Commission](#), [United Nations](#), [World Bank](#)
- Feigenbaum, James J. and **Daniel P. Gross**. 2024. “Organizational and Economic Obstacles to Automation: A Cautionary Tale from AT&T in the Twentieth Century.” *Management Science*, 70(12), 8520-8540.  
 Media coverage: [The Economist](#), [American Enterprise Institute](#), [80,000 Hours](#)  
 Example policy citations: [International AI Safety Report](#)
- **Gross, Daniel P.** 2020. “Collusive Investments in Technological Compatibility: Lessons from U.S. Railroads in the Late 19th Century.” *Management Science*, 66(12), 5683-5700.  
 Media coverage: [Cato Institute](#)
- **Gross, Daniel P.** 2018. “Scale versus Scope in the Diffusion of New Technology: Evidence from the Farm Tractor.” *RAND Journal of Economics*, 49(2), 427-452.  
 Media coverage: [The Economist](#), American Enterprise Institute ([1](#), [2](#))

## **Managing Creative Workers**

- **Gross, Daniel P.** 2020. “Creativity Under Fire: The Effects of Competition on Creative Production.” *The Review of Economics & Statistics*, 102(3), 583-599.  
Media coverage: [New York Times](#), [Freakonomics podcast](#), Harvard Business Review (Vol. 98, Issue 3, pp. 24-26), [Harvard Business Review France](#), [Inc. Magazine](#), [LiveMint](#), [Freelancer.com](#), [VoxEU](#), [HBS Working Knowledge](#)
- **Gross, Daniel P.** 2017. “Performance Feedback in Competitive Product Development.” *RAND Journal of Economics*, 48(2), 438-466.

## **Working Papers**

- **Daniel P. Gross**, Bhaven N. Sampat, and Hansen Zhang. 2026. “Retreating from Science: The Long-Run Effects of the 1970s U.S. Military Disinvestment from Research.”
- Shvadron, Dror, Hansen Zhang, Lee Fleming, and **Daniel P. Gross**. 2025. “A Quarter of US-Trained Scientists Eventually Leave. Is the US Giving Away Its Edge?” Working paper.
- Shvadron, Dror, Hansen Zhang, Lee Fleming, and **Daniel P. Gross**. 2025. “Funding the U.S. Scientific Training Ecosystem: New Data, Methods, and Evidence.” NBER working paper 33944. Revise & resubmit at *Research Policy*.  
Media coverage: [Forbes](#), [Maryland Today](#)
- **Gross, Daniel P.** and Bhaven N. Sampat. 2025. “The Therapeutic Consequences of the War: World War II and the 20th Century Expansion of Biomedicine.” NBER working paper 33457. Revise & resubmit at the *Review of Economic Studies*.  
Media coverage: [NBER Digest](#), [Harvard Gazette](#), [Duke Fuqua Insights](#), [NBER Reporter](#), [NPR Planet Money](#)
- **Gross, Daniel P.** and Maria P. Roche. 2025. “Coordinated R&D Programs and the Creation of New Industries.” Working paper.
- Colaiacovo, Innessa, **Daniel P. Gross**, and Jorge A. Guzman. 2024. “The Composition and Dynamics of Technology-enabled Entrepreneurship.” Revise & resubmit at *Strategic Management Journal*.  
Media coverage: [Entrepreneur Magazine](#)

## **Comments, Legal Briefs, and Other Writing**

- Azoulay, Pierre, **Daniel P. Gross**, and Bhaven Sampat. “Indirect Cost Recovery and American Innovation: Context and Ideas for Reform.” Institute for Progress policy brief. 2025.
- Azoulay, Pierre, **Daniel P. Gross**, Lisa Ouellette, and Bhaven Sampat. Amicus Curiae brief in Commonwealth of Massachusetts v. National Institutes of Health (25-1343), Association of American Medical Colleges v. National Institutes of Health (25-1344), Association of American Universities v. Department of Health and Human Services (25-1345). Filed June 16, 2025.
- **Gross, Daniel P.** Comment on Paul Scharre’s (2023) “Four Battlegrounds for Artificial Intelligence.” Forthcoming in NBER Economics of AI conference volume. Published 2025.
- **Gross, Daniel P.** and Bhaven N. Sampat. “Crisis Innovation: Historical Evidence, Insights, and Open Questions.” NBER Reporter quarterly research summary. Published 2022.

## **Published/Public Datasets**

- Shvadron, Dror, Hansen Zhang, Lee Fleming, and **Daniel P. Gross**. 2025. “Panel Data on U.S. STEM PhD graduates, 1950-2022.” <https://doi.org/10.7910/DVN/LSHUB1>, Harvard Dataverse, V1.

- **Gross, Daniel P.** and Bhaven N. Sampat. 2024. “The Government Patent Register: Data and Documentation.” <https://doi.org/10.7910/DVN/BDCCN9>, Harvard Dataverse, V4.
- **Gross, Daniel P.** and Bhaven N. Sampat. 2024. “Data from the U.S. Office of Scientific Research and Development (OSRD) in World War II.” <https://doi.org/10.7910/DVN/POO1ZH>, Harvard Dataverse, V1.
- **Gross, Daniel P.** 2023. “USPTO Patent Secrecy Orders in World War II.” <https://doi.org/10.7910/DVN/6ZAJGK>, Harvard Dataverse, V1.

### **Research in Progress**

- Economic espionage and trade secret theft in the 21<sup>st</sup> century
- Impacts of organizational restructuring at the National Institutes of Health
- Effects of large-scale international technology transfer on national innovation capacity
- Interdependence in production systems as a source of technology lock-in
- Automation and the decline of organized labor in America

### **Cases and Teaching Notes**

- “PeopleAnswers (A): People Analytics.” HBS Case 720-432, July 2020. (with Christian Godwin)
- “PeopleAnswers (B): The Infor Acquisition.” HBS Case 720-433, July 2020. (with Christian Godwin)
- “PeopleAnswers (A) and (B).” HBS Teaching Note 720-434, July 2020. (with Christian Godwin)
- “AT&T: Managing Technological Change and the Future of Telephone Operators in the 20th Century.” HBS Case 718-486, May 2018. (with William R. Kerr)
- “AT&T: Managing Technological Change and the Future of Telephone Operators in the 20th Century.” HBS Teaching Note 718-518, May 2018. (with William R. Kerr)
- “The De Beers Group: Exploring the Diamond Reselling Opportunity.” HBS Case 717-430, February 2017. (with Benjamin C. Esty and Lauren G. Pickle)
- “The De Beers Group: Exploring the Diamond Reselling Opportunity.” HBS Teaching Note 717-481, June 2017. (with Benjamin C. Esty and Lauren G. Pickle)
- “The De Beers Group: Exploring the Diamond Reselling Opportunity.” HBS Spreadsheet Supplement 717-806, February 2017. (with Benjamin C. Esty and Lauren G. Pickle)

### **Research Grants**

*Total funds raised since 2020: \$1.2 million as PI, \$25,000 as co-PI.*

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| 2025 – 2026 | Technology Competitiveness and Industrial Policy Center (TCIP), “Mapping the U.S. Scientific Training Ecosystem: New Data, Methods, and Evidence” (\$25,000). With Lee Fleming (PI) and Dror Shvadron (co-PI). |
| 2024 – 2027 | National Science Foundation (NSF), “The Decline of Government R&D in U.S. Innovation: Establishing Facts and Evaluating Consequences” (\$474,942).   |
| 2024 – 2025 | Duke University (SPARK), “Organized Labor, Employment, and Reskilling in an Age of Automation: Lessons from the U.S. Newspaper Industry” (\$88,144). Co-PI: Matt Johnson.                                      |
| 2023 – 2025 | Sloan Foundation, “The Level, Composition, and Impacts of U.S. Federal Support for Scientific Training in the Postwar Era” (\$112,570).  |

- 2020 – 2024 National Science Foundation (NSF) , “The Effects of the World War II Research Effort on Postwar U.S. Science, Technology, and Innovation” (\$505,566). Co-PI: Bhaven Sampat.
- 2016 – 2017 National Bureau of Economic Research (NBER), “The Effects of the World War II Research Effort on Postwar U.S. Science, Technology, and Innovation” (\$10,000).

### **Fellowships**

- 2014 – 2015 Graduate Fellowship, Economic History Association
- 2011 – 2015 Graduate Research Fellowship, National Science Foundation
- 2010 – 2014 Regent’s Intern Fellowship, University of California

### **Conference and Seminar Talks**

(\* marks conference presentations given by coauthors, tracked since 2024)

- 2025-2026 *Seminars (including scheduled):* Northwestern University (Kellogg), Boston University (Questrom), Collegio Carlo Alberto (Turin). *Conferences/workshops (including scheduled):* NBER Summer Institute (Innovation), Economic History Association Annual Meeting, ASSA Annual Meeting (x2), UCLA Economic History Mini-conference
- 2024-2025 *Seminars:* WashU Olin (Strategy), Virtual Seminar on Innovation and Growth, Maryland Smith (Strategy), Wharton (Evolution and Organization of Industries series), Warwick Business School (Entrepreneurship & Innovation). *Conferences/workshops:* Bocconi Assembly for Innovation and Cooperation, Industry Studies Association annual conference\*, SMS Palermo\*, NBER Entrepreneurship and Innovation Policy and the Economy\*, NBER Early Career Scientists conference, KU Leuven Summer School on Data and Algorithms for ST&I Studies\*
- 2023-2024 *Conferences/workshops:* NBER Summer Institute (x2, DAE and Innovation), NBER Innovation Information Initiative\*, Economic History Association annual meeting, Conference on the Economics of Innovation in Memory of Zvi Griliches, International Conference on the Science of Science and Innovation\*
- 2022-2023 *Conferences/workshops:* University of Chicago Emergence of Innovation in New Places workshop, Strategy Science annual conference, Strategy Research Forum annual workshop, Munich Summer Institute, NBER Organizational Economics, AAAS annual meeting, Workshop on Entrepreneurial Finance and Innovation, Wharton Corporate Strategy Conference, NBER Economics of AI, SMS annual meeting (x2)
- 2021-2022 *Seminars:* Harvard Kennedy School (CID), Clemson University (Economics), Duke University Fuqua School of Business (summer series); *Conferences/workshops:* Barcelona Summer Forum (Economics of Science and Innovation), DRUID, INSEAD Doriot conference, Strategy Science Annual Conference, Wharton/Columbia Management, Analytics, and Data Conference, International Conference on the Science of Science and Innovation, NBER Development of the American Economy, Taiwan Symposium on Innovation Economics and Entrepreneurship, American Economic Association annual meeting, NBER Innovation Information Initiative, Summer School on Data & Algorithms for ST&I studies, NBER Summer Institute (x2, DAE and IT & Digitization)
- 2020-2021 *Seminars:* Northwestern University (x2, Kellogg Strategy and Economics), Harvard University (Economics), Ohio State University (Economics), UC Merced (Economics), Sant’Anna School of Advanced Studies; *Conferences/workshops:* NBER Entrepreneurship and Innovation Policy and the Economy conference, Strategy Science annual conference,

American Economic Association annual meeting (x3), APPAM annual conference, Econometric Society World Congress

- 2019-2020 *Seminars:* Stanford University (Economics), UC Davis (Economics), U.S. Census Bureau; *Conferences/workshops:* Urban Economics Association annual meeting, AOM annual meeting, NYU Stern Strategy Workshop, Hebrew University Conference on Technology Governance & Regulation, NBER Summer Institute (Innovation)
- 2018-2019 *Seminars:* Duke University Fuqua School of Business (Strategy), Boston University (TPRI), Harvard University (Economics), Harvard Business School (Strategy), ETH Zurich (x2), University of Luxembourg (Economics); *Conferences/workshops:* Northwestern Searle Center Conference on Innovation Economics, IIOC annual conference, Southern Economic Association annual meeting, World Economic History Congress (x2)
- 2017-2018 *Seminars:* NYU Stern (Strategy), Harvard Business School (Strategy), Florida State University (Economics); *Conferences/ workshops:* London School of Economics Innovation Conference, NBER Productivity Lunch, Georgia Tech REER, Duke Fuqua Junior Strategy Workshop, NBER Development of the American Economy
- 2016-2017 *Seminars:* U.S. Census Bureau, Hebrew University (Economics), Tel Aviv University (Economics), NYU Stern (Economics), Vanderbilt University (Economics), LMU-Munich (Economics), University of Frankfurt (Economics), Max Planck Institute for Competition and Innovation, Harvard University (Economics), Harvard Business School (Strategy), Tufts University (Economics); *Conferences/workshops:* Northwestern Searle Center Conference on Innovation Economics, American Economic Association annual meeting, INFORMS annual meeting, NYU-ETH Zurich Design Conference
- 2015-2016 *Seminars:* Yale University (Economics), MIT Sloan (Org Econ lunch), Boston University Question School of Business (Strategy & Innovation), Queen's University (Economics), Haverford College (Economics), Federal Reserve Bank of New York, Federal Trade Commission, Bates White; *Conferences/workshops:* Georgetown McDonough Colloquium on Railroad Economics, INFORMS annual meeting, CEPR Workshop on Incentives, Management, and Organisation
- 2014-2015 *Seminars:* Harvard Business School (Strategy), Toronto Rotman (Strategic Management), Carnegie Mellon University (SDS), Columbia Business School (Economics), Chicago Booth (Micro), Northwestern Kellogg (Strategy), WashU Olin (Economics), Indiana Kelley (Business Economics), Rochester Polytechnic Institute (Economics), Federal Reserve Board of Governors, Microsoft Research New England

### **Conference Panels**

- NBER Economics of AI conference (September 2024)
- University of Chicago Stigler Center Antitrust and Competition Conference (April 2024)
- University of Chicago Emergence of Innovation in New Places workshop (June 2023)
- UNC Emergence: Organizations, Markets, Platforms, and Regions workshop (August 2021)
- NSF Sponsored 2020 Future of IP Conference (February 2020)

### **Conference, Session, and Panel Organizing**

- CEPR Public Policies for Innovation conference (March 2026, co-organized with Paolo Surico)
- Duke Fuqua Junior Strategy Conference (October 2025, co-organized with Chris Eaglin)
- Duke Fuqua Junior Strategy Conference (October 2022)

- Crisis Innovation (January 2022; ASSA paper session)
- The Past and Future of Innovation Policy: The Bush Report at 75 Years (November 2020; APPAM Super Session, co-organized with Bhaven Sampat)

### **Discussions**

- Strategy Research Foundation annual workshop, Montreal, Canada (June 2024)
- Conference on the Economics of Innovation in Memory of Zvi Griliches, Paris, France (May 2024)
- Utah-BYU Winter Strategy Conference, Park City, UT (February 2024)
- Strategy, Innovation, and Entrepreneurship workshop, Virtual (October 2023)
- Workshop in Empirical Methods in IP, Durham, NC (July 2023)
- Strategy Research Foundation annual workshop, Seville, Spain (June 2023)
- Georgia Tech REER Conference, Atlanta, GA (November 2022)
- American Economic Association Annual Meeting, Virtual (January 2022)
- Workshop on Entrepreneurial Finance and Innovation, Virtual (December 2021)
- American Economic Association Annual Meeting, Virtual (January 2021)
- Georgia Tech REER Conference, Atlanta, GA (November 2019)
- Urban Economics Association Annual Meeting, Philadelphia, PA (October 2019)
- International Industrial Organization Conference (IIOC), Boston, MA (April 2019)
- HBS Digital Initiative Discussion & Symposium (DIDS), Boston, MA (May 2018)
- HBS Digital Initiative Discussion & Symposium (DIDS), Boston, MA (May 2017)

### **Student Advising and Mentoring**

#### **Postdoctoral fellows**

<u>Name</u>	<u>Institution</u>	<u>Year</u>	<u>First placement</u>
Jingyuan Zeng	Fuqua	current	

#### **PhD students**

<u>Name</u>	<u>Institution</u>	<u>Year</u>	<u>First placement</u>
Yeqing Liu	Fuqua	current	
Rakeen Tanvir	Fuqua	current	
Jay Prakash Nagar	Fuqua	current	
Hansen Zhang	Fuqua	current	
Joyce Ma	Fuqua	current	
Innessa Colaiacovo	HBS	2024	U. Oregon Lundquist
J.K. Suh	Fuqua	2022	NYU Stern

#### **Master's, undergraduates, and research assistants**

<u>Name</u>	<u>Program</u>	<u>Year</u>	<u>First placement</u>
Jinkang Huo	Duke MAE	current	
Hongxiang Yu	Duke MAE	2025	UC Boulder (PhD in Strategy)
Ziming Dong	Duke MAE	2025	UC Irvine (PhD in Finance)
Yongyi Lin	Duke MAE	2021	U. Maryland (PhD in Strategy)
Masao McMaster	HBS RA	2021	USC (PhD in Finance)
Senan Hogan-Hennessy	HBS RA	2020	Cornell U. (PhD in Economics)

#### **MBA independent projects**

<u>Name</u>	<u>Program</u>	<u>Year</u>	<u>Title</u>
Kazu Koba	Duke MBA	current	(tbd)

### **Other Professional Service**

2015 – present

*Ad-hoc journal reviewing\*:*

AEJ: Applied Economics  
 AEJ: Microeconomics  
 AER: Insights  
 American Economic Review  
 Econometrica  
 Economic Journal  
 Economics Letters  
 Explorations in Economic History  
 Industrial and Corporate Change  
 International Journal of Industrial Organization  
 Journal of Economic History  
 Journal of Economic Literature  
 Journal of Economics & Management Strategy  
 Journal of Industrial Economics  
 Journal of Labor Economics  
 Journal of Law, Economics, and Organization  
 Journal of Political Economy  
 Journal of the American Medical Association  
 Journal of the European Economic Association  
 Management Science (Business Strategy)  
 Management Science (Decision Analysis)  
 Management Science (Entrepreneurship and Innovation)  
 Management Science (Marketing)  
 Management Science (Organizations)  
 Marketing Science  
 Nature Communications  
 Organization Science  
 Oxford Economic Papers  
 PLoS One  
 Quarterly Journal of Economics  
 RAND Journal of Economics  
 Research Policy  
 Review of Economics & Statistics  
 Review of Economic Studies  
 Review of General Psychology  
 Science  
 Strategic Management Journal

*Ad-hoc grant reviewing:*

National Science Foundation (Economics)  
 National Science Foundation (Science of Science)  
 National Science Foundation (TIP)  
 Smith Richardson Foundation

*Ad-hoc conference reviewing:*

SMS Best Paper competition  
ICSSI Best Paper competition

\*Currently writing ~30 reviews per year (most for top 5 economics journals, Management Science, and Strategic Management Journal)

Awards for review service:

- Management Science Distinguished Service Award (2024)
- Management Science Meritorious Service Award (2019)

### **General Talks (not paper-specific)**

- OECD-KIET Workshop on Industrial Policy (March 2026)
- Duke Fuqua School of Business, Center for Energy, Development, and the Global Environment (EDGE) Executive Council Meeting, Fall 2024 (November 2024)

### **General Media (not paper-specific)**

- Business NC (2025). [Dialing back federal funding strikes the Triangle's acclaimed research complex.](#)
- WorkingNation (2025). [Will AI take our jobs? How tech disruption affects work.](#)
- Bloomberg Businessweek (2024). [The Brutal Economics of Reaching Net Zero.](#)
- The Atlantic (2022). [Why the Age of American Progress Ended.](#)
- AEI Political Economy podcast (2021). [Lessons in Crisis Innovation from World War II.](#)

### **Policy Panels and Discussions**

- American Enterprise Institute: public panel discussing “The Return of Federal Research and Development: Perspectives on Science and Innovation Policy” (October 2024) ([link](#))
- National Academy of Sciences Board on Science, Technology, and Economic Policy: workshop on “Data and Metrics for the DOD SBIR and STTR Programs” (December 2023) ([link](#))