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ACADEMIC POSITIONS

University of California, San Diego

- Pacific Economic Cooperation Chair in International Economic Relations, School of Global Policy and Strategy, 2020 – present
- Professor, Department of Economics, 2012 – present
- Director, Center on Global Transformation, 2020 – present
- Associate Director, Global Health Initiative, 2009 – 2022
- Research Director, UC Institute on Global Conflict and Cooperation, 2008 – 2022
- Associate Dean for Faculty, School of Global Policy & Strategy, 2016 – 2018
- Professor, School of Global Policy & Strategy, 2012 – 2020
- Associate Professor (tenured), School of International Relations and Pacific Studies, 2008 – 2012

Columbia University

- Associate Professor (tenured) and Director of Sustainable Development PhD Program, School of International and Public Affairs, 2007 - 2008
- Associate Professor (tenured), Dept. of Health Policy and Management 2006 – 2008
- Director, Columbia-Stanford Consortium on Pharmaceutical Innovation, 2002 – 2005
- Senior Research Fellow, International Center for Health Outcomes and Innovation Research, 1998 – 2008
- Assistant Professor, Dept. of Health Policy and Management 1998 – 2006

PROFESSIONAL APPOINTMENTS

- Research Associate, Health Economics, Health Care, Environmental Economics, and Productivity, Innovation and Entrepreneurship, National Bureau of Economic Research (NBER), 2008 – present.
- Chief Economist, Rockefeller Foundation Economic Council of Planetary Health, 2017 – 2019.
- Faculty Research Fellow, Health Economics, Health Care, and Environmental Economics, National Bureau of Economic Research (NBER), 2003 – 2008
- Senior Economist, The President's Council of Economic Advisers, Executive Office of the President, Washington, D.C., 2004 – 2005

EDUCATION

- University of California at Berkeley, Ph.D., Agricultural & Resource Economics, 1998
- University of California at Berkeley, M.S., Agricultural & Resource Economics, 1994.
- Rutgers College, Rutgers University, B.A., Economics and Psychology, 1993.

AWARDS, HONORS, AND FELLOWSHIPS

- Web of Science Highly Cited Researcher, 2023
- Web of Science Highly Cited Researcher, 2020
- Faculty Graduate Teaching Award, Department of Economics, UCSD, 2015-2016
- American Society of Health-System Pharmacists Foundation Research Award, 2011
- Interdisciplinary Collaboratories Fellowship, UC San Diego, 2010.
- Calderone Junior Faculty Research Prize, Columbia University, 2003
- Outstanding Journal Article: American Journal of Agricultural Economics, 2000
- Outstanding Graduate Student Instructor Award, University of California, 1998
- Edward Bloustein Distinguished Scholar, Rutgers University, 1991, 1992, 1993

PROFESSIONAL ACTIVITIES

- External Advisory Board Member, Indlela, 2023 – present
- Member, Scientific Advisory Group, California South Coast Air Quality Management District, 2023 -- present
- Member, National Academies of Science, Committee on Future Directions for Applying Behavioral Economics to Policy, 2022 – present
- Steering Committee Member, California Council on Science and Technology, Wildfire Smoke Study, 2022 – present
- Member, Editorial Board, Review of Environmental Economics and Policy, 2021 – present
- Program Director, Firms and Climate Change Initiative, UK Private Enterprise Development in Low Income Countries (PEDL), 2020 – present
- Member, Center for Evaluation and Global Action, UC Berkeley, 2009 – present
- Member, National Academies of Science, Committee on Small Business Innovation Research and Technology Transfer, 2020 – 2022
- Associate Editor, Review of Economics and Statistics, 2013 – 2021
- Guest Editor, Management Science Special Issue on Business and Climate Change, 2019 – 2021
- Member, Board of Directors, UC-wide Global Health Initiative 2010 – 2016
- Program Committee Member, Association of Environmental & Resource Economists, 2011-2014
- Editorial Board, Journal of Economic Literature, 2010 – 2013
- Member, National Academies' National Research Council Committee on Health Impact Assessment, 2010 – 2012
- Program Committee Member, National Tax Association Annual Meeting, 2009.
- Member, Steering Committee for NSF Expert Roundtable on Critical Research Priorities in Sustainable Development, 2007 – 2009

JOURNAL ARTICLES – ECONOMICS (AND RELATED SOCIAL SCIENCE)

1. Angrist, N, K Winseck, H Patrinos, and J Graff Zivin, “The Effects of Human Capital Accumulation on Climate Beliefs and Behaviors.” *Review of Economics and Statistics*, forthcoming.

2. Fraenkel, R, J Graff Zivin, and S Krumholz, "The Coal Transition and Its Implications for Health and Housing Values," *Land Economics*, 100(2024): 51-65.
3. Graff Zivin, J, M Neidell, N Sanders, and G Singer, "When Externalities Collide: Influenza and Pollution," *American Economic Journal: Applied Economics*, 15(2023): 320-351.
4. Graff Zivin, J, Y Liao, and Y Panassie, "How Hurricanes Sweep Up Housing Markets: Evidence from Florida," *Journal of Environmental Economics and Management*, 118(2023): 102770.
5. Carson, R, J Graff Zivin, J Louviere, S Sadoff, and J Shrader, "The Risk of Caution: Evidence from an Experiment," *Management Science*, 68(2022): 9042-9060.
6. Aguilar Gomez, S, H Dwyer, J Graff Zivin, and M Neidell "This is Air: The 'Non-Health' Effects of Air Pollution," *Annual Review of Resource Economics* 14(2022): 403-425.
7. Graff Zivin, J, L Kahn, and M Neidell, "Incentivizing Learning-By-Doing: The Role of Compensation Schemes," *Research in Labor Economics*, Volume 49(2021): 139–178.
8. Graff Zivin J and E Lyons "The Effects of Prize Structures on Innovative Performance," *American Economic Review: Papers and Proceedings*, 111(2021): 577–581.
9. Graff Zivin, J, T Liu, Y Song, Q Tang, and P Zhang, "The Unintended Impacts of Straw Burning on Human Capital: Evidence from China." *Journal of Development Economics*, 147(2020): 102560.
10. Graff Zivin, J, Y Song, Q Tang, and P Zhang, "Temperature and High-Stakes Cognitive Performance: Evidence from the National College Entrance Examination in China," *Journal of Environmental Economics and Management*, 104 (2020): 102365.
11. Gilbert, B and J Graff Zivin, "Dynamic Corrective Taxes with Time-Varying Salience," *Journal of Environmental Economics and Management*, 103 (2020): 102356.
12. Azoulay, P, C Fons-Rosen, and J Graff Zivin, "Does Science Advance One Funeral at a Time?" *American Economic Review*, 109(2019): 2889-2920.
13. Azoulay, P, J Graff Zivin, D Li, and B Sampat, "Public R&D Investments and Private Sector Patenting: Evidence from NIH Funding," *Review of Economic Studies*, 86(2019): 117–152.
14. Chang, T, J Graff Zivin T Gross, and M Neidell, "The Effect of Pollution on Worker Productivity: Evidence from Call-Center Workers in China," *American Economic Journal: Applied Economics*, 11(2019): 151-172.
15. Graff Zivin, J, S Hsiang, and M Neidell, "Temperature and Human Capital in the Short- and Long-Run," *Journal of the Association of Environmental and Resource Economists*, 5(2018): 77–105.

16. Bharadwaj, P, M Gibson, J Graff Zivin, and C Neilson “Gray Matters: Fetal Pollution Exposure and Human Capital Formation,” *Journal of the Association of Environmental and Resource Economists*, 4(2017): 505-542.
17. Azoulay, P, I Ganguli, and J Graff Zivin, "The Mobility of Elite Life Scientists: Professional and Personal Determinants," *Research Policy*, 46(2017): 573–590.
18. Chang T, J Graff Zivin, T Gross, and M Neidell, “Particulate Pollution and the Productivity of Pear Packers,” *American Economic Journal: Economic Policy*, 8(2016): 141–169.
19. Graff Zivin, J, M Damon, and H Thirumurthy “Health Shocks and Natural Resource Management: Evidence from Western Kenya.” *Journal of Environmental Economics and Management*, 69(2015): 36-52.
20. Gilbert, B and J Graff Zivin, “Dynamic Salience with Intermittent Billing: Evidence from Smart Electricity Meters.” *Journal of Economic Behavior and Organization*, 107(2014): 176-190.
21. Graff Zivin, J, M Kotchen, and E Mansur, “Temporal and Spatial Heterogeneity of Marginal Emissions: Implications for Electric Cars and Other Electricity-Shifting Policies.” *Journal of Economic Behavior and Organization*, 107(2014): 248-268.
22. Currie, J, J Graff Zivin, J Mullins, and M Neidell, “What Do We Know About Short- and Long-Term Effects of Early Life Exposure to Pollution?” *Annual Review of Resource Economics*, 6(2014): 217-247.
23. Graff Zivin, J and M Neidell, “Temperature and the Allocation of Time: Implications for Climate Change,” *Journal of Labor Economics*, 32(2014): 1-26.
24. Graff Zivin, J and M Neidell, “Environment, Health, and Human Capital” *Journal of Economic Literature*, 51(2013): 689-730.
25. Currie, Janet Joshua Graff Zivin, Katherine Meckel, Matthew Neidell and Wolfram Schlenker, “Something in the Water: Contaminated Drinking Water and Infant Health,” *Canadian Journal of Economics*, 46(2013): 791-810.
26. Goldstein, M, J Graff Zivin, J Habyarimana, C Pop-Eleches, and H Thirumurthy, “The Effect of Absenteeism and Clinic Protocol on Health Outcomes: The Case of Mother-to-Child Transmission of HIV in Kenya” *American Economic Journal: Applied Economics*, 5(2013): 58–85.
27. Graff Zivin, J and M Neidell, “The Impact of Pollution on Worker Productivity” *American Economic Review*, 102(2012): 3652–3673.

28. Thirumurthy, H and J Graff Zivin “Health and Labor Supply in the Context of HIV/AIDS: The Long-Run Economic Impacts on Antiretroviral Therapy” *Economic Development and Cultural Change*, 61(2012): 73-96.
29. Dastrup, S, J Graff Zivin, D Costa, and M Kahn, “Understanding the Solar Home Price Premium: Electricity Generation and ‘Green’ Social Status.” *European Economic Review*, 56(2012): 961-973.
30. Graff Zivin, J and M Damon “Environmental Policy and Political Realities: Fisheries Management & Job Creation in the Pacific Islands” *Journal of Environment and Development*, 21(2012): 198 - 218.
31. Thirumurthy, H, C Pop-Eleches, J Habyarimana, M Goldstein, and J Graff Zivin “Behavioral Responses of Patients in AIDS Treatment Programs: Sexual Behavior in Kenya” *Forum for Health Economics and Policy*, 15(2012): 1-29.
32. Azoulay, P, J Graff Zivin, and G Manso, “Incentives and Creativity: Evidence from the Howard Hughes Medical Investigator Program” *The RAND Journal of Economics*, 42(2011): 527-554.
33. Graff Zivin, J, M Neidell, and W Schlenker, "Water Quality Violations and Avoidance Behavior: Evidence from Bottled Water Consumption" *American Economic Review Papers and Proceedings*, 101(2011): 448-453.
34. Azoulay, P, J Graff Zivin, J Wang “Superstar Extinction,” *Quarterly Journal of Economics*, 25(2010): 549-589.
35. Graff Zivin, J and M Neidell, “Medical Technology Adoption, Uncertainty, and Irreversibilities: Is a Bird in the Hand Really Worth More than the Bush?” *Health Economics*, 19(2010): 142-153.
36. Graff Zivin, J and M Neidell, “Days of Haze: Environmental Information Disclosure and Intertemporal Avoidance Behavior,” *Journal of Environmental Economics and Management*, 58(2009): 119-128.
37. Graff Zivin, J, H Thirumurthy, and M Goldstein, “AIDS Treatment and Intrahousehold Resource Allocation: Children’s Nutrition and Schooling in Kenya,” *Journal of Public Economics*, 93(2009): 1008-1015.
38. d’Adda, G, M Goldstein, J Graff Zivin, M Nangami, and H Thirumurthy, “ARV Treatment and Time Allocation to Household Tasks: Evidence from Kenya,” *African Development Review*, 21(2009): 180-208.
39. Graff Zivin J and L Lipper, “Poverty, Risk, and the Adoption of Soil Carbon Sequestration,” *Environment and Development Economics*, 13(2008): 353-373.

40. Thirumurthy H, J Graff Zivin and M Goldstein, "The Economic Impact of AIDS Treatment: Labor Supply in Western Kenya," *Journal of Human Resources*, 43(2008): 511-552.
41. Sage, W, J Graff Zivin, and N Chase, "Bridging the Relational-Regulatory Gap: A Pragmatic Information Policy for Patient Safety and Medical Malpractice," *Vanderbilt Law Review*, 59(2006): 1263-1308.
42. Graff Zivin, J, R Just, and D Zilberman, "Risk Aversion, Liability Rules, and Safety," *International Review of Law and Economics*, 4(2006): 604-623.
43. Azoulay, P, A Stellman and J Graff Zivin, "PublicationHarvester: An Open-Source Software Tool for Science Policy Research," *Research Policy*, 35(2006): 970-974.
44. Graff Zivin J, "Ensuring a Safe Food Supply: The Importance of Heterogeneity," *Journal of Agricultural and Food Industrial Organization*, 4(2006).
45. Graff Zivin J and A Small, "A Modigliani-Miller Theory of Altruistic Corporate Social Responsibility," *Topics in Economic Analysis and Policy* 5(2005).
46. Leonard, K and J Graff Zivin, "Outcome versus Service Based Payments in Health Care: Lessons from African Traditional Healers," *Health Economics*, 14(2005): 575-593.
47. Graff Zivin, J and A Pfaff, "To Err on Humans is Not Benign: Incentives for Adoption of Medical Error Reporting Systems," *Journal of Health Economics*, 23(2004): 935-949.
48. Remler, D, J Graff Zivin, and S Glied, "Modeling Health Insurance Expansions: Effects of Alternate Approaches," *Journal of Policy Analysis and Management*, 23(2004): 291-313.
49. Graff Zivin, J and A Small "Risk Sharing in Coasean Contracts," *Journal of Environmental Economics and Management*, 45(2003): 394-415.
50. Glied, S, D Remler and J Graff Zivin, "Inside the Sausage Factory: Improving Estimates of the Effects of Health Insurance Expansion Proposals," *Milbank Quarterly* 80(2002): 603-635.
51. Graff Zivin, J and J Bridges, "Addressing Risk Preferences in Cost-Effectiveness Analyses," *Applied Health Economics and Health Policy* 1(2002): 135-139.
52. Graff Zivin, J and D Zilberman, "Optimal Environmental Health Regulations with Heterogeneous Populations: Treatment versus 'Tagging'," *Journal of Environmental Economics and Management* 43(2002): 455-476.
53. Glied, S and J Graff Zivin, "How Do Doctors Behave When Some (But Not All) of Their Patients are in Managed Care?" *Journal of Health Economics* 21(2002): 337-353.

54. Gelijns, A, J Graff Zivin, and R Nelson, “Uncertainty and Technological Change in Medicine,” *Journal of Health Politics, Policy, and Law* 26(2001): 913-924.
55. Graff Zivin, J, “Cost-Effectiveness Analysis with Risk Aversion,” *Health Economics* 10(2001): 499-508.
56. Sunding, D, and J Zivin, “Insect Population Dynamics, Pesticide Use and Farmworker Health,” *American Journal of Agricultural Economics* 82(2000): 527-540.
57. Zivin, J, B Hueth, and D Zilberman, “Managing a Multiple Use Resource: The Case of Feral Pig Management in California Rangeland,” *Journal of Environmental Economics and Management* 39(2000): 189-204.

JOURNAL ARTICLES – SCIENCE

1. Meinke, H, A Andrew, CB Barrett, A Grove Smith, J Graff Zivin, F Abera, M Garcia, DR. Just, NH Obokoh, S Kadiyala, C Negra, L Torrance, AR Beaudreault, and P Boulanger, “Evolution of the One CGIAR’s Research and Innovation Portfolio to 2030: Approaches, Tools, and Insights after the Reform,” *njp Sustainable Agriculture*, 6(2023): DOI 10.1038/s44264-023-00005-x.
2. Killion JA, C Magana , J Cepeda, A Vo, M Hernandez, CL Cyr, KM Heskett, DP Wilson, J Graff Zivin, ML Zúñiga, HA Pines, RS Garfein, P Vickerman, F Terris-Prestholt, A Wynn, and NK Martin NK, “Unit Costs of Needle and Syringe Program Provision: A Global Systematic Review and Cost Extrapolation, *AIDS* 37(2023): 2389-2397.
3. Palinkas, L.A.; O’Donnell, M.; Kemp, S.; Tiatia, J.; Duque, Y.; Spencer, M.; Basu, R.; Del Rosario, K.I.; Diemer, K.; Doma, B., Jr.; Forbes, D.; Gibson, K.; Graff-Zivin, J.; Harris, B.M.; Hawley, N.; Johnston, J.; Lauraya, F.; Maniquiz, N.E.F.; Marlowe, J.; McCord, G.C.; Nicholls, I.; Rao, S.; Saunders, A.K.; Sortino, S.; Springgate, B.; Takeuchi, D.; Ugsang, J.; Villaverde, V.; Wells, K.B.; and M Wong, “Regional Research-Practice-Policy Partnerships in Response to Climate-Related Disparities: Promoting Health Equity in the Pacific,” *International Journal of Environmental Research and Public Health* (19)2022: 9758.
4. Domanskyi, S, A Hakansson, M Meng, J Graff Zivin, C Piermarocchi, G Paternostro, and N Ferrara. “Naturally Occurring Combinations of Receptors from Single Cell Transcriptomics in Endothelial Cells,” *Scientific Reports*, 12, 5807 (2022).
5. Neidell M, J Graff Zivin, M Sheahan, J Willwerth, C Fant, M Sarofim, and J Martinich, “Temperature and Work: Time Allocated to Work under Varying Climate and Labor Market Conditions,” *PLoS ONE* 16(2021): e0254224.
6. Krebs, B, J Burney, J Graff Zivin, and M Neidell “Using Crowd-Sourced Data to Assess the Temporal and Spatial Relationship between Indoor and Outdoor Particulate Matter,” *Environmental Science and Technology*, 55(2021): 6107–6115.

7. Graff Zivin, J and N Sanders. "The spread of COVID-19 shows the importance of policy coordination." *Proceedings of the National Academy of Sciences* 117(2020): 32823-32826.
8. Chisholm-Burns MA, Spivey CA, Stallworth S, Graff-Zivin J. Educational Debt Crisis: Analysis of Debt and Income Among Physicians, Dentists, Optometrists, Pharmacists and Veterinarians. *American Journal of Pharmaceutical Education*, (2019): ajpe7460.
9. Graff Zivin J, Lyons E, "Increasing STEM Undergraduate Participation in Innovative Activities: Field Experimental Evidence," *PLoS ONE* 14(2019): e0214155.
10. Guirguis, K, R Basu, W Al-Delaimy, T Benmarhnia, R Clemesha, I Corcos, J Guzman-Morales, B Hailey, I Small, A Tardy, D Vashishtha, J Graff Zivin, and A Gershunov, "Heat, Disparities, and Health Outcomes in San Diego County's Diverse Climate Zones," *GeoHealth*, 2(2018): 212–223.
11. Milner-Gulland EJ, S Garcia S, W Arlidge , J Bull, A Charles, L Dagorn, S Fordham, J Graff Zivin, M Hall, J Shrader, N Vestergaard, C Wilcox, and D Squires, "Translating the Terrestrial Mitigation Hierarchy to Marine Megafauna Bycatch," *Fish and Fisheries*, 19(2018): 547-561.
12. Graff Zivin, J, M Neidell, "Air Pollution's Hidden Impacts," *Science*, 359(2018): 39-40.
13. Hoen, B, S Adomatis, T Jackson, J Graff Zivin, M Thayer, and G Klise, "Multi-State Residential Transaction Estimates of Solar Photovoltaic System Premiums," *Renewable Energy Focus*, 19-20(2017): 90-103.
14. Bharadwaj, P, J Graff Zivin, J Mullins, and M Neidell, "Early Life Exposure to the Great Smog of 1952 and the Development of Asthma," *American Journal of Respiratory and Critical Care Medicine*, 194(2016): 1475–1482.
15. Marsh, K, M Ganz, E Nørtoft, N Lund, J Graff Zivin, "Incorporating Environmental Outcomes into a Health Economic Model," *International Journal of Technology Assessment in Health Care*, 32(2016): 400–406.
16. Hoenigl, M, A Chaillon, SR Mehta, DM Smith, J Graff Zivin, and SJ Little, "Screening for Acute HIV Infection in Community-based Settings: Cost Effectiveness and Impact on Transmissions" *Journal of Infection*, 73(2016): 476-484.
17. Graff Zivin, J and K Novan, "Upgrading Efficiency and Behavior: Electricity Savings from Residential Weatherization Programs," *The Energy Journal*, 37(2016): 1-23.
18. Thirumurthy H, SH Masters, S Rao, K Murray, R Prasad, J Graff Zivin, E Omanga, and K Agot, "The Effects of Providing Fixed Compensation and Lottery-Based Rewards on Uptake of Medical Male Circumcision in Kenya: A Randomized Trial," *JAIDS*, 72(2016): S309-S315.

19. Allen, R, J Graff Zivin, and J Shrader, "Forecasting in the Presence of Expectations," *The European Physical Journal Special Topics*, 225(2016): 539-550.
20. Graff Zivin, J and J Shrader. "Temperature Extremes, Health, and Human Capital." *The Future of Children*, 26, no. 1 (2016): 31-50.
21. Burke et al. "Opportunities for Advances in Climate Change Economics," *Science*, 6283(2016): 292-293.
22. Burgos, J, T Patterson, J Graff Zivin, J Kahn, G Rangel, R Lozada, H Staines, and S Strathdee, "Cost-Effectiveness of Combined Sexual and Injection Risk Reduction Interventions Among Female Sex Workers Who Inject Drugs in Two Very Distinct Mexican Border Cities" *PloS One*, 11(2016), e0147719.
23. Hoenigl, M, J Graff Zivin, and S Little, "Costs per Diagnosis of Acute HIV Infection in Community-Based Screening Strategies: A Comparative Analysis of Four Screening Algorithms," *Clinical Infectious Diseases*, 62(2016): 501-511.
24. Taylor-Weiner, H, and J Graff Zivin, "Medicine's Wild West — Unlicensed Stem-Cell Clinics in the United States," *New England Journal of Medicine*, 373(2015): 985-987.
25. Graff Zivin, J and J Mullins, "Vessel Buybacks in Fisheries: The Role of Auction and Financing Structures," *Marine Policy*, 53(2015) 188–197.
26. Lichtenberg, E, J Graff Zivin, M Hrnacir, and J Nieh, "Eavesdropping Selects for Conspicuous Signals," *Current Biology*, 24(2014) 598-599.
27. Chisholm-Burns, MA, CA Spivey, J Graff Zivin, JK Lee, E Sredzinski, and EA Tolley, "Improving Outcomes of Renal Transplant Recipients with Behavioral Adherence Contracts: A Randomized Controlled Trial," *American Journal of Transplantation*, 13(2013): 2364–2373.
28. Jandorf, L, L Stossel, J Cooperman, J Graff Zivin, U Ladabaum, D Hall, L Thelemaque, W Redd, and S Itzkowitz, "Cost Analysis of a Patient Navigation System to Increase Screening Colonoscopy Adherence among Urban Minorities" *Cancer*, 119(2013): 612-620.
29. Schnur, J, J Graff Zivin, D Mattson, S Green, L Jandorf, AG Wernicke, and G Montgomery, "Acute Skin Toxicity-Related, Out-of-Pocket Expenses in Patients with Breast Cancer Treated with External Beam Radiotherapy" *Supportive Care Cancer*, 20(2012): 3105-3113.
30. Pop-Eleches C, H Thirumurthy, J Habyarimana, J Graff Zivin, M Goldstein, D de Walque, L MacKeen, J Haberer, J Sidle, D Ngare, and D Bangsberg, "Mobile Phone Technologies Improve Adherence to Antiretroviral Treatment in Resource-Limited Settings: A Randomized Controlled Trial of Text Message Reminders," *AIDS*, 25(2011): 825-834.

31. Chisholm-Burns MA, JK Lee, CA Spivey, M Slack, R Herrier, E Hall-Lipsy, J Graff Zivin, I Abraham, J Palmer, JR Martin, S Kramer, and T Wunz, "U.S. Pharmacists' Effects as Team Members on Patient Care: Systematic Review and Meta-Analyses," *Medical Care*, 48(2010): 923-933.
32. Chisholm-Burns, MA, J Graff Zivin, JK Lee, C Spivey, M Slack, R Herrier, E Hall-Lipsy, I Abraham, and J Palmer, "Economic Effects of Pharmacists on Health Outcomes in the United States: A Systematic Review," *American Journal of Health-System Pharmacy*, 67(2010): 1624-1634.
33. Shankaran V, TH Luu, N Nonzee, E Richey, J McKoy, J Graff Zivin, A Ashford, R Lantigua, H Frucht, M Scoppettone, CL Bennett, and S Sheinfeld Gorin, "Costs and Cost-Effectiveness of a Health Care Provider-Directed Intervention to Promote Colorectal Cancer Screening" *Journal of Clinical Oncology*, 27(2009): 5370-5375.
34. Vitale MA, MG Vitale, J Graff Zivin, J Braman, L Bigliani, and E Flatow, "Rotator Cuff Repair: An Analysis of Utility Scores and Cost-Effectiveness," *Journal of Shoulder and Elbow Surgery*, 16(2008): 181-187.
35. Jackson K, K Scott, J Graff Zivin, D Bateman, J Flynn, J Keenan, M Chiang, "Cost-Utility Analysis of Telemedicine and Ophthalmoscopy for Retinopathy of Prematurity Management," *Archives of Ophthalmology*, 126(2008): 493-499.
36. Lee A, D Ng, J Graff Zivin, and P Green, "Economic Burden of a Gluten-Free Diet," *Journal of Human Nutrition and Dietetics*, 20(2007): 423-430.
37. Montgomery G, D Bovbjerg, J Schnur, D David, A Goldfarb, C Wertz, C Schechter, J Graff Zivin, K Tatrow , D Price, and J Silverstein, "A Randomized Clinical Trial of A Brief Hypnosis Intervention to Control Side Effects in Breast Surgery Patients," *Journal of the National Cancer Institute*, 99(2007): 1304-1312.
38. Anderson, K, J Jacobson, D Heitjan, J Graff Zivin, D Hershman, A Neugut, and V Grann, "Cost-effectiveness of Preventive Strategies for Women with a BRCA1 or a BRCA2 Mutation," *Annals of Internal Medicine*, 6(2006): 397-406.
39. Angevine P, J Graff Zivin, and P McCormick, "Cost-Effectiveness of Single-Level Anterior Cervical Discectomy and Fusion for Cervical Spondylosis," *Spine*, 17(2005): 1989-1997.
40. Khan K, P Muennig, M Gardam and J Graff Zivin, "Optimizing Clinical Management of Febrile Respiratory Illnesses During a SARS Outbreak in Respiratory Season," *Emerging Infectious Diseases*, 11(2005): 191-200.
41. Shih C, Graff Zivin J, Trokel S, Tsai J, "Clinical Impact of Central Corneal Thickness in the Management of Glaucoma," *Archives of Ophthalmology*, 122(2004): 1270-1275.

42. Mojtabai, R and J Graff Zivin, "Effectiveness and Cost-Effectiveness of Four Treatment Modalities for Substance Disorders: A Propensity Score Analysis," *Health Services Research*, 38:1(2003): 233-259.
43. Khan, K, P Muennig, M Behta, and J Graff Zivin, "Globalization and Infectious Diseases: Integrating Country of Origin into the Clinical Management of Latent Tuberculosis Infection," *New England Journal of Medicine*, 347(2002): 1850-1859.

BOOKS

1. Graff Zivin, J and J Perloff (Eds.). *The Intended and Unintended Effects of U.S. Agricultural and Biotechnology Policies*. The University of Chicago Press, March 2012.

BOOK CHAPTERS

1. Mullins J, J Graff Zivin, A Cattaneo, A Paolantonio, and R Cavatassi, "The Adoption of Climate Smart Agriculture: The Role of Information and Insurance under Climate Change," in *Climate Smart Agriculture - Building Resilience to Climate Change*, D Zilberman, L Lipper, N McCarthy, S Asfaw, and G Branca (Eds.), Springer, 2018.
2. Graff Zivin, J and M Neidell, "Pollution and Health," in *Encyclopedia of Health Economics*, Volume 3, Tony Culyer (Ed.), Elsevier, 2014.
3. Azoulay, P, J Graff Zivin, and G Manso, "NIH Peer Review: Challenges and Avenues for Reform," in *Innovation Policy and the Economy*, Volume 13, J Lerner and S Stern (Eds.), University of Chicago Press, 2013.
4. Azoulay, P, J Graff Zivin, and B Sampat, "The Diffusion of Scientific Knowledge across Time and Space: Evidence from Professional Transitions for the Superstars of Medicine," in *The Rate and Direction of Inventive Activity: A New Agenda*, J Lerner and S Stern (Eds.), April 2012.
5. Goldstein M, J Graff Zivin and H Thirumurthy, "The Household Impacts of Treating HIV/AIDS in Developing Countries," in *Annual World Bank Conference on Development Economics 2009: People, Politics, and Globalization*, YL Justin, and B Pleskovic (Eds.), World Bank Publications, June 2010.
6. Graff Zivin J, M Neidell, and L Feldman, "Treatment Uncertainty and Irreversibility in Medical Care: Implications for Cost-Effectiveness Analysis," in *The Economics of New Health Technologies - Incentives, Organization and Financing*, J Costa-Font, C Courbage, and A McGuire (Eds.), Oxford University Press, June 2009.

7. Graff Zivin, J, and D Sunding, "A Comparison of Policies to Reduce Pesticide Poisoning Combining Economic and Toxicological Data," in D Hall and J Moffit (Eds.), *Advances in the Economics of Environmental Resources: Economics of Pesticides, Sustainable Food Production and Organic Food Markets, Volume 4*, Elsevier Science Ltd., New York, NY 2002.
8. Moskowitz, A, D Williams, A Tierney, R Levitan, J Zivin, and A Gelijns, "Economic Considerations of Left Ventricular Assist Device (LVAD) Implantation," in M. Oz and D. Goldstein (Eds.), *Cardiac Assist Devices*, Futura Publishing Company, Inc., Armonk, NY, December 1999.
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OTHER PUBLICATIONS

1. California Council on Science and Technology, *The Human Health Benefits of Improving Forest Health in California*, 2023. Member of the Steering Committee.
2. National Academies of Sciences, Engineering, and Medicine, *Behavioral Economics: Policy Impact and Future Directions*, The National Academies Press. 2023. Member of the Committee.
3. Chen, S, J Graff Zivin, H Wang, and J Xiong, "River Pollution: Combating Cross-Border Externalities," *VoxEU*, July 28, 2022.
4. Aguilar-Gomez, S, H Dwyer, J Graff Zivin, and M Neidell, "Damage from Air Pollutants You Won't Hear About from Your Doctor," *VoxEU*, June 30, 2022.
5. Graff Zivin, J and L Lyons "Leaders, Stop Freaking Out About Remote Work. Your Team Can Still be Efficient in a Mixed Format," *Fast Company*, June 15, 2022
6. National Academies of Sciences, Engineering, and Medicine, *Assessment of the SBIR and STTR Programs at the National Institutes of Health*, The National Academies Press. 2022. Member of the Committee.
7. Fan et al. "Going Green in China: Firms' Responses to Stricter Environmental Regulations," *VoxChina*, April 29. 2020
8. Graff Zivin et al. "The Unintended Impacts of Agricultural Fires: Human Capital in China," *VoxChina*, December 25, 2019

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10. Fourth National Climate Assessment, US Global Change Research Program, 2018. Technical Contributor.
11. Goldstein, A, P Azoulay, J Graff Zivin, and V Bulovic, "Promoting Energy Innovation with Lessons from Drug Development," The Hamilton Project Policy Proposal No. 2017-16. Brookings Institution (2017).
12. Chang, T, J Graff Zivin, T Gross, and M Neidell, "Air Pollution is Making Office Workers Less Productive," *Harvard Business Review*, September 29, 2016.
13. Chang, T, J Graff Zivin, T Gross, and M Neidell, "The Effect of Pollution on Worker Productivity: Evidence from Call-Centre Workers in China," *VOXEU*, July 15, 2016.
14. Graff Zivin J, M Kotchen, and E Mansur, "Are Electric Cars Greener? Depends on Where You Live" *Los Angeles Times*, November 17, 2014.
15. Azoulay, Pierre and Joshua Graff Zivin, "The Production of Scientific Ideas," *NBER Reporter* 3(2012): 7-9.
16. Committee on Health Impact Assessment, Board on Environmental Studies and Toxicology, National Research Council, *Improving Health in the United States: The Role of Health Impact Assessment*, The National Academy Press, 2011. Member of committee.
17. Graff Zivin J, M Nangami and H Thirumurthy, "Antiretroviral Treatment Improves Health of Economy" *Daily Nation: Kenya's Premier Newspaper*, May 30, 2006.
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19. Khan, K, P Muennig, and J Graff Zivin, "Management of Latent Tuberculosis Infection in Immigrants: Reply," *New England Journal of Medicine*, 348(2003): 1291-1292.
20. Zivin, J, "El Optimo Diseño de los Dias de Carencia," *Chile Agrícola*, Santiago, Chile, Noviembre-Diciembre 1995.

MANUSCRIPTS IN SUBMISSION

1. Fan H, J Graff Zivin, Z Kou Z, X Liu, and H Wang, "Going Green in China: Firms' Responses to Stricter Environmental Regulations," NBER WP # 26540.
2. Chen, S, J Graff Zivin, H Wang, and J Xiong, "Combating Cross-Border Externalities," NBER WP #30233.

3. Graff Zivin, J and G Singer, “Disparities in Pollution Capitalization Rates: The Role of Direct & Systemic Discrimination,” NBER WP #30814.
4. Carson, R, J Graff Zivin, and J Shrader, “Choose Your Moments: Peer Review and Scientific Risk Taking,” NBER WP #31409

RESEARCH IN PROGRESS

1. Graff Zivin, J and M Kahn, “Industrial Productivity in a Hotter World: The Aggregate Implications of Heterogeneous Firm Investment in Air Conditioning,” NBER WP #22962.
2. Coville, A, J Graff Zivin, A Reichert, and AK Reitmann, “Quality Signaling and Demand for Renewable Energy Technology - Evidence from a Randomized Field Experiment.”
3. Graff Zivin, J, B Krebs, M Neidell, “Air Pollution Monitor Adoption: Public or Private Goods?”
4. Conn, RW, PF Cowhey, J Graff Zivin, and CL Martin, “Science, Philanthropy, and American Leadership,” NBER WP #31718.

RESEARCH GRANTS

- The Health and Educational Impacts from Long-Run Exposure to Pollution in Childhood: Evidence from the US Army, National Institutes of Health, Co-Principal Investigator, 2022-2023.
- A National Network for Critical Technology Assessment: A First-Year Pilot, National Science Foundation, Co-Investigator, 2022-2023.
- The Health Impacts of Long-Run Exposure to Pollution in Adulthood and Later Life: Evidence from the US Army, National Institutes of Health, Co-Principal Investigator, 2021-2022.
- Risk, Research Funding Rules, and Social Welfare, National Science Foundation, Principal Investigator, 2016-2020.
- Innovation in an Aging Society, National Institutes of Health, Co-Principal Investigator, 2013-2019.
- Entrepreneurial Motivation: An RCT, Kauffmann Foundation, Co-Principal Investigator, 2018-2019.
- Can Innovators be Created? Field Experimental Evidence from an Innovation Contest, Kauffmann Foundation, Co-Principal Investigator, 2016-2017.
- The Effect of Pollution on Worker Productivity, Economic Preferences, and Strategic Behavior, UCMEXUS-CONACYT, Principal Investigator, 2016-2017.
- Early Career Choice, Funding Variation and Scientific Output, National Science Foundation, Principal Investigator, 2015-2017.

- Idea and Economic Spillovers from Publicly Funded Biomedical Research, National Science Foundation, Principal Investigator, 2011-2014.
- Optimizing the use of economic incentives to increase male circumcision demand: a randomized trial to compare fixed vs. lottery-based incentives in Kenya, 3IE, Co-Investigator, 2013-2014.
- The Long-Term Effects of Early Childhood Exposure to Pollution: Evidence from the London Smog Incident of 1952, UC Center for Energy and Environmental Economics, Co-Principal Investigator, 2013.
- The Impact of Environmental Conditions on the Productivity of Agricultural Workers, National Institutes of Health, Co-Principal Investigator, 2011-2012.
- The Role of Environment in Human Capital Formation, UC Center for Energy and Environmental Economics, Co-Principal Investigator, 2012.
- Energy Efficient Retrofits and the Rebound Effect in Low-Income Housing, UC Center for Energy and Environmental Economics, Principal Investigator, 2011.
- Solar Panel Capitalization into Residential Property Values, UC Center for Energy and Environmental Economics, Principal Investigator, 2010.
- Estimating the Effect of Exposure to Superstar Scientists: Evidence from Academia and the Biopharmaceutical Sector, National Science Foundation, Principal Investigator, 2007-2010.
- Incentives and Creativity: Theory and Evidence, NBER Innovation Policy and the Economy Program, Co-Principal Investigator, 2007-2008.
- Adherence to ARV Treatment and its Effects on Socio-Economic Outcomes: Evidence from Western Kenya, World Bank, Co-Principal Investigator, 2007-2008.
- HIV Testing and Behavioral Change, Hewlett Foundation, Co-Principal Investigator, 2007.
- Determinants of the Adherence to AIDS Treatment Economic in Western Kenya, World Bank, Principal Investigator, 2006.
- The Economic Impacts of Disease and Treatment on Household Welfare in North Rift region of Kenya, USAID, Principal Investigator, 2005-2006.
- Uncertainty in Cost Effectiveness Analysis, Agency for Healthcare Research and Quality, Principal Investigator, 2003-2006.
- The Columbia-Stanford Consortium on Pharmaceutical Innovation, The Merck Company Foundation, Principal Investigator and Director, 2002-2005.
- Dissemination of Cervical Cancer Screening to Primary Care Physicians, Centers for Disease Control, Investigator, 2001-2006.
- The Economic Impacts of Disease and Treatment on Household Welfare in North Rift region of Kenya, World Bank, Principal Investigator, 2004-2005.
- The Economic Impacts of Disease and Treatment on Household Welfare in North Rift region of Kenya, Pfizer Inc., Principal Investigator, 2004-2005.
- Economic Impacts of HIV/AIDS and Treatment, The Economic and Social Research Council, Investigator, 2003-2004.
- Reporting Systems and Learning: Best Practices, Agency for Healthcare Research and Quality, Investigator, 2001-2004.
- The REMATCH Trial, National Heart, Lung, and Blood Institute, Investigator, 1997-2002.

- Protocol Design for Ventricular Assist Device Trial, Arrow Lionhart Corporation, Investigator, 2002.
- The Role of Patients in the Production of their own Health, Institute for Social and Economic Research and Policy, Principal Investigator, 2001.
- Therapeutic Decision Making for DCIS: The Role of Risk Preferences, American Cancer Society, Principal Investigator, 1999-2000.

CONSULTANCIES

- CGIAR, Comparative Advantage Framework for Investment, 2022 – 2023
- World Wildlife Fund, Global Think Tank on Transboundary Fisheries, 2016 – 2020
- The World Bank, Development Impact Evaluation, 2010 - 2020
- Industrial Economics, Labor Market Impacts from Climate Change, 2018-2020
- Rockefeller Foundation, Economic Council on Planetary Health, 2017 – 2019
- Abt Associates, Projected Labor Market Impacts from Climate Change, 2016-2018
- UN Food & Agriculture Organization, Climate Smart Agricultural Policy, 2013-2018
- International Seafood Sustainability Foundation, Design of Buyback Auctions, 2013.
- The World Bank, AIDS Campaign Team for Africa, 2009 - 2012
- The World Bank, Payment for Environmental Services in Brazil, 2010 - 2011
- UN Food & Agriculture Organization, Economic Growth and Nutrition, 2010-2011
- International Seafood Sustainability Foundation, Economic Development Strategies for Pacific Island Nations and Territories, 2011.
- National Institutes of Health, Office of Science Policy, Scientific Competitiveness Project, 2007-2008.
- The Pew Charitable Trusts, Project on Medical Liability in Pennsylvania, 2002-2004.
- UN Food and Agriculture Organization, Poverty Alleviation through Soil Carbon Sequestration, 2001-2002.

TEACHING EXPERIENCE

- The Economics of Pollution (PhD-level, Economics)
- Environmental Economics: Health and Human Capital (PhD-level, Economics)
- Environmental and Regulatory Economics (Masters-level, Public Policy)
- Economies of the Pacific Rim (Masters-level, Public Policy)
- Green Technology: Science & Policy (Masters-level, Public Policy)
- International Health Economics (Masters-level, Public Policy)
- Sustainable Development Seminar (PhD-level, Public Policy)
- Natural Resource and Environmental Economics (PhD-level, Economics)
- Cost Benefit Analysis and Health (Masters-level, Public Health/Public Policy)
- Introduction to Health Economics (Masters-level, Public Health)
- Program Evaluation (Masters-level, Public Health)
- Advanced Health Economics (Masters-level, Public Health)
- Approaches to Conservation Economics: (Certificate Program, Ecology)