

Patrick Baylis

CONTACT INFORMATION

Vancouver School of Economics
University of British Columbia
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ACADEMIC APPOINTMENTS

Associate Professor, University of British Columbia (2025 – present)
Assistant Professor, University of British Columbia (2017 – 2025)
Postdoctoral Fellow, Stanford University (2016 – 2017)

EDUCATION

Ph.D., Agricultural and Resource Economics, University of California, Berkeley (2016)
B.A., Political Science/International Relations, Carleton College (2008)

FIELD

Environmental Economics

PUBLICATIONS

Patrick Baylis, Prashant Bharadwaj, Jamie Mullins, and Nick Obradovich. “Climate and Migration in the United States.” *Journal of Public Economics* (2025).

Peter Christensen, Patrick Baylis, Teevrat Garg, Shanjun Li, Gordon C. McCord, Erich Muehlegger, Erica Myers, Emma Noble Smith and David S. Rapson. “How to Spend One Trillion Dollars: The US Decarbonization Conundrum.” Comment in *Nature* (2024).

Patrick Baylis and Judson Boomhower. “Mandated vs. Voluntary Adaptation to Natural Disasters: The Case of U.S. Wildfires.” Accepted at the *Journal of Political Economy* (2024).

Jeff Wen, Sam Heft-Neal, Patrick Baylis, Judson Boomhower, and Marshall Burke. “Quantifying Fire-Specific Smoke Severity.” *Proceedings of the National Academy of Sciences* 120, no. 51 (2023): 1-12.

Patrick Baylis and Judson Boomhower. “The Economic Incidence of Wildfire Suppression in the United States.” *American Economic Journal: Applied Economics* 15, no.1 (2023): 442-73.

Marshall Burke, Sam Heft-Neal, Jessica Li, Anne Driscoll, Patrick Baylis, Matthieu Stigler, Joakim A. Weill, Marissa Childs, and Carlos Gould. “Exposures and Behavioural Responses to Wildfire Smoke.” *Nature: Human Behaviour* 6, no. 10 (2022): 1351-1361.

Patrick Baylis, Pierre-Loup Beauregard, Marie Connolly, Nicole M. Fortin, David A. Green, Pablo Gutiérrez-Cubillos, Samuel Gyetvay, Catherine Haeck, Tímea Laura Molnár, Gaëlle Simard-Duplain, Henry E. Siu, Maria teNyenhuys, and Casey Warman. “The Distribution of COVID19-related Risks.” *Canadian Journal of Economics/Revue canadienne d’économie* 55 (2022): 172-211.

Meredith Fowlie, Catherine Wolfram, Patrick Baylis, C. Anna Spurlock, Annika Todd-Blick, and Peter Cappers. “Default Effects and Follow-On Behaviour: Evidence from an Electricity Pricing Program.” *The Review of Economic Studies* 88, no. 6 (2021): 2886-2934.

Harshil Sahai, Michael Greenstone, Kenneth Lee, and Patrick Baylis. “Job Loss and Behavioral Change: The Unprecedented Effects of the India Lockdown in Delhi.” *COVID Economics (CEPR Press)* 51 (2020): 134-154.

Patrick Baylis. “Temperature and Temperament: Evidence from Twitter.” *Journal of Public Economics* 184 (2020): 1-15.

PUBLICATIONS (cont.)	<p>Frances C. Moore, Nick Obradovich, Flavio Lehner, and Patrick Baylis. “Rapidly Declining Remarkability of Temperature Anomalies May Obscure Public Perception of Climate Change.” <i>Proceedings of the National Academy of Sciences</i> 116, no. 11 (2019): 4905-4910.</p> <p>Patrick Baylis, Nick Obradovich, Yury Kryvasheyeu, Haohui Chen, Lorenzo Coviello, Esteban Moro, Manuel Cebrian, and James H. Fowler. “Weather Impacts Expressed Sentiment.” <i>PLOS ONE</i> 13, no. 4 (2018): 1-11.</p> <p>Marshall Burke, Felipe González, Patrick Baylis, Sam Heft-Neal, Ceren Baysan, Sanjay Basu, and Solomon Hsiang. “Higher Temperatures Increase Suicide Rates in the United States and Mexico.” <i>Nature: Climate Change</i> 8, no. 8 (2018): 723-729.</p> <p>Maximilian Auffhammer, Patrick Baylis, and Catherine H. Hausman. “Climate Change is Projected to Have Severe Impacts on the Frequency and Intensity of Peak Electricity Demand Across the United States.” <i>Proceedings of the National Academy of Sciences</i> 114, no. 8 (2017): 1886-1891.</p>
WORKING PAPERS	<p>Patrick Baylis, Michael Greenstone, Kenneth Lee, and Harshil Sahai. “Is the Demand for Clean Air Too Low? Experimental Evidence from Delhi.” [Working Paper]</p> <p>Patrick Baylis, Severin Borenstein, and Edward A. Rubin. “Does Time Shift Behavior? The Clock- vs. Solar-time Tradeoff.” [Working Paper] · [NBER Working Paper (March 2023)]</p> <p>Patrick Baylis, Judson Boomhower, and Bob Horton. “Incentivizing Self-Protection From Wildfires”. [Working Paper]</p>
PRESENTATIONS	<p>2024: UC-Berkeley ARE (Environmental Economics Seminar), BC Lung Workshop, NBER Environment and Energy Economics Spring Meeting, UC-Santa Cruz, UC-Santa Barbara</p> <p>2023: Montana State University, Jinan University, UC-Berkeley ARE (Ag. Econ. Workshop), J-PAL, University of Alaska-Anchorage,</p> <p>2022: Simon Fraser University, Massachusetts Institute of Technology (Center for Real Estate), University of Calgary, University of Oregon</p> <p>2021: Claremont McKenna, University of Connecticut, SWEEEP, Bank of Italy</p> <p>2020: Machine Learning for Economists and Applied Social Scientists Webinar; Loyola-Marymount</p> <p>2019: Association of Environmental and Resource Economics Annual Conference, Federal Reserve Board, University of British Columbia</p> <p>2018: University of Victoria, Canadian Resource and Environmental Economics Annual Conference, WEAI-AERE Conference, Nova School of Business and Economics, University of British Columbia</p> <p>2017: University of Ottawa, University of Montana, Stanford University</p> <p>2016: Agricultural and Applied Economics Association Annual Conference, University of California-Berkeley, National Center for Atmospheric Research, Stanford Management Science & Engineering, University of British Columbia, Stanford Center on Food Security and the Environment, Pittsburgh University, Montana State University</p> <p>2015: University of Illinois, UC-Berkeley, University of Colorado, Association of Environmental and Resource Economics Annual Conference</p> <p>2014: UC-Berkeley</p>

AWARDS AND FELLOWSHIPS	CIDER Development Grant (2024)
	International Growth Centre (2024)
	CIDER Development Grant (2023)
	J-PAL King Climate Action Initiative (2022)
	J-PAL State and Local Innovation Initiative (2022)
	SSHRC Explore Grant (2022)
	CIDER Development Grant (2022)
	SSHRC Insight Grant (2021)
	CIDER Development Grant (2020)
	SSHRC Cluster Grant (UBC Collaborator, 2019)
	CIDER Development Grant (2019)
	CIDER Development Grant (2018)
	SSHRC Insight Development Grant (2018)
	UBC Centre for Innovative Data in Economics Innovation Grant (2017)
	UBC Hampton Fund New Faculty Grant (2017)
	National Center for Atmospheric Research Visitor Grant (2016)
	Giannini Foundation Grant (2015)
	UC-Berkeley Graduate Student Instructor Award (2013)
TEACHING	ECON 573: Environmental Economics (graduate)
	ECON 494: Seminar in Applied International Economics
	ECON 371: Economics of the Environment
PROFESSIONAL SERVICE	Affiliate, JPAL-North America (2021-present)
	Editorial Board, Institute for Replication (2021-present)
	Recruiting committee, Vancouver School of Economics (2019/2020, 2020/2021, 2021/2022)
	Organizing committee, The Workshop in Environmental Economics and Data Science (2019, 2020)
	Empirical seminar organizer (2018), Vancouver School of Economics
	Graduate studies committee (2017), Vancouver School of Economics
	Admissions committee, University of California, Berkeley
	Referee: <i>American Economic Review</i> , <i>American Economic Journal: Economic Policy</i> , <i>American Economic Journal: Applied Economics</i> (2023 Excellence in Refereeing), <i>Economic Inquiry</i> , <i>Economica</i> , <i>Energy Economics</i> , <i>Energy Journal</i> , <i>Environment and Resource Economics</i> , <i>Journal of the Association of Environmental and Resource Economists</i> , <i>Journal of Environmental Economics and Management</i> , <i>Journal of Public Economics</i> , <i>Journal of Urban Economics</i> , <i>Management Science</i> , <i>Nature</i> , <i>Nature: Human Behavior</i> , <i>Proceedings of the National Academy of Sciences</i> , <i>Resource and Energy Economics</i> , <i>Review of Economics and Statistics</i> , <i>Strategic Behavior and the Environment</i> , <i>Quarterly Journal of Economics</i>

Last updated: October 6, 2025