

MICHAEL GREENSTONE

CONTACT INFORMATION

Massachusetts Institute of Technology
Department of Economics
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PERSONAL

Marital Status: Married to Katherine Ozment
Children: William Pryor Greenstone, Jessica Joan Greenstone and Anne Ozment Greenstone
Citizenship: US

EDUCATION

Ph.D., Economics, Princeton University, 1998
B.A. with High Honors, Economics, Swarthmore College, June 1991

PROFESSIONAL EXPERIENCE

ACADEMIC POSITIONS

2006 – 3M Professor of Environmental Economics, MIT
2006 – 2007 Visiting Professor, University of California Energy Institute and University of California, Berkeley, (Economics Department and Center for Labor Economics)
2005 – 2006 Visiting Professor at University of California, Berkeley (Center for Labor Economics) and Stanford (Department of Economics)
2003 – 2006 3M Associate Professor of Economics (with tenure), MIT
2000 – 2003 Assistant Professor of Economics University of Chicago
1998 – 2000 Robert Wood Johnson Scholar, University of California-Berkeley

AFFILIATIONS and NONACADEMIC POSITIONS

2010 – present Director, The Hamilton Project
2010 – present Co-Director, Climate Change, Environment and Natural Resources Research Programme, International Growth Centre
2010 – present Senior Fellow (Economic Studies), Brookings Institution
2010 – present Research Associate, National Bureau of Economic Research
2009 – 2010 Chief Economist, Council of Economic Advisers
2008 – present Energy Council, MIT Energy Initiative
2008 – present Environmental Research Council, MIT
2008 – present Advisory Board, Ed Labs
2007 – 2009 Nonresident Senior Fellow (Economic Studies), Brookings Institution
2006 – present Fellow, Center for the Study of Poverty and Inequality at Stanford University
2006 – present Member, Abdul Latif Jameel Poverty Action Lab
2003 – 2009 Research Associate, National Bureau of Economic Research
2002 – 2003 Research Fellow, American Bar Foundation
2001 – 2003 Research Associate, Center for Integrating Statistical and Environmental Science, University of Chicago
2001 – 2003 Research Associate, Population Research Center, University of Chicago
2000 – 2003 Faculty Research Fellow, National Bureau of Economic Research

1998 – 2000 Visiting Scholar, Center for Labor Economics, University of California Berkeley
1996 – present Special Sworn Employee, US Census Bureau

FIELDS OF INTEREST

Environmental Economics, Public Finance, Labor Economics, and Health Economics

FELLOWSHIPS AND AWARDS

National Institute of Health (NICHD) R21 Grant #HD055613-01, (with Janet Currie and Enrico Moretti), 2007-2009
Smith-Richardson Foundation, “The Effects of the Endangered Species Act on Economic Development,” (with Ted Gayer), 2006-2007
Eligible Fellow, Center for Advanced Study in the Behavioral Sciences, 2005-2011
12th Annual Kenneth J. Arrow Award for Best Paper in Field of Health Economics, 2004
Albert Rees Prize for Best Dissertation in Labor Economics from Princeton in Previous Six Years, 2003
National Institute of Health (NICHD) R01 Grant #HD42176-01, (with Kenneth Chay), 2002-2006
Environmental Protection Agency through Center for Integrating Statistical and Environmental Science at University of Chicago (with Kenneth Chay), 2002-2004
George G. Stigler Center for Study of Economy and State Faculty Research Grant, (with Paul Oyer and Annette Vissing-Jorgensen), 2001-2002 and 2002-2003
National Institute of Health (NICHD) RO3 Grant #HD38302-01, (with Kenneth Chay), 2000-2001
National Science Foundation Grant #9730212, (with Kenneth Chay), 1998-2001
Alfred P. Sloan Foundation Doctoral Dissertation Fellowship, 1996-1997
Woodrow Wilson Society of Fellows Graduate Fellowship, Princeton University, 1996-1998
Joseph L. Fisher Dissertation Award, Resources for the Future, 1996-1997
Robertson Fellowship, Woodrow Wilson School, Princeton University, 1995-1997
Center for Economic Policy Studies Research Grant, Princeton University, 1996
Lynde and Harry Bradley Foundation Fellowship, 1995-1996
Princeton University Fellowship, 1993-1996 and Summers 1996 and 1997

PUBLICATIONS

“Civil Rights, the War on Poverty, and Black-White Convergence in Infant Mortality in the Rural South and Mississippi,” (with Douglas Almond and Kenneth Chay). September 2007. Accepted Subject to Minor Revisions at *American Economic Review*.

“Identifying Agglomeration Spillovers: Evidence from Winners and Losers of Large Plant Openings,” (with Rick Hornbeck and Enrico Moretti). *Journal of Political Economy*, 2010, 118 (3): 536-598.

“The Changing Consequences of Attending Historically Black Colleges and Universities,” (with Roland Fryer). *American Economic Journal: Applied Economics*, 2010, 2(1): 116-48.

“Climate Change and Birth Weight,” (with Olivier Deschenes and Jonathan Guryan). *American Economic Review Papers and Proceedings*, 2009, 99(2): 211-217.

“Winter Heating or Clean Air? Unintended Impacts of China’s Huai River Policy,” (with Douglas Almond, Yuyu Chen, and Hongbin Li). *American Economic Review Papers and Proceedings*, 2009, 99(2): 184-190.

“Quasi-Experimental and Experimental Approaches to Environmental Economics,” (with Ted Gayer). *Journal of Environmental Economics and Management*, 57 (1), 2009: 21-44.

“Does Hazardous Waste Matter? Evidence from the Housing Market and the Superfund Program,” (with Justin Gallagher). *Quarterly Journal of Economics*, August 2008.

“The Economic Impacts of Climate Change: Evidence from Agricultural Output and Random Fluctuations in Weather,” (with Olivier Deschenes). *American Economic Review*, March 2007.

“Mandated Disclosure, Stock Returns, and the 1964 Securities Act,” (with Paul Oyer and Annette Vissing-Jorgensen). *Quarterly Journal of Economics*, May 2006.

“Does Air Quality Matter? Evidence from the Housing Market,” (with Kenneth Chay). *Journal of Political Economy*, April 2005, 113(2).

“Did the Clean Air Act Amendments Cause the Remarkable Decline in Sulfur Dioxide Concentrations?” *Journal of Environmental Economics and Management*, 2004, 47.

•Reprinted in Spatial Aspects of Environmental Policy, editors Jacqueline Geoghegan and Wayne Gray

“Estimating the Value of a Statistical Life: The Importance of Omitted Variables and Publication Bias,” (with Orley Ashenfelter). *American Economic Review Papers and Proceedings*, 2004, 94(2).

“Using Mandated Speed Limits to Measure the Value of a Statistical Life,” (with Orley Ashenfelter). *Journal of Political Economy*, 2004, 112(1, Pt. 2).

“The Clean Air Act of 1970 and Adult Mortality,” (with Kenneth Chay and Carlos Dobkin). *Journal of Risk and Uncertainty*, 2003, 27(3).

“The Impact of Air Pollution on Infant Mortality: Evidence from Geographic Variation in Pollution Shocks Induced by a Recession,” (with Kenneth Chay). *Quarterly Journal of Economics*, 2003, 118(3).

•Awarded Kenneth J. Arrow Award for Best Paper in Field of Health Economics in 2003.

“Estimating Regulation-Induced Substitution: The Effect of the Clean Air Act on Water and Ground Pollution.” *American Economic Review Papers and Proceedings*, 2003, 93(2).

“The Impacts of Environmental Regulations on Industrial Activity: Evidence from the 1970 and 1977 Clean Air Act Amendments and the Census of Manufacturers.” *Journal of Political Economy*, 2002, 110(6).

“A Reexamination of Resource Allocation Responses to the 65-mph Speed Limit.” *Economic Inquiry*, 2002, 40(2).

“The Convergence in Black/White Infant Mortality Rates during the 1960s,” (with Kenneth Chay). *American Economic Review Papers and Proceedings*, 2000, 90(2).

“Are There Sectoral Anomalies Too? The Pitfalls of Multiple Hypothesis Testing and a Simple Solution,” (with Paul Oyer). *Review of Quantitative Finance and Accounting*, 2000, 15(1).

WORKING PAPERS

“Climate Change, Mortality, and Adaptation: Evidence from Annual Fluctuations in Weather in the US,” (with Olivier Deschenes). NBER Working Paper No. 13178, June 2007. Revision Requested by *American Economic Journal: Applied Economics*.

“Weather and Death in India: Mechanisms and Implications for Climate Change,” (with Robin Burgess, Olivier Deschenes, and Dave Donaldson), Working Paper.

“Superfund Cleanups and Infant Health,” (with Janet Currie and Enrico Moretti), Working Paper.

“The Short- and Medium-Run Impacts of Clean Water on Diarrhea and Malaria in Rural India,” (with Esther Duflo and Raymond Guiteras), Working Paper.

“Bidding for Industrial Plants: Does Winning a ‘Million Dollar Plants’ Increase Welfare?” (with Enrico Moretti). Mimeograph, 2004. Revision requested by *American Economic Review*.

“Is The ‘Surge’ Working? Some New Facts.” MIT Department of Economics Working Paper, September 2007. Revision Requested by *B.E. Journal of Economic Analysis & Policy*.

“Air Quality, Infant Mortality, and the Clean Air Act of 1970,” (with Kenneth Chay). NBER Working Paper No. 10053, 2003.

“The Wage Consequences of Enclave Residence: Evidence from the 1980 and 1990 Censuses.” University of California-Berkeley, Center for Labor Economics Working Paper No. 6, November 1998. Revision requested by *Industrial and Labor Relations Review*.

WORKS IN PROGRESS

“The Effects of Environmental Regulation on the Competitiveness of U.S. Manufacturing” (with John A. List and Chad Syverson).

“The Health and Economic Impacts of Indoor Air Pollution: Evidence from a Randomized Study in Orissa, India,” (joint with Esther Duflo and Rema Hanna)

“Air Pollution and Infant Mortality: Evidence from India,” (joint with Rema Hanna).

“The Costs of Biodiversity: Evidence from the Endangered Species Act and Land Markets,” (with Ted Gayer).

“New Evidence on the Impacts of Mandatory Disclosure Laws: A Re-Examination of the 1934 Securities Exchange Act,” (with Annette Vissing-Jorgensen)

“The Health Effects of Radioactive Fallout from Nuclear Testing: Evidence from Infant Health Outcomes,” (with Douglas Almond).

“The Hill-Burton Hospital Construction Program and Infant Health,” (with Doug Almond, Kenneth Chay, Stacy Sneeringer, and Melissa Thomasson).

OTHER PUBLICATIONS

“Effective Regulation through Credible Cost–Benefit Analysis: The Opportunity Costs of Superfund,” in Edward Balleisen and David Moss (eds.) Government and Markets: Toward a New Theory of Regulation. Cambridge; New York: Cambridge University Press, pp. 52-91, 2010.

“Toward a Culture of Persistent Regulatory Experimentation and Evaluation” in David Moss and John Cisternino (eds.) New Perspectives on Regulation. Cambridge, MA: The Tobin Project, pp. 111-126, 2009.

“Cooking Stoves, Indoor Air Pollution, and Respiratory Health,” (with Esther Duflo and Rema Hanna). *Economic and Political Weekly*, 43 (32), pp. 71-76 (August 09 - August 15, 2008).

“Tradable Water Rights,” *Democracy*, Spring 2008.

“Indoor Air Pollution, Health, and Economic Well-Being,” (with Esther Duflo and Rema Hanna). *Surveys and Perspectives Integrating Environment and Society*, 2008, 1(1).

“The Value of Knowing,” (with Paul Oyer and Annette Vissing-Jorgensen). *Regulation*, Summer 2006.

INVITED LECTURES

MIT Energy Conference Dinner Keynote, MIT, 2010

Myron Scholes Global Markets Forum, University of Chicago Booth School, 2010

Special Session Lecture, Royal Economic Society Conference, 2009

Statistics in Society Lecture, New York University, 2009

Razin Economic Policy Lecture, Georgetown University, 2009

Keynote Address, Hong Kong Economic Association Biennial Conference, 2008

Bernard Saffran Lecture at Swarthmore College, 2008

News Executives Climate Change Symposium, Stanford University, 2007

J. Fish Smith and Lillian F. Smith Endowed Chair of Economics Visiting Lecture, BYU, 2004.

Lecture to National Association of Attorneys General, 2003.

Invited Address, 2nd World Congress of Environmental Economists, June 2002.

SEMINARS AND CONFERENCE PRESENTATIONS

American Bar Foundation, ASSA, Arizona, British Columbia, Brookings, Brown, Brownfields Conference, UC-Berkeley (Haas, Econ, Public Policy, School of Public Health, Energy Institute), Brigham Young, UC-Davis, UC-Irvine, UC-Los Angeles, UC-San Diego, UC-Santa Barbara (Econ and Bren), UC-Santa Cruz, CES (Census Bureau), Carnegie Mellon, CEMFI, Chicago (CISES, Econ, Medical School, and Public Policy), Colorado, Columbia, Cornell, Dartmouth, Environmental Protection Agency, Federal Reserve Bank of Chicago, Frontiers of Environmental Economics Conference, Georgetown, Harvard (KSG and Econ), Hebrew (Gronau Conference) Illinois-Chicago, Illinois-Urbana Champaign, Johns Hopkins University (SPH), Joint Statistical Meetings (JSM), Kentucky, London Business School, London School of Economics, Maryland (Ag Econ and Econ), McGill, Massachusetts, Massachusetts Institute of Technology, Michigan (Ford), Minnesota, Missouri, Montreal HEC, National HBCU Week Conference, National Taiwan University, NatureServe Southeast Regional Conference, NBER, New York University, NIH, North Carolina State, Northwestern, NSF Research Data Centers Conference, NSF Symposium on Quasi-Experimental Methods, OECD, Oregon, Pennsylvania (Wharton), Pittsburgh, Princeton, Rand, Resources for the Future, Rice, Robert Wood Johnson Conference, Syracuse (Econ and Maxwell), SOLE Conference, Stanford (Econ, GSB, Woods Institute), Stockholm, Swarthmore, Texas, Toronto, Universitat Pompeu Fabra, Virginia, WEA Conference, Washington, Wisconsin, and Yale (SOM and Law).

PROFESSIONAL ACTIVITIES

JOURNALS

Editor, *Review of Economics and Statistics*, 2007 – present

Board of Editors, *American Economic Journal: Economic Policy*, 2007 – present

Associate Editor, *Review of Economics and Statistics*, 2007
Board of Editors, *Review of Environmental Economics and Policy*, 2006 - present
Board of Editors, *Journal of Economic Literature*, 2005 – present
Associate Editor, *Journal of Business and Economic Statistics*, 2004 – 2006
Board of Editors, *Journal of Economic Data*, 2004 – present

PUBLIC SERVICE

Reviewer, National Institute of Health, Special Emphasis Panel, 2007
Member, US EPA Science Advisory Board, Environmental Economics Subcommittee, 2003 – 2009
Member, US EPA, Advisory Board for Methods for Estimating the Social Benefits of EPA Land Clean-Up and Reuse Programs, 2006-7

CONFERENCES

Program Committee, Association of Environmental and Resource Economists Summer Workshop, 2007 and 2008 (Chair)
Program Committee, North American Summer Meeting of the Econometric Society, 2007
Co-organizer, NBER Environmental Economics Summer Institute, 2002, 2004, 2006, and 2008
Program Committee, 2003 American Economic Association Meetings
Program Committee, 2002 World Congress of Environmental Economists
Selection Committee, National Tax Association Dissertation Award, 2006 and 2007

REFEREE

American Economic Review, *Berkeley Economic Press*, *Census Bureau Center for Economic Studies*, *Climatic Change*, *Ecological Economics*, *Econometrica*, *Economic Journal*, *Environmental and Resource Economics*, *European Economic Review*, *Industrial and Labor Relations Review*, *International Economic Review*, *Journal of Development Economics*, *Journal of Environmental Economics and Management*, *Journal of the European Economic Association*, *Journal of Human Resources*, *Journal of Law and Economics*, *Journal of Law Economics and Organization*, *Journal of Political Economy*, *Journal of Public Economics*, *Journal of Transport Economics and Policy*, *Law and Social Inquiry*, *National Science Foundation*, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *Regional Science and Urban Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, and *Science*.