

## **HEIDI L. WILLIAMS**

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### **Education**

2010 PhD, Economics, Harvard University  
Dissertation: “Essays on technological change in health care markets”  
Advisors: David Cutler, Amy Finkelstein, Lawrence Katz  
2004 MSc, Economics for Development, University of Oxford  
2003 AB, Mathematics, Dartmouth College

### **Employment**

2011 – Assistant Professor, MIT Department of Economics  
2013 – 2014 Visiting Assistant Professor, Stanford University, Stanford Institute for Economic Policy Research  
2010 – 2011 Visiting Fellow in Aging Research, National Bureau of Economic Research (NBER)

### **Professional activities**

2013 – Associate Member, Broad Institute of MIT and Harvard  
2013 – Associate Editor, *International Journal of Industrial Organization*  
2012 – Associate Editor, *Review of Economics and Statistics*  
2010 – Faculty Research Fellow, NBER (Aging, Health Care, and Productivity)

### **Honors**

2013 Kauffman/iHEA Award for Health Care Entrepreneurship and Innovation Research  
2013 MIT Undergraduate Economics Association Teaching Award  
2012 – 2017 National Science Foundation (NSF) CAREER Award  
2011 Excellence in Refereeing Award, *Quarterly Journal of Economics*  
2011 Garfield Economic Impact Award  
2011 World Economic Forum, Young Global Shaper  
2010 Healthcare Cost & Utilization Project (HCUP) Outstanding Article of the Year Award  
2010 Association for Public Policy Analysis and Management (APPAM) Dissertation Award  
2008 – 2010 Pre-doctoral Fellow in Aging and Health Economics; NBER  
2007 Price Theory Scholar; Becker Center on Chicago Price Theory; University of Chicago  
2004 Webb-Medley Overall Prize (*proxime accessit*); University of Oxford  
2003 National Science Foundation Graduate Research Fellowship  
2003 Rhodes Scholarship  
2002 Harry S. Truman Scholarship

### **Refereed journal publications**

“Intellectual Property Rights and Innovation: Evidence from the Human Genome”

2013, *Journal of Political Economy* 121(1): 1-27

NBER working paper #16213

“Estimating Marginal Returns to Medical Care: Evidence from At-Risk Newborns”

With Douglas Almond, Joseph Doyle, and Amanda Kowalski

2010, *Quarterly Journal of Economics* 125(2): 591-634

NBER working paper #14522

- Subsequent rejoinder: 2011, *Quarterly Journal of Economics* 126(4): 2125-2131
- Awarded the 2010 Healthcare Cost & Utilization Project (HCUP) Outstanding Article of the Year Award for “innovative and inspiring perspective on health, the health care field, public health policy, or research”
- Awarded the 2011 Garfield Economic Impact Award for “outstanding research that illustrates how medical or health research impacts the economy”

## Working papers

“Do Fixed Patent Terms Distort Innovation? Evidence from Cancer Clinical Trials”

With Eric Budish and Benjamin Roin

Revise-and-resubmit, *American Economic Review*

- Awarded the 2013 Kauffman/iHEA Award for Health Care Entrepreneurship and Innovation Research for “best original research paper on health care entrepreneurship”

“Why is Infant Mortality in the US Higher Than in Europe?”

With Alice Chen and Emily Oster

2013, draft

## Other writing

“Innovation Inducement Prizes: Connecting Research to Policy”

2012, *Journal of Policy Analysis and Management* 31(3): 752-776

“Incentivizing Innovation: Adding to the Toolkit”

With Michael Kremer

2010, in Josh Lerner and Scott Stern (editors), *Innovation Policy and the Economy Volume 10*: 1-17

“Advance Market Commitments for Vaccines Against Neglected Diseases: Estimating Costs and Effectiveness”

With Ernst Berndt, Rachel Glennerster, Michael Kremer, Jean Lee, Ruth Levine, and Georg Weizsäcker

2007, *Health Economics* 16(3): 491-511

NBER working paper #11288

“Creating Markets for Vaccines”

With Rachel Glennerster and Michael Kremer

2006, *Innovations: Technology | Governance | Globalization* 1(1): 67-79

“Advance Market Commitments: A Policy to Stimulate Investments in Vaccines for Neglected Diseases”

With Owen Barder and Michael Kremer

2006, *The Economists' Voice* 3(3): article 1

“The Price of Life”

With Rachel Glennerster and Michael Kremer

2005, *Foreign Policy* May/June: 26-27

## Invited presentations

- 2013 – 2014: (includes scheduled) UCSD; UC-Berkeley Haas; Stanford; U-Arizona; Chicago Booth; UCLA Anderson; UC-Berkeley; ETH-Zurich; UT-Austin; UCLA; LSE; ASSA annual meeting; UC-Santa Barbara; Bryant; HBS; Duke Fuqua; FTC; Princeton; U-Penn Wharton; Northwestern Kellogg
- 2012 – 2013: Wellesley; Cornell Law School Empirical Patent Law Conference; U-Illinois at Urbana-Champaign; Office of Health Economics; Toulouse; UC-Berkeley Haas; Harvard Law School; Georgia Tech; MIT; NBER-NCAER-ICRIER Neemrana Conference; Yale Law School; 116<sup>th</sup> meeting of the National Advisory Council on Aging; U-Virginia; Carnegie Mellon; NBER Spring Productivity meeting; NBER Spring Public Economics meeting; Northwestern Kellogg (“Healthcare markets” conference); Bureau of Economic Analysis; Congressional Budget Office; NBER Summer Institute Industrial Organization meeting; NBER Summer Institute Law and Economics meeting
- 2011 – 2012: Brookings; NYU Law School
- 2010 – 2011: U-Illinois Chicago IGPA; U-Toronto Rotman; Notre Dame; Brown; NSTC (“Science of science measurement” workshop); ASSA annual meeting; Northeastern; NBER Economics of Digitization meeting; U-Maryland College Park; UC-Davis; Ohio State; RAND; UCLA; Southern California Conference in Applied Microeconomics; BU/Harvard/MIT Health Economics seminar; U-Warwick
- 2009 – 2010: NBER Fall Productivity meeting; U-Penn Wharton; Northwestern Kellogg; Northwestern; Columbia SIPA; Chicago Booth; Harvard Kennedy School; LSE, joint Department of Economics and Department of Management; Stanford, joint Department of Economics and GSB; MIT, joint Department of Economics and Sloan; HBS; UC-Berkeley Haas; Yale SOM; Broad Institute;

- Wellesley; Sciences Po (“Innovation without patents” conference); BU Law School (“Communicating technical knowledge” conference); WEAI meeting; NBER Summer Institute Aging meeting; IFPRI
- 2008 – 2009: Middlebury; NBER Summer Institute Health Care meeting
- 2007 – 2008: OECD (“Medicines for neglected and emerging infectious diseases” forum); ASSA annual meeting
- 2006 – 2007: NIH MIDAS meeting; Yale School of Medicine

### **Invited discussions**

- 2013 – 2014: (includes scheduled)  
 SIEPR Young Scholars Conference  
 NBER Public Economics Fall meeting  
 ASSA annual meeting  
 Yrjo Jahnsson Foundation Conference
- 2012 – 2013: NBER Conference on the Economics of Digitization  
 National Tax Association 2012 Annual Conference on Taxation  
 Harvard Business School (HBS) Strategy Conference  
 NBER Summer Institute Innovation Policy and the Economy meeting  
 NBER Summer Institute Entrepreneurship meeting
- 2011 – 2012: USPTO/Kauffman Foundation, Patents, Entrepreneurship, and Innovation conference  
 UC-Berkeley, Science, Intellectual Property, and Innovation All UC conference  
 NBER Technological Progress and Productivity Measurement Spring meeting  
 ASSA annual meeting  
 NBER Organizational Economics Working Group Fall meeting  
 NBER Summer Institute Innovation Policy and the Economy meeting  
 U-Chicago, Individuals and Institutions in the Health Care Sector conference  
 NBER Law and Economics Spring meeting
- 2010 – 2011: U-Michigan, CCC Doctoral Student conference
- 2009 – 2010: Harvard Law; Pharmaceutical Research, Development, and Markets conference

### **Other professional service activities**

Referee: *American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; American Economic Review; Econometrica; Economic Journal; Health Affairs; International Economic Review; International Journal of Industrial Organization; Israel Science Foundation; Journal of Finance; Journal of Health Economics; Journal of Human Resources; Journal of Industrial Economics; Journal of Law, Economics, and Organization; Journal of Political Economy; Journal of Public Economics; Management Science; Mathematical Biosciences; National Science Foundation; Proceedings of the National Academy of Sciences; Quarterly Journal of Economics; RAND Journal of Economics; Review of Economics and Statistics; Science*

Selection Committee Member, Harry S. Truman Scholarship, 2008 – present

*Updated: December 2013*