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EDUCATION

Harvard University. Ph.D. in Economics, 1992.

Harvard College. A.B. in Social Studies, Magna cum laude, Phi Beta Kappa, 1985.

EXPERIENCE

Scientific Director, Development Innovation Ventures, US Agency for International Development 2010 –

Gates Professor of Developing Societies 2003-

Professor of Economics, Harvard University, 1999-2003.

Research Associate, National Bureau of Economic Research, 1999-Present.

Senior Fellow, The Brookings Institution, 1998-Present.

Faculty Fellow, Center for International Development, Harvard Kennedy School, 1998-Present.

Faculty Associate, Harvard Institute for International Development, 1997-2000.

Professor of Economics, MIT, 1998-1999.

Pentti Kouri Career Development Associate Professor of Economics, MIT, 1996-1998.

Research Associate, Harvard Institute for International Development, 1995-1997.

Pentti Kouri Career Development Assistant Professor of Economics, MIT, 1994-1996.

Faculty Research Fellow, National Bureau of Economic Research, 1993-1999.

Assistant Professor of Economics, MIT, 1993-1994.

Visiting Assistant Professor, University of Chicago, Spring 1993.

Postdoctoral Fellow, MIT, 1992-1993.

Executive Director, WorldTeach, 1986-1989. Founded and directed non-profit organization placing three hundred volunteer teachers annually in developing countries.

Teacher and Administrator, Eshisiru Secondary School, Kakamega District, Kenya, 1985-1986.

HONORS AND AWARDS

Scientific American 50 Award. Named one of the 50 researchers of the year, 2006.

Kenneth J. Arrow Award for Best Paper in Health Economics in 2004 by the International Health Economics Association, 2005.

Association of American Publishers Award for the Best Professional/Scholarly Book in Medical Science for *Strong Medicine*, 2004.

Young Global Leader, the World Economic Forum, 2004

Fellow, American Academy of Arts and Sciences, 2003.

MacArthur Fellowship, 1997.

Presidential Early Career Award for Scientists and Engineers, 1996.

Health and Aging Fellow, National Bureau of Economic Research, 1996-1997.

National Fellow, Hoover Institution, Stanford University, 1994-1995.

Review of Economic Studies dissertation award recipient, 1992.

Wells Prize for economics dissertation at Harvard, 1992.

National Science Foundation Fellowship, 1989-1992.

OTHER ACTIVITIES

Co-chair, Co-founder, BREAD (The Bureau for Research and Economic Analysis of Development), 2001-Present. BREAD organizes conferences in development economics, focusing on microeconomic issues.

Non-resident Fellow, Center for Global Development, 2002-Present.

Associate Editor, Journal of Development Economics, 1999-2004

Associate Editor, Quarterly Journal of Economics, 1998-2008

Member Board of Editors, American Economic Journal: Applied Economics, 2007-

Consultant, Development Economics Research Group (DECRG), The World Bank

PUBLICATIONS BOOKS

Strong Medicine: Creating Incentives for Pharmaceutical Research on Neglected Diseases, with Rachel Glennerster, Princeton and Oxford: Princeton University Press, 2004.

ACADEMIC ARTICLES AND BOOK CHAPTERS

"Behavioral Biases and Firm Behavior: Evidence from Kenyan Retail Shops," with Jean Lee, Jonathan Robinson, and Olga Rostapshova, forthcoming *American Economic Review Papers and Proceedings*.

"Improving Health in Developing Countries: Evidence From Randomized Evaluations," with Rachel Glennerster in Mark V. Pauly, Thomas G. McGuire, and Pedro Pita Barros (eds) *Handbook of Health Economics*, Volume 2, North Holland: Elsevier, 2011.

"The Economics of International Refugee Law," with Ryan Bubb and David Levine, *Journal of Legal Studies* 40:2 (June 2011): 367-404.

"Nudging Farmers to Use Fertilizer: Theory and Experimental Evidence from Kenya," with Esther Duflo and Jonathan Robinson, *American Economic Review*, 101:6 (October 2011): 2350 - 90.

"Peer Effects and the Impacts of Tracking: Evidence from a Randomized Evaluation in Kenya," with Esther Duflo and Pascaline Dupas, *American Economic Review* 101:5 (August 2011):1739-1774 (CEPR Working Paper No. 7043 and NBER Working Paper No. 14475).

"Spring Cleaning: Rural Water Impacts, Valuation and Property Rights Institutions," with Jessica Leino, Edward Miguel, and Alix Peterson Zwane, *Quarterly Journal of Economics* 126:1 (February 2011): 145-205 (National Bureau of Economic Research, NBER Working Papers: 15280, 2009.)

"The Risk of Asking: Being Surveyed Can Affect Later Behavior," with Alix Peterson Zwane, Jonathan Zinman, Eric Van Dusen, William Pariente, Clair Null, Edward Miguel, Michael Kremer, Dean Karlan, Richard Hornbeck, Xavier Ginéj, Esther Duflo, Florencia Devoto, Bruno Crepon, and Abhijit Banerjee, *Proceedings of the National Academy of Sciences of the United States of America (PNAS)* 108:5 (February 1, 2011): 1821-1826.

"Providing Safe Water: Evidence from Randomized Evaluations," with Amrita Ahuja and Alix Peterson Zwane, *Annual Review of Resource Economics*, Volume 2, 2010. Palo Alto, California: Annual Reviews. http://www.annualreviews.org

"Are Educational Vouchers Only Redistributive?" with Eric Bettinger and Juan E. Saavedra, *The Economic Journal:* 120 (August 2010): F204–F228. doi: 10.1111/j.1468-0297.2010.02374.x

"Teacher Incentives," with Paul Glewwe and Nauman Ilias, *American Economic Journal: Applied Economics* :2:3 (July 2010): 205-27 (National Bureau of Economic Research, Inc, NBER Working Paper 9671, 2003.)

"Self-Control and the Development of Work Arrangements," with Supreet Kaur and Sendhil Mullainathan, *American Economic Review*: 100: 2 (May 2010): 624-28.

"Early-Life Malaria Exposure and Adult Outcomes: Evidence from Malaria Eradication in India," with David Cutler, Winnie Fung, Monica Singhal, and Tom Vogl, *American Economic Journal: Applied Economics* 2:2 (April 2010): 72-94. ("Mosquitoes: The Long-term Effects of Malaria Eradication in India," National Bureau of Economic Research, Inc, NBER Working Papers: 13539, 2007).

"Incentivizing Education: Adding to the Toolkit," with Heidi Williams, *Innovation Policy and the Economy* 10 (2010): 1-17.

"Economic transformation, population growth and the long-run world income distribution," with Marcos Chamon. *Journal of International Economics* 79:1 (September 2009): 20-30. International Monetary Fund, IMF Working Papers: 06/21, 2006 and National Bureau of Economic Research, Inc, NBER Working Papers: 12038, 2006.

"Pricing and Access: Lessons from Randomized Evaluations in Education and Health," with Alaka Holla in Jessica Cohen and William Easterly (eds.) *What Works in Development? Thinking Big and Thinking Small*. Washington, DC: Brookings Institution Press, 2009.

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"Public-Private Schools in Rural India," with Karthik Muralidharan in Rajashri Chakrabarti and Paul E. Peterson, eds., *School-Choice International: Exploring Public-Private Partnerships*. Cambridge (Mass): The MIT Press, 2009.

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"Globalisation and Inequality within Countries," in *Poverty in Focus: The Challenge of Inequality* Brasilia: International Poverty Center, June 2007: 10 - 11.

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"Empathy or Antipathy? The Consequences of Racially and Socially Diverse Peers on Attitudes and Behaviors," with Greg Duncan, Johanne Boisjoly, Dan Levy, and Jacque Eccles. *American Economic Review* 96:5 (December 2006): 1890-1906.

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"Missing in Action: Teacher and Health Worker Absence in Developing Countries" with Nazmul Chaudhury, Jeffrey Hammer, Karthik Muralidharan, and F. Halsey Rogers. *Journal of Economic Perspectives* 20:1 (Winter 2006): 91-116.

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- "Incentives for research on neglected diseases" Letter to the Editor, *The Lancet* (365), February 26, 2005, pp. 753-754.
- "'Measuring Poverty': Discussion" *The Review of Economics & Statistics* 87:1 (February 1, 2005): 23-25.
- "Use of Randomization in the Evaluation of Development Effectiveness," with Esther Duflo, in George Keith Pitman, Osvaldo N. Feinstein, and Gregory K. Ingram, eds., *Evaluating Development Effectiveness*, Vol. 7 of *World Bank Series on Evaluation and Development*. New Brunswick, New Jersey, and London, U.K.: Transaction Publishers, 2005.
- "Encouraging Private Sector Research for Tropical Agriculture," with Alix Peterson Zwane. *World Development* 33:1 (January 2005): 87-105.
- "On How To Improve World Health," Daedalus, Summer 2004: 120-123.
- "Comment on Jeffrey Sachs' 'Ending Africa's Poverty" in William C. Brainard and George L. Perry, eds., *Brookings Papers on Economic Activity*, 2004:1: 217-231. Washington, D.C.: Brookings Institution Press, 2004.
- "Regional Public Goods and Health in Latin America," (with Jessica Leino) in Antoni Estevadeordal, Brian Frantz, Tam Robert Nguyen, eds., *Regional Public Goods: From Theory to Practice*, Washington, D.C.:_Inter-American Development Bank and Asian Development Bank, 2004.
- "Comments on 'Assessing the Impact of Globalization on Poverty and Inequality: A New Lens on an Old Puzzle' (Carol Graham) and on 'Poverty and the Organization of Political Violence: A Review and Some Conjectures' (Nicholas Sambanis)" in Susan M. Collins and Carol Graham, eds., *Brookings Trade Forum 2004: Globalization, Poverty and Inequality*. Washington, DC: Brookings Institution Press, 2004.
- "Statist Quo Bias: Rejoinder to De Alessi," *Econ Journal Watch* 1:2 (August 2004): 277-278. http://www.econjournalwatch.org
- "An Ivory-Tower Take on the Ivory Trade: Response to De Alessi," *Econ Journal Watch* 1:1 (April 2004): 55-57. http://www.econjournalwatch.org
- "Ways to Spur Malaria Vaccine Research," (with Rachel Glennerster), forthcoming in *The Economics of Malaria*.

"Retrospective vs. Prospective Analyses of School Inputs: The Case of Flip Charts in Kenya," with Paul Glewwe, Sylvie Moulin and Eric Zitzewitz. *Journal of Development Economics* 74:1 (June 2004): 251-268. (NBER Working Paper 8018, 2000)

"Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities," with Edward Miguel, *Econometrica* 72:1 (January 2004):159-217. (NBER Working Paper 8481, 2001)

"Elephants: Reply," with Charles Morcom. *American Economic Review* 93:4 (September 2003): 1446-1448.

"Randomized Evaluations of Educational Programs in Developing Countries: Some Lessons," *American Economic Review* 93:2 (May 2003): 102-106.

"A Purchase Commitment for Vaccines," a contribution to "Beyond Communicable Disease Control: Health in the Age of Globalization," by Dyna Arhin-Tenkorang and Pedro Conceição, in Inge Kaul, Pedro Conceição, Katell Le Goulven, and Ronald U. Mendoza, eds., *Providing Global Public Goods: Managing Globalization*, Oxford University Press, 2003.

"Vouchers for Private Schooling in Colombia: Evidence from a Randomized Natural Experiment," with Joshua Angrist, Eric Bettinger, Erik Bloom, and Elizabeth King. *American Economic Review* 92:5 (December 2002):.1535-1558. (NBER Working Paper 8343, 2001)

"Pharmaceuticals and the Developing World," *Journal of Economic Perspectives* 16:4, (Fall 2002): 67-90.

"Income Distribution Dynamics with Endogenous Fertility," with Daniel Chen. *Journal of Economic Growth* 7:3 (September 2002):227-258. (NBER Working Paper 7530, 2000).

"The Impact of Development Assistance on Social Capital: Evidence from Kenya," with Mary Kay Gugerty, in Christian Grootaert and Thierry van Bastelaer, eds., *The Role of Social Capital in Development: An Empirical Assessment*. Cambridge (UK): Cambridge University Press, April 2002.

"A Purchase Commitment for Vaccines," in Inge Kaul, Katell Le Goulven, and Mirjam Schnupf, eds., *Global Public Goods Financing: New Tools for New Challenges, A Policy Dialogu*e, United Nations Development Programme, Office of Development Studies, 2002.

"Does Favorable Tax-Treatment of Housing Reduce Equipment Investment?" with Ben Broadbent. *Journal of Public Economics* 81:3 (September 2001): 369-391. (NBER Working Paper 6161, 1997).

"Creating Markets for New Vaccines: Part I: Rationale," in Adam B. Jaffe, Josh Lerner, and Scott Stern (eds.), <u>Innovation Policy and the Economy</u>, MIT Press, Volume 1, 2001.

"Creating Markets for New Vaccines: Part II: Design Issues," in Adam B. Jaffe, Josh Lerner, and Scott Stern (eds.), *Innovation Policy and the Economy*, MIT Press, Volume 1, 2001.

"Searching for Prosperity," with Alexei Onatski and James Stock, *Carnegie-Rochester Conference Series on Public Policy* (55), 2001, pp. 275-303.

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"Elephants," with Charles Morcom, *American Economic Review*, 90:1 (March 2000): 212-234. (NBER Working Paper 5674, 1996)

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"On the Effect of Changing Sexual Activity on HIV Prevalence," with Charles Morcom, *Mathematical Biosciences* 151:1 (July 1998): 99-122.

"Why Isn't Convergence Instantaneous? Young Workers, Old Workers, and Gradual Adjustment," with Jim Thomson, *Journal of Economic Growth* 3:1 (March 1998): 5-28. (NBER Working Paper 4827, 1994)

"Disorganization," with Olivier Blanchard. *Quarterly Journal of Economics*, 112:4 (November 1997): 1091-1126.

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"Integrating Behavioral Choice into Epidemiological Models of the AIDS Epidemic," *Quarterly Journal of Economics*, 111:2 (May 1996): 549-573. (NBER Working Paper 5428, 1996)

"Research on Schooling: What We Know and What We Don't: A Comment on Hanushek," *The World Bank Research Observer* (10), August 1995, pp. 247-254.

"Saving and Growth: a Comment," *Carnegie-Rochester Conference Series on Public Policy* (40), June 1994, pp. 193 -197.

"Good Policy or Good Luck? Country Growth Performance and Temporary Shocks," with William Easterly, Lant Pritchett, and Lawrence Summers, *Journal of Monetary Economics* 32(3), 1993. (NBER Working Paper 4474, 1993)

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"School Governance, Teacher Incentives, and Pupil-Teacher Ratios: Experimental Evidence from Kenyan Primary Schools," with Esther Duflo and Pascaline Dupas. NBER Working Paper 17939, August 2012.

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"Is There a Doctor in the House? Medical Worker Absence in India," with Karthik Muralidharan, Nazmul Chaudhury, Jeffrey Hammer, and F. Halsey Rogers. Working Paper, Harvard University. April 2011.

"Antiquities: Long-Term Leases as an Alternative to Export Bans," with Tom Wilkening Weatherhead Center for International Affairs Working Papers, Harvard University, 2007.

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"Globalization and Inequality," with Eric Maskin, 2003.

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"Why Are Drugs More Profitable Than Vaccines?" (with Christopher Snyder), NBER Working Paper 9833, 2003.

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