# **ESTHER DUFLO**

## April 2012

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Date of Birth:	October 25, 1972	
Citizenship:	French	
Education:	1999	<b>Ph.D. in Economics, MIT</b> Thesis Title: <i>Three Essays in Empirical Development Economics</i>
	1995	Masters in Economics (DEA), DELTA (Paris) (joint Ecole Normale Supérieure, Ecole Polytechnique, ENSAE)
	1994	<b>Ecole Normale Supérieure (Paris)</b> Maitrise in History Maitrise in Economics

### **Honors and Awards:**

2011	Financial Times and Goldman Sachs Business Book of the Year Award for "Poor
	Economics: A Radical Rethinking of the Way to Fight Global Poverty", with
	Abhijit Banerjee
2011	David N. Kershaw Award, APPAM
2011	Medaille de l'Innovation, Centre National de la Recherche Scientifique
2011	Thomas C. Schelling Award, Harvard Kennedy School
2011	Distinguished CES Fellow (Lecture to be delivered in 2012)
2010	John Bates Clark Medal
2010	Doctorat honoris causa, Université Catholique de Louvain
2009	Prix de l'excellent economique (for the Best Economic Essay of 2009, "Lutter
	Contre la Pauvrete," volumes I and II)
2009	Fellow, MacArthur Foundation
2009	First recipient, Calvó Armengol International Prize, Barcelona Graduate School of
	Economics
2009	Fellow, American Academy of Arts and Sciences
2009	BBVA Foundation Frontiers of Knowledge Award for Development Cooperation
2008	Prix Luc Durand-Reville, by the Accademie des Sciences Morale et
	Politiques, France
2008	Inaugural holder of the chair "Knowledge Against Poverty", College de France,
	Paris

2007 - 2009	Best Advisor, Graduate Economics Association, MIT
2006 - 2009	National Institute of Health Research Grant (R01-HD39922-04A2)
2005	Bronze Medal, Centre National de la Recherche Scientifique
2005	Best Young French Economist Prize
	(Le Monde, Cercle des économistes)
2003	Nominated for the Best Young French Economist Prize
	(Le Monde, Cercle des économistes)
2003	Elaine Bennett Prize for Research
2002	Alfred P. Sloan Research Fellowship
2001 - 2009	National Institute on Child Health and Development Research Grant
	(R01 HD0399)
2001 - 2004	National Institute of Health Research Grant (R01-HD39922-01)
2001 - 2002	John M. Olin Faculty Fellowship, National Association of Scholars
2001 - 2006	Member, John D. and Catherine MacArthur Network on the Costs of Inequality
2000 - 2001	National Science Foundation research grant (SES-0078535)
1999	Review of Economic Studies Tour
1998	Alfred P. Sloan Doctoral Dissertation Fellowship
1997	Doctoral Dissertation Fellowship: Fondation Thiers pour la recherche en sciences
	sociales (Academie francaise)

## **Professional Positions:**

2005-present	Abdul Latif Jameel Professor of Poverty Alleviation and Development
	Economics, MIT; Director, Abdul Latif Jameel Poverty Action Lab
Jan 07-June 07	On Leave at the Paris School of Economics
2004-2005	Professor of Economics, MIT; Director, Poverty Action Lab (MIT)
2002-2004	Castle Krob Career Development Associate Professor of Economics, MIT
2001-2002	Castle Krob Career Development Assistant Professor of Economics, MIT,
	on leave at Princeton University
1999-2001	Assistant Professor of Economics, MIT

## **Editorial Responsibilities:**

2007-present	Board of Editors, Annual Review of Economics
2007-present	Founding Editor, The American Economic Journal: Applied Economics
2007	Member of Program Committee, American Economic Association Meetings
2007	Member of Program Committee, European Economic Association Meetings
2005-2007	Co-editor, Review of Economics and Statistics
2004-2006	Co-editor, Journal of Development Economics
2004–2007	Associate Editor, Journal of Economic Perspectives
2002–2006	Associate Editor, Review of Economics and Statistics
2002–2006	Associate Editor, Journal of the European Economic Association
2004	Member of Program Committee, Econometric Society 9 <sup>th</sup> World Congress
2004	Member of Program Committee, Econometric Society Annual Meeting
2003	Member of Program Committee, European Economic Association Annual Meeting

#### **Other Professional Activities:**

Director, Development Program at the Center for Economic Policy Research (CEPR) Research Associate at the National Bureau of Economic Research (NBER) Board Member, Bureau for Research and Economic Analysis of Development (BREAD)

#### **Publications and Forthcoming Articles:**

#### BOOKS

2011. <u>Poor Economics : A Radical Rethinking of the Way to Fight Global Poverty</u>, Public Affairs. Current and future editions published in French, Italian, Spanish, Portuguese, Cantonese, Korean, Japanese, Dutch and German.

2010. Le Développment Humain (Lutter contre la pauvrete, volume 1), Paris: Le seuil.

2010. La polique de l'autonomie (Lutter contre la pauvrete, volume 2), Paris: Le seuil.

2009. Expérience, science et lutte contre la pauvreté, Paris: Fayard.

#### JOURNALS

"Female Leadership Raises Aspirations and Educational Attainment for Girls: A Policy Experiment in India" (with Lori Beaman, Rohini Pande and Petia Topalova), *Science Magazine*, February 2012, Vol. 335 no. 6068.

"Nudging Farmers to Use Fertilizer: Evidence from Kenya" (with Michael Kremer and Jonathan Robinson), *American Economic Review* 101 (6): 2350-2390, October 2011. (also see NBER Working Paper No. 15131, CEPR Discussion Paper 7402).

"Women's Empowerment and Economic Development", November 2011, *Journal of Economic Literature*, forthcoming. (also see NBER Working Paper No. 17702, 2011; CEPR Discussion Paper 8734, BREAD Policy Paper 29, 2011).

"Happiness on Tap: Piped Water Adoption in Urban Morocco" (with Florencia Devoto, Pascaline Dupas, William Pariente, Vincent Pons), September 2011. *American Economic Journal: Public Policy*, forthcoming. (see NBER Working Paper No. 16933, CEPR Discussion Paper No. 8326, BREAD Policy Paper 23).

"Balancing Growth with Equity: The View from Development", *Federal Reserve Bank of Kansas City Economic Policy Symposium 2011 volume*, forthcoming.

"Incentives Work: Getting Teachers to Come to School," (with Rema Hanna and Stephen Ryan), May 2010. *American Economic Review*, forthcoming. (also see NBER Working Paper No. 11880, 2005; BREAD Working Paper No. 103, CEPR Discussion Paper 6682, November 2007). "Peer Effects and the Impacts of Tracking: Evidence from a Randomized Evaluation in Kenya" (with Pascaline Dupas and Michael Kremer), March 2010. *American Economic Review*, forthcoming (also see CEPR Working Paper No. 7043 and NBER Working Paper No. 14475).

"Improving Immunization Coverage in Rural India: A Clustered Randomized Controlled Evaluation of Immunization Campaigns with and without Incentives," (with Abhijit Banerjee, Rachel Glennerster, and Dhruva Kothari), *British Medical Journal*, 2010;340:c2220.

"Being Surveyed Can Change Later Behavior and Related Parameter Estimates," (with Alix Peterson Zwane, Jonathan Zinman, Eric Van Dusen, William Pariente, Clair Null, Edward Miguel, Michael Kremer, Dean Karlan, Richard Hornbeck, Xavier Giné, Florencia Devoto, Bruno Crepon and Abhijit Banerjee), *Proceedings of the National Academy of Sciences of the United States of America*, February 1, 2011.

"Giving Credit Where it is Due," (with Abhijit Banerjee), *Journal of Economic Perspectives*, Vol. 24(3): 61-79, Summer 2010.

"Pitfalls of Participatory Programs: Evidence from a randomized evaluation in education in India" (with Abhijit Banerjee, Rukmini Banerji, Rachel Glennerster, Stuti Khemani), *American Economic Journal: Economic Policy*, Vol. 2 (1): 1-30, February 2010. (also see CEPR working paper No. DP6781).

"The Experimental Approach to Development Economics," (with Abhijit Banerjee), *Annual Review* of *Economics*, Vol. 1: 151-178, September 2009. (also see CEPR working paper No. DP7037, NBER working paper No. 14467).

"Powerful Women: Does Exposure Reduce Bias?" (with Lori Beaman, Raghabendra Chattopadhyay, Rohini Pande and Petia Topalova), *Quarterly Journal of Economics*, Vol. 124(4): 1497-1540, November 2009. (also see CEPR Working Paper No. 6922, NBER Working paper No. 14198).

"Long Run Impacts of Income Shocks: Wine and Phylloxera in 19th Century France," (with Abhijit Banerjee, Gilles Postel-Vinay, and Tim Watts), forthcoming in *Review of Economics and Statistics* 2008.

"What is Middle Class about the Middle Classes around the World?" (with Abhijit Banerjee), *Journal of Economic Perspectives* 22(2), pp. 3-28, 2008. (See also CEPR Working Paper No. 6613, BREAD Working Paper No. 163).

"How High are Rates of Return to Fertilizer? Evidence from Field Experiments in Kenya" (with Michael Kremer and Jonathan Robinson). *American Economics Review*, Vol. 98 (2): 482-88, May 2008.

"Indoor Air Pollution, Health and Economic Well-being" (with Michael Greenstone and Rema Hanna), *Surveys and Perspectives Integrating Environment and Society*, Issue 1: 1-9, February 2008.

"Cooking Stoves, Indoor Air Pollution and Respiratory Health in Rural Orissa, India" (with Rema Hanna and Michael Greenstone), *Economic and Political Weekly*, Vol. 43, No. 32, August 2008.

"Putting Band Aid on a Corpse: Incentives for Nurses in the Indian Public Health Care System" (with Abhijit Banerjee and Rachel Glennerster). *Journal of the European Economic Association*, Vol. 6(2-3), pp. 487-500, 2007.

"The Economic Lives of the Poor" (with Abhijit Banerjee), *Journal of Economic Perspectives*, 21(1): 141-167, Winter 2007.

"Can Informational Campaigns Raise Awareness and Local Participation in Primary Education" (with Abhijit Banerjee, Rukmini Banerji, Rachael Glennerster, Daniel Keniston, Stuti Khemani, and Mark Shotland), *Economic and Political Weekly*, 42(15): 1365-1372, April 14, 2007.

"Dams" (with Rohini Pande), *Quarterly Journal of Economics*, 122(2):601-646, 2007 (see also NBER Working Paper No. 11711, 2005; BREAD Working Paper No. 100, 2005).

"Remedying Education: Evidence from Two Randomized Experiments in India," (with Abhijit Banerjee, Shawn Cole, and Leigh Linden), *Quarterly Journal of Economics*, 122(3):1235-1264, August 2007 (see also NBER Working Paper No. 11904, 2005; BREAD Working Paper No. 109.

"Saving Incentives for Low- and Middle-Income Families: Evidence from a Field Experiment with H&R Block," (2007 Certificate of Excellence, TIAA-CREF Institute),(with William Gale, Jeffrey Liebman, Peter Orszag, and Emmanuel Saez), *Quarterly Journal of Economics*, 121(4):1311-1346, November 2006 (see also NBER Working Paper No. 11680, 2005).

"Addressing Absence," (with Abhijit Banerjee), *Journal of Economic Perspectives* 20(1): 117-132, 2006 (also see BREAD Policy Paper No. 008, 2005).

"Why Political Reservations" *Journal of the European Economic Association* 3(2-3): 668-678, April-May 2005.

"What Do Banks (Not) Do?" (with Abhijit Banerjee), *Economic and Political Weekly* 39(38): 4212-4213, 2004.

"Women as Policy Makers: Evidence from a Randomized Policy Experiment in India," (with Raghabendra Chattopadhyay), *Econometrica* 72(5): 1409-1443, 2004 (also see NBER Working Paper No. 8615; BREAD Working Paper No. 001, 2001).

"The Medium Run Consequences of Educational Expansion: Evidence from a Large School Construction Program in Indonesia," *Journal of Development Economics* 74(1): 163-197, 2004 (also see BREAD Working Paper No. 002, 2001).

"How Much Should We Trust Difference in Differences Estimates?" (with Sendhil Mullainathan and Marianne Bertrand), *Quarterly Journal of Economics* 119(1): 249-275, 2004.

"Health Care Delivery in Rural Rajasthan," (with Abhijit Banerjee and Angus Deaton), *Economic and Political Weekly* 39(9): 944-949, 2004.

"The Impact of Reservation in the Panchayati Raj: Evidence from a Nationwide Randomized Experiment," (with Raghabendra Chattopadhyay), *Economic and Political Weekly* 39(9): 979-986, 2004.

"Wealth, Health, and Health Services in Rural Rajasthan," (with Abhijit Banerjee and Angus Deaton), *AER Papers and Proceedings* 94(2): 326-330, 2004.

"The Role of Information and Social Interactions in Retirement Plan Decisions: Evidence from a Randomized Experiment," (with Emmanuel Saez), *Quarterly Journal of Economics* 118(3): 815-842, 2003.

"Inequality and Growth: What Can the Data Say?" (with Abhijit Banerjee), *Journal of Economic Growth* 8: 267-299, 2003.

"Grandmothers and Granddaughters: Old Age Pension and Intra-household Allocation in South Africa," *World Bank Economic Review* 17(1): 1-25, 2003.

"The (Mis)allocation of Capital," (with Abhijit Banerjee and Kaivan Munshi), *Journal of the European Economic Association* 1(2-3): 484-494, 2003 (also see BREAD Working Paper No. 006, 2002).

"Participation and Investment Decisions in a Retirement Plan: The Influence of Colleagues' Choices," (with Emmanuel Saez), *Journal of Public Economics* 85(1): 121-148, 2002.

"Schooling and Labor Market Consequences of School Construction in Indonesia: Evidence from an Unusual Policy Experiment," *American Economic Review* 91(4): 795-813, 2001.

"Reputation Effects and the Limits of Contracting: A Study of the Indian Software Industry," (with Abhijit Banerjee), *Quarterly Journal of Economics* 115(3): 989-1017, 2000.

"Child Health and Household Resources: Evidence from the South African Old-Age Pension Program," *American Economic Review: Papers and Proceedings* 90(2): 393-398, 2000.

"Early Reaction of Russian Firms to the Shocks of Liberalization," (with Claudia Senik-Leygonie), *The Economics of Transition*, March 1997.

### CHAPTERS IN BOOKS

"Is Decentralized Iron Fortification a Feasible Option to Fight Anemia Among the Poorest?" in <u>Explorations in the Economics of Aging</u>, (with Abhijit Banerjee and Rachel Glennerster), 2011, David A. Wise (ed.), University of Chicago Press.

"Aging and Death Under a Dollar a Day" in <u>Research Findings in the Economics of Aging (with</u> Abhijit Banerjee), 2010, David A. Wise (ed.), University of Chicago Press, forthcoming (also see NBER Working Paper Series 13683).

"Mandated Empowerment. Handing Antipoverty Policy Back to the Poor?" in <u>Reducing the</u> <u>Impact of Poverty on Health and Human Development</u>" (with Abhijit Banerjee), 2008, Annals of New York Academic Scineces Vol.1136, pp.333-341. "Using Randomization in Development Economics Research: A Toolkit" (with Rachel Glennerster, and Michael Kremer) in T. Paul Schults, and John Strauss (eds.) <u>Handbook of Development Economics</u>, Elsevier Science Ltd.: North Holland, 2007 Vol. 4, pp. 3895-62. (see also NBER Technical Working Paper No. 333, December 2006).

"Field Experiments in Development Economics," in Richard Blundell, Whitney Newey, Torsten. Persson, (eds.), <u>Advances in Economics and Econometrics: Theory and Applications, Ninth</u> <u>World Congress</u>, Cambridge University Press: 2006, Vol. 2(42): 322-348 (see also BREAD Policy Paper No. 002, 2005).

"Poor but Rational?" in Abhijt Banerjee, Dilip Mookherjee and Roland Benabou (eds.) <u>Understanding Poverty</u>, New York: Oxford University Press, March 2006, 367-78.

"Use of Randomization in the Evaluation of Development Effectiveness." (with Michael Kremer) in George Pitman, Osvaldo Feinstein and Gregory Ingram (eds.) <u>Evaluating</u> <u>Development Effectiveness</u>. New Brunswick, NJ: Transaction Publishers 2005, pp. 205-232.

"Egalité des sexes et développement" in Christine Otrent, (ed.)"<u>le livre noir de la condition des</u> <u>Femmes</u>", Paris: XO editions, 2006.

"Growth Theory through the Lens of Development Economics," (with Abhijit Banerjee), in Steve Durlauf and Philippe Aghion, (eds.),<u>Handbook of Economic Growth</u>, Elsevier Science Ltd.-North Holland: 2005, Vol. 1A, pp. 473-552.

"Bank Financing in India," (with Abhijit Banerjee and Shawn Cole) in Wanda Tseng and David Cowen, (eds.), <u>India's and China's Recent Experience with Reform and Growth</u>, Palgrave Macmillan: Hampshire, UK, 2005; New York, 2006, pp. 138-157.

"Banking Reform in India," (with Shawn Cole and Esther Duflo) in Suman Bery, Barry Bosworth and Arvind Panagariya, (eds.), <u>India Policy Forum</u>, 1, Brookings Institution Press and The National Council of Applied Economic Research: Washington, DC and New Delhi, 2005, pp. 277-332 (see also BREAD Policy Paper No. 006, 2004).

"The Role of Employers' Plan Features, Information, and Social Interactions on Retirement Savings: Evidence from the Literature and Proposed Experiments," (with Emmanuel Saez), in Olivia Mitchell and Stephen Utkus, (eds.), <u>Pension Design and Structure: New Lessons from</u> <u>Behavioral Finance</u>, University of Pennsylvania Press: Philadelphia, 2004.

"Scaling Up and Evaluation," in Francois Bourguignon and Boris Pleskovic, (eds.), <u>Accelerating</u> <u>Development</u>, World Bank and Oxford University Press: Washington, DC and Oxford, 2004, pp. 342-367.

#### **Published Reviews and Comments:**

(*Comment*) on "Requiescat in Pace? The Consequences of High Priced Funerals in South Africa" in *Explorations in the Economics of Aging*, David A. Wise, editor, University of Chicago Press, 2011.

(*Comment*) on Hanson, Gordon, "Globalization, Labor Income, and Poverty in Mexico", pp 417-452, in *Globalization and Poverty*, Ann Harrison, Editor, University of Chicago Press, 2007.

(*Comment*) Jensen, Robert, "Caste, Culture and the Status of the Well-Being of Widows in India,"*Analyses in the Economics of Aging*, 10:357-373, Edt. David Wise, University of Chicago Press: June 2005.

(*Review*) Fields, Gary, "Distribution and Development: A New Look at the Developing World," *Journal of Economic Literature* 41(3): 937-938, 2003.

(*Review*) Glewwe, Paul, "The Economics of School Quality Investments in Developing Countries: An Empirical Study of Ghana," *Journal of Economic Literature* 39(3): 927-929, 2001.

#### **Working Papers:**

"Up in Smoke: The Influence of Household Behavior on the Long-Run Impact of Improved Cooking Stoves" (with Rema Hanna and Michael Greenstone), April 2012.

"School Governance, Teacher Incentives, and Pupil-Teacher Ratios: Experimental Evidence from Kenyan Primary Schools" (with Pascaline Dupas and Michael Kremer), March 2012.

"On the Road: Access to Transportation Infrastructure and Economic Growth in China" (with Abhijit Banerjee and Nancy Qian), February 2012. (see NBER Working Paper No. 17897, CEPR Discussion Paper No. 8874, BREAD Working Paper No. 325).

"Can Institutions be Reformed from Within? Evidence from a Randomized Experiment with the Rajasthan Police" (with Abhijit Banerjee, Raghabendra Chattopadhyay, Daniel Keniston and Nina Singh), February 2012. (See NBER Working Paper No. 17912, CEPR Discussion Paper No. 8869, BREAD Working Paper No. 324).

"The Diffusion of Microfinance" (with Abhijit Banerjee, Arun G. Chandrasekhar, Matthew O. Jackson), December 2011. (see NBER Working Paper No. 17743; CEPR Discussion Paper No. 8770, BREAD Policy Paper 30).

"Comparative Cost-Effectiveness Analysis to Inform Policy in Developing Countries" (with Iqbal Dhaliwal, Rachel Glennerster and Caitlin Tulloch), August 2011.

"Education, HIV and Early Fertility: Experimental Evidence from Kenya" (with Pascaline Dupas, Michael Kremer), August 2011.

"Impact of Microcredit in Rural Areas of Morocco: Evidence from a Randomized Evaluation" (with Bruno Crepon, Florencia Devoto, William Pariente), March 2011.

"The Miracle of Microfinance? Evidence from a Randomized Evaluation" (with Abhijit Banerjee, Rachel Glennerster and Cynthia Kinnan), June 2010. (see BREAD Working Paper 278).

"Giving Credit Where it is Due" (with Abhijit Banerjee), March 2010 (see CEPR Discussion Paper 7754, BREAD Policy Paper 20).

"Peer Effects, Teacher Incentives, and the Impact of Tracking: Evidence from a Randomized Evaluation in Kenya," (with Pascaline Dupas and Michael Kremer). (see CEPR Discussion Paper 7043, Publication November 2008, revised October 2009).

"The Miracle of Microfinance? Evidence from a Randomized Evaluation" (with Abhijit Banerjee, Rachel Glennerster, and Cynthia Kinnan), May 2009.

"Marry for What?" Caste and Mate Selection in Modern India" (with Abhijit Banerjee, Maitreesh Ghatak, and Jeanne Lafortune). (see NBER Working Paper No.14958, May 2009; BREAD Working Paper No. 227, May 2009; CEPR Discussion Paper No. 7300).

"The Experimental Approach to Development Economics" (with Abhijit Banerjee), November 2008. (see CEPR Discussion Paper 7037, BREAD Working Paper 196)

"Efficiency and Rent Seeking in Local Government," (with Greg Fischer), MIT Mimeo 2007.

"Do Firms Want to Borrow More: Testing Credit Constraints Using a Targeted Lending Program," (with Abhijit Banerjee), Revised and Resubmitted, Review of Economic Studies, (also see BREAD Working Paper No. 005, 2004).

"Education and HIV/AIDS Prevention: Evidence from a Randomized Evaluation in Western Kenya" (with Pascaline Dupas, Michael Kremer, Samuel Sinei), October 2006, World Bank Policy Research Working Paper No. 4024.

"Improving Immunization Coverage in Rural India: A Clustered Randomized Controlled Evaluation of Immunization Campaigns with and without Incentives" (with Abhijit Banerjee, Rachel Glennerster, and Dhruva Kothari). Revision Invited, British Medical Journal.

"The Impact of Education on Fertility and Child Mortality: Do Fathers Really Matter Less Than Mothers?" (with Lucia Breierova), NBER Working Paper No. 10513, 2004.

"Intrahousehold Resource Allocation in Cote d'Ivoire: Social Norms, Separate Accounts, and Consumption Choices," (with Christopher Udry), NBER Working Paper No. 10498, May 2004; BREAD Working Paper No. 016, 2003