

Edward Miguel

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University of California emiguel@berkeley.edu
Berkeley, CA 94720 USA <http://emiguel.econ.berkeley.edu>

current position

University of California, Berkeley, *Department of Economics*.

Oxfam Professor in Environmental and Resource Economics, since 2012

Faculty Director, Center for Effective Global Action (CEGA), since 2007

Faculty Director, Berkeley Initiative for Transparency in the Social Sciences (BITSS), since 2013

Faculty Co-Director, Berkeley Opportunity Lab (O-Lab), since 2016

past employment

University of California, Berkeley, *Department of Economics*.

Professor, 2009-2012

Associate Professor (with tenure), 2005-2009

Assistant Professor, 2000-2005

Stanford University, *Department of Economics*.

Visiting Professor, and Visiting Research Scholar, Stanford Center for International Development/
International Policy Studies, 2007-2008

Princeton University, *Department of Economics*.

Visiting Fellow, Center for Health & Wellbeing/Research Program in Development Studies, 2002-2003

education

Harvard University, *Department of Economics*.

Ph.D. 2000, Dissertation title: "The Political Economy of Education and Health in Kenya"

A.M. 1998, NSF Graduate Fellowship 1996-99

Massachusetts Institute of Technology.

S.B. Economics, S.B. Mathematics 1996, Phi Beta Kappa, Harry S Truman Scholar (1995, NJ)

Tenaflly High School, *Tenaflly NJ*.

Valedictorian 1992

honors, grants and fellowships

Alfred P. Sloan Research Fellow, 2005-07

Alfred P. Sloan Foundation, 2013-16 (PI)

Bill and Melinda Gates Foundation, 2006-2010 (Co-PI)

Good Ventures, 2017-21 (PI)

Google Foundation, 2006-2009 (Co-PI)

Harry Frank Guggenheim Foundation Fellow, 2005-06

Hewlett Foundation.

2015-2018 (PI)

2016-2019 (PI)
International Growth Centre, 2009-2012 (PI)
International Initiative for Impact Evaluation, 2009-2012 (PI)
Jameel Poverty Action Lab.
Governance Initiative, 2012-13 (PI)
Post-Primary Education and Youth Initiatives, 2014-15 (PI)
Jameel Poverty Action Lab / Center for Effective Global Action.
Agricultural Technology Adoption Initiative,
2011-2014 (PI)
2014-2016 (PI)
Kenneth J. Arrow Award 2005, International Health Economics Association
(for “Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities”)
Kiel Institute Excellence Award in Global Economic Affairs, 2010
Laura and John Arnold Foundation / Center for Open Science, 2013-15 (PI)
Laura and John Arnold Foundation, 2015-17 (PI)
Lowenstein Foundation, 2008-2009 (PI)
National Institutes of Health.
R01, 2001-04 (PI)
R01, 2005-11 (PI)
R03, 2010-12 (PI)
R01, 2011-16 (PI)
R21, 2014-16 (PI)
R13, 2016-21 (PI)
National Science Foundation.
Small Grant for Exploratory Research, 2002-04 (PI)
Research Grant 2004-07 (PI)
Research Grant 2010-13 (PI)
Conference Grant 2011-13 (PI)
Conference Grant 2013-14 (PI)
Social Science Research Council, Program in Applied Economics, 2004 (PI)
University of California, Berkeley.
Carol D. Soc Distinguished Graduate Student Mentoring Award, 2015
Chancellor’s Award for Public Service for Research in the Public Interest, 2014
Distinguished Teaching Award (University-wide), 2012
Distinguished Teaching Award (Social Sciences division), 2003-04
Best Graduate Adviser Award, Graduate Economics Association, 2004-05
Hellman Faculty Award, 2002
Center for the Economic Demography of Aging, Small Grants 2001, 2003 (PI)
Center for Health Research Small Grants, 2001, 2002, 2004 (PI)
Committee on Research grants, 2001, 2002, 2004, 2006, 2007 (PI)
Berkeley Population Center Pilot Award, 2008, 2015 (PI)
Giannini Foundation Small grant, 2009, 2013 (PI)

Center for Equitable Growth grants, 2010, 2011, 2012 (PI)
Weiss Family Program Fund for Research in Development Economics.
2015-16 (Co-PI)
2016-17 (Co-PI)

research

Published / forthcoming articles.

1. "Epidemiology of Single and Multiple Species of Helminth Infections among School Children in Busia District, Kenya," S. Brooker, E. Miguel, et al., *East African Medical Journal*, 2000, 77(3), 157-161.
2. "The potential of rapid screening methods for intestinal schistosomiasis in Western Kenya," S. Brooker, E. Miguel, et al., *Annals of Tropical Medicine and Parasitology*, 2001, 95(4), 343-351.
3. "Anaemia in schoolchildren in eight countries in Africa and Asia," A. Hall, T. Miguel, et al., *Public Health Nutrition*, 2001, 4, 749-56.
4. "Comment on: 'Social Capital and Growth' (by B.R. Routledge and J. von Amsberg)", *Journal of Monetary Economics*, 2003, 50, 195-198.
5. "Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities" (co-author Michael Kremer), *Econometrica*, 2004, 72(1), 159-217.
6. "Economic Shocks and Civil Conflict: An Instrumental Variables Approach" (co-authors Shanker Satyanath, Ernest Sergenti), *Journal of Political Economy*, 2004, 112(4), 725-753. [lead article]
7. "Tribe or Nation? Nation-Building and Public Goods in Kenya versus Tanzania", *World Politics*, 2004, 56 (3), 327-362. [lead article]
8. "Poverty and Witch Killing", *Review of Economic Studies*, 2005, 72(4), 1153-1172.
9. "Does Social Capital Promote Industrialization? Evidence from a Rapid Industrializer" (co-authors Paul Gertler, David Levine), *Review of Economics and Statistics*, 2005, 87(4), 754-762.
10. "Ethnic Divisions, Social Sanctions, and Public Goods in Kenya" (co-author Mary Kay Gugerty), *Journal of Public Economics*, 2005, 89(11-12), 2325-2368.
11. "Who are Russia's Entrepreneurs?" (co-authors Simeon Djankov, Yingyi Qian, Gérard Roland, Ekaterina Zhuravskaya), *Journal of the European Economic Association*, 2005, 3(2-3), 587-597.
12. "Does Industrialization Build or Destroy Social Networks?" (co-authors Paul Gertler, David Levine), *Economic Development and Cultural Change*, 2006, 54(2), 287-318.
13. "Poverty and Crime in 19th Century Germany" (co-authors Ragnar Torvik, Halvor Mehlum), *Journal of Urban Economics*, 2006, 59(3), 370-388.

14. "War and Institutions: New Evidence from Sierra Leone" (co-author John Bellows), *American Economic Review (AEA Papers and Proceedings)*, 2006, 96(2), 394-399.
15. "Iron Deficiency Anemia and School Participation" (co-authors Gustavo Bobonis, Charu Sharma), *Journal of Human Resources*, 2006, 41(4), 692-721.
16. "Book Review: 'Market Institutions in Sub-Saharan Africa: Theory and Evidence' by Marcel Fafchamps", *Economic Development and Cultural Change*, 2006, 54(4), 985-987.
17. "The Illusion of Sustainability" (co-author Michael Kremer), *Quarterly Journal of Economics*, 2007, 122(3), 1007-1065. [Reprinted in *Reinventing Foreign Aid*, 2008, (ed.) William Easterly, MIT Press]
18. "Orphans and Schooling in Africa: A Longitudinal Analysis" (co-author David K. Evans), *Demography*, 2007, 44(1), 35-57.
19. "The Electoral Cost of War: Iraq War Casualties and the 2004 U.S. Presidential Election" (co-author David Karol), *Journal of Politics*, 2007, 69(3).633-648.
20. "Corruption, Norms and Legal Enforcement: Evidence from Diplomatic Parking Tickets" (co-author Ray Fisman), *Journal of Political Economy*, 2007, 115(6), 1020-1048.
21. "Ensemble-based Regional Climate Prediction: Political Impacts" (co-authors John Dykema, Shanker Satyanath, J.G. Anderson), *American Geophysical Union Fall Meeting Abstracts*, A699.
22. "Deworming and Development: Asking the Right Questions, Asking the Questions Right" (co-authors, Donald Bundy, Michael Kremer, Hoyt Bleakley, Matthew Jukes), *PLoS Neglected Tropical Diseases*, 2009, 3(1), e362.
23. "Incentives to Learn", (co-authors Michael Kremer, Rebecca Thornton), *Review of Economics and Statistics*, 2009, 91(3), 437-456.
24. "War and Local Collective Action in Sierra Leone" (co-author John Bellows), *Journal of Public Economics*, 2009, 93(11-12), 1144-1157.
25. "Warming increases risk of civil war in Africa" (co-authors Marshall Burke, Shanker Satyanath, John Dykema, David Lobell), *Proceedings of the National Academy of Sciences*, December 8 2009, 106(49), 20670-20674.
26. "How to get safe water: Persuasion, peers, price, promoters, or product?" (co-authors Clair Null, Michael Kremer, Sendhil Mullainathan, Alix Zwane), *American Journal of Tropical Medicine and Hygiene*, 2009, 81 (5), 305-306.
27. "Civil War", (co-author Chris Blattman), *Journal of Economic Literature*, 2010, 48(1), 3-57.

28. "Political Competition and Ethnic Identification in Africa" (co-authors Benn Eifert, Daniel Posner), *American Journal of Political Science*, 2010, 54(1), 494-510. [Reprinted in *Voting and Democratic Citizenship in Africa*, 2013, (ed.) Michael Bratton, Lynne Rienner]
29. "Reply to Sutton et al.: Relationship between temperature and conflict is robust" (co-authors Marshall Burke, Shanker Satyanath, John Dykema, David Lobell), *Proceedings of the National Academy of Sciences*, June 10 2010, 107(25), E103, doi: 10.1073/pnas.1005748107.
30. "Use of the Bristol Stool Chart to Complement Self-reported Diarrhea as an Outcome Measure for WASH Research" (co-authors Clair Null, Michael Kremer, Alix Zwane), *American Journal of Tropical Medicine and Hygiene*, 2010, 83 (5), 108.
31. "Being surveyed can change later behavior and related parameter estimates" (co-authors Alix Peterson Zwane, Jonathan Zinman, Eric Van Dusen, William Pariente, Clair Null, Michael Kremer, Dean Karlan, Richard Hornbeck, Xavier Giné, Esther Duflo, Florencia Devoto, Bruno Crepon, Abhijit Banerjee), *Proceedings of the National Academy of Sciences*, January 18, 2011.
32. "Civil War Exposure and Violence" (co-authors Sebastian Saiegh and Shanker Satyanath), *Economics and Politics*, 2011, 23(1), 59-73.
33. "The Price of Political Opposition: Evidence from Venezuela's *Maisanta*" (co-authors Chang-Tai Hsieh, Daniel Ortega, Francisco Rodriguez), *American Economic Journal: Applied Economics*, 2011, 3(2), 196-214.
34. "Spring Cleaning: Rural Water Impacts, Valuation, and Property Rights Institutions" (co-authors Michael Kremer, Jessica Leino, Alix Zwane), *Quarterly Journal of Economics*, 2011, 126(1), 145-205.
35. "The Long-run Impact of Bombing Vietnam" (co-author Gerard Roland), *Journal of Development Economics*, 2011, 96(1), 1-15. [lead article]
36. "Re-examining Economic Shocks and Civil Conflict" (co-author Shanker Satyanath), *American Economic Journal: Applied Economics*, 2011, 3(4), 228-232.
37. "Government Transfers and Political Support" (co-authors Marco Manacorda, Andrea Vigorito), *American Economic Journal: Applied Economics*, 2011, 3(3), 1-28. [lead article]
38. "Sustainability of Long-term Take-up at Point-of-collection Chlorine Dispensers Provided Free of Charge in Rural Western Kenya" (co-authors, Michael Kremer, Clair Null, Alix Zwane), *Proceedings of the Water Environment Foundation*, Disinfection 2011, pp. 249-250 (2).
39. "Effects of Exceeding Recommended Storage Time of Hypochlorite-Treated Water in Ceramic Pots" (co-authors, Clair Null, Elizabeth Walker, Michael Kremer, Daniele Lantagne), *Proceedings of the Water Environment Foundation*, Disinfection 2011, pp. 251-252 (2).

40. "Incentivizing safe sex: a randomized trial of conditional cash transfers for HIV and sexually transmitted infection prevention in rural Tanzania" (co-authors D. de Walque, W.H. Dow, R. Nathan, R. Abdul, F. Abilahi, E. Gong, Z Isdahl, J. Jamison, B. Jullu, S. Krishnan, A. Majura, J. Moncada, S. Mtenga, M.A. Mwanyangala, L. Packel, J. Schachter, K. Shirima, C.A. Medlin), *BMJ Open*, 2012, 2:e000747 doi:10.1136/bmjopen-2011-000747.
41. "Reshaping Institutions: Evidence on Aid Impacts Using a Pre-Analysis Plan" (co-authors Katherine Casey, Rachel Glennerster), *Quarterly Journal of Economics*, 2012, 127(4), 1755-1812.
42. "Collective Action in Diverse Sierra Leone Communities" (co-authors Rachel Glennerster, Alexander Rothenberg), *Economic Journal*, 2013, 123(568), 285-316.
43. "Quantifying the Influence of Climate on Human Conflict" (co-authors Solomon Hsiang, Marshall Burke), *Science*, 2013, 10.1126/science.1235367.
44. "Economic Shocks and Democratization in Africa" (co-authors Manuel Barron, Shanker Satyanath), *Political Science Research and Methods*, 2013, available on CJO2013. doi:10.1017/psrm.2013.27.
45. "Promoting transparency in social science research" (co-authors Colin Camerer, Katherine Casey, Joshua Cohen, Kevin M. Esterling, Alan Gerber, Rachel Glennerster, Donald P. Green, Macartan Humphreys, Guido Imbens, David Laitin, Temina Madon, Leif Nelson, Brian A. Nosek, Maya Petersen, Richard Sedlmayr, Joseph P. Simmons, Uri Simonsohn, Mark Van der Laan), *Science*, 2014, 10.1126/science.1245317.
46. "Temperature and violence" (co-authors Mark A. Cane, Marshall Burke, Solomon M. Hsiang, David B. Lobell, Kyle C. Meng, Shanker Satyanath), *Nature Climate Change*, 2014, 4, 234-235, 10.1038/nclimate2171.
47. "Reconciling climate-conflict meta-analyses: reply to Buhaug et al" (co-authors Solomon M. Hsiang, Marshall Burke), *Climatic Change*, 2014, DOI 10.1007/s10584-014-1276-z.
48. "You've Earned It: Combining Field and Lab Experiments to Estimate the Impact of Human Capital on Social Preferences" (co-authors Pamela Jakiela, Vera te Velde), *Experimental Economics*, 2014, 10.1007/s10683-014-9409-9.
49. "Incorporating climate uncertainty into estimates of climate change impacts" (co-authors Marshall Burke, John Dykema, David Lobell, Shanker Satyanath), *Review of Economics and Statistics*, 2015, 97(2), 461-471, 10.1162/REST_a_00478.
50. "The Value of Democracy: Evidence from Road Building in Kenya" (co-authors Robin Burgess, Remi Jedwab, Ameet Morjaria, Gerard Padró i Miquel), *American Economic Review*, 2015, 105(6): 1817-1851, 10.1257/aer.20131031.
51. "War and Collective Action in Sierra Leone: A Comment on the Use of Coefficient Stability Approaches" (co-author Felipe Gonzalez), *Journal of Public Economics*, 2015, 128: 30-33, 10.1016/j.jpubeco.2015.05.004.

52. "Promoting an Open Research Culture: Author guidelines for journals could help to promote transparency, openness, and reproducibility" (co-authors B. A. Nosek, G. Alter, G. C. Banks, D. Borsboom, S. D. Bowman, S. J. Breckler, S. Buck, C. D. Chambers, G. Chin, G. Christensen, M. Contestabile, A. Dafoe, E. Eich, J. Freese, R. Glennerster, D. Goroff, D. P. Green, B. Hesse, M. Humphreys, J. Ishiyama, D. Karlan, A. Kraut, A. Lupia, P. Mabry, T. A. Madon, N. Malhotra, E. Mayo-Wilson, M. McNutt, E. Miguel, E. Levy Paluck, U. Simonsohn, C. Soderberg, B. A. Spellman, J. Turitto, G. VandenBos, S. Vazire, E. J. Wagenmakers, R. Wilson, and T. Yarkoni), *Science*, 2015, 26 June 2015 348(6242): 1422-1425, 10.1126/science.aab2374.

53. "When Should Governments Subsidize Health? The Case of Mass Deworming" (co-authors Amrita Ahuja, Sarah Baird, Joan Hamory Hicks, Michael Kremer, Shawn Powers), *World Bank Economic Review*, 2015, 10.1093/wber/lhv008.

54. "War and Deforestation in Sierra Leone" (co-authors Robin Burgess, Charlotte Stanton), *Environmental Research Letters*, 10 (2015) 095014.

55. "Global Non-linear effect of temperature on economic production" (co-authors Marshall Burke, Solomon Hsiang), *Nature*, 2015, 10.1038/nature15725.

56. "Commentary: Deworming externalities and schooling impacts in Kenya: a comment on Aiken et al. (2015) and Davey et al. (2015)" (co-authors Joan Hamory Hicks, Michael Kremer), *International Journal of Epidemiology*, doi: 10.1093/ije/dyv129.

57. "The Case for Mass Treatment of Intestinal Helminths in Endemic Areas" (co-authors Joan Hamory Hicks, Michael Kremer), *PLOS Neglected Tropical Diseases*, 2015, 10.1371/journal.pntd.0004214.

58. "Electrification for 'Under Grid' Households in Rural Kenya" (co-authors Kenneth Lee, Carson Christiano, Eric Brewer, Francis Meyo, Matthew Podolsky, Javier Rosa, Catherine Wolfram), *Development Engineering*, 2015, doi:10.1016/j.deveng.2015.12.001.

59. "Education as Liberation?" (co-authors Willa Friedman, Michael Kremer, Rebecca Thornton), *Economica*, 2016, 83(329): 1-30, 10.1111/ecca.12168.

60. "Do Cash Transfers Improve Birth Outcomes? Evidence from Matched Vital Statistics, Social Security and Program Data" (co-authors Veronica Amarante, Marco Manacorda, Andrea Vigorito), *American Economic Journal: Economic Policy*, 2016, 8(2): 1-43, doi:10.1257/pol.20140344 [lead article].

61. "Appliance Ownership and Aspirations among Electric Grid and Home Solar Households in Rural Kenya" (co-authors Kenneth Lee, Catherine Wolfram), *American Economic Review Papers and Proceedings*, 2016, 106(5): 89-94, doi: 10.1257/aer.p20161097.

62. "Can War Foster Cooperation?" (co-authors Michal Bauer, Chris Blattman, Julie Chytilova, Joe Henrich, Tamar Mitts), *Journal of Economic Perspectives*, 2016, 30(3): 249-274, doi: 10.1257/jep.30.3.249.

63. "Worms at Work: Long-run Impacts of a Child Health Investment" (co-authors Sarah Baird, Joan Hamory Hicks, Michael Kremer), *Quarterly Journal of Economics*, 2016, 131(4): 1637-1680, doi: 10.1093/qje/qjw022.
64. "Risky Transportation Choices and the Value of Statistical Life" (co-author Gianmarco León), *American Economic Journal: Applied Economics*, 2017, 9(1): 202-228, doi: 10.1257/app.20160140.
65. "Commentary: Assessing long-run deworming impacts on education and economic outcomes: a comment on Jullien, Sinclair and Garner (2016)" (co-authors Sarah Baird, Joan Hamory Hicks, Michael Kremer), *International Journal of Epidemiology*, 2017, doi: 10.1093/ije/dyw350.
66. "Should the WHO Withdraw Support for Mass Deworming?" (co-authors Kevin Croke, Joan Hamory Hicks, Eric Hsu, Michael Kremer), *PLOS Neglected Tropical Diseases*, 2017, doi: 10.1371/journal.pntd.0005481.
67. "Spillover effects on health outcomes in low- and middle-income countries: A systematic review" (co-authors Jade Benjamin-Chung, Benjamin F. Arnold, David Berger, Stephen P. Luby, John M. Colford Jr., Alan E. Hubbard), *International Journal of Epidemiology*, 2017, doi: 10.1093/ije/dyx039.
68. "Transparency, Reproducibility and the Credibility of Empirical Economics Research" (co-author Garret Christensen), forthcoming *Journal of Economic Literature*, 2017.

Books.

1. *Economic Gangsters: Corruption, Violence, and the Poverty of Nations* (co-author Ray Fisman), Princeton University Press (October 2008).
2. *Africa's Turn?* MIT Press (April 2009).

Chapters and Reviews.

1. "Health, Education, and Economic Development", in *Health and Economic Growth: Findings and Policy Implications*, (eds.) G. López-Casasnovas, B. Rivera and L. Currais, 2005, MIT Press.
2. "Ethnic Diversity and Poverty Reduction (Chapter 12)", in *Understanding Poverty*, (eds.) Abhijit Banerjee, Roland Benabou, and Dilip Mookherjee, 2006, Oxford University Press.
3. "Poverty and Violence: An Overview of Recent Research and Implications for Foreign Aid", in *Too Poor for Peace? Global Poverty, Conflict and Security in the 21st Century*, (eds.) Lael Brainard and Derek Chollet, Brookings Institution Press, 2007.
4. "Methodologies to Evaluate Early Childhood Development Programs" (co-authors Jere Behrman, Paul Glewwe), *World Bank Doing Impact Evaluation No. 9*, 2007.
5. "The Impact of Child Health and Nutrition on Education in Less Developed Countries" (co-author Paul Glewwe), *Handbook of Development Economics Volume 4*, (eds.) T. Paul Schultz and John Strauss, Elsevier, 2008.

6. "Deciphering the demand for safe drinking water in low-income countries" (co-authors Michael Kremer, Clair Null, Alix Zwane), in *Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy*, (eds.) Ian W.H. Parry and Felicia Day, Resources for the Future Press, 2010.
7. "Willingness to pay for cleaner water in less developed countries: systematic review of experimental evidence" (co-authors Clair Null, Michael Kremer, Jorge Garcia Hombrados, Robyn Meeks, Alix Zwane), *3ie Systematic Review 006*.
8. "Climate and conflict" (co-authors Solomon Hsiang, Marshall Burke), *Annual Review of Economics*, 2015.
9. "Estimating spillover effects in a causal inference framework: a systematic review and methods synthesis" (co-authors Jade Benjamin-Chung, Benjamin F Arnold, David Berger, Ashley Clark, Lauren Falcao, Veronica Jimenez, Diana Tran, Eugene Konagaya, Alan Hubbard, Stephen P Luby, John M Colford, Jr), *3ie Systematic Review*, 2015.
10. "Healing the Wounds: Learning from Sierra Leone's Post-war Institutional Reforms" (co-authors Katherine Casey, Rachel Glennerster), in *African Successes, Volume I: Government and Institutions*, (eds.) S. Edwards, S. Johnson, and D. Weil. University of Chicago Press, 2016.
11. "Impacts and Determinants of Health Levels in Low-Income Countries" (co-author Pascaline Dupas), *Handbook of Field Experiments, Volume 2*, (eds.) E. Duflo and A. Banerjee, Elsevier, 2017.

Unpublished working papers.

1. "Experimental Evidence on the Demand for and Costs of Rural Electrification" (co-authors Kenneth Lee, Catherine Wolfram)
2. "How strong are ethnic preferences?" (co-authors Lars Ivar Oppedal Berge, Kjetil Bjorvatn, Simon Galle, Edward Miguel, Daniel Posner, Bertil Tungodden, Kelly Zhang)
3. "Reevaluating Agricultural Productivity Gaps Using Longitudinal Microdata" (co-authors Joan Hamory Hicks, Marieke Kleemans, Nicholas Li)
4. "Self-control and Demand for Preventive Health: Evidence from Hypertension in India" (co-authors Liang Bai, Benjamin Handel, Gautam Rao)
5. "Does Mass Deworming Affect Child Nutrition? Meta-analysis, Cost-Effectiveness, and Statistical Power" (co-authors Kevin Croke, Joan Hamory Hicks, Eric Hsu, Michael Kremer)
6. "Economic and non-economic factors in violence: Evidence from organized crime, suicides and climate in Mexico" (co-authors Ceren Baysan, Marshall Burke, Felipe Gonzalez, Solomon M. Hsiang)

7. "Analysis of statistical power reconciles drought-conflict results in Africa" (co-authors Solomon M. Hsiang, Marshall Burke, Kyle C. Meng, Mark A. Cane)
8. "Long-term take-up of point-of-collection chlorination for water treatment: Results from a cluster randomized controlled trial in Kenya" (co-authors Clair Null, Alix Zwane, Amrita Ahuja, Jeff Berens, Jessica Vernon, Michael Kremer).

Terminal working papers.

1. "Tracking, Attrition and Data Quality in the Kenyan Life Panel Survey Round 1 (KLPS-1)" (co-authors Sarah Baird, Joan Hamory Hicks), University of California CIDER Working Paper #C08-151, 2008.
2. "Reconciling Temperature-Conflict Results in Kenya" (co-authors Solomon Hsiang, Marshall Burke), University of California CECA Working Paper #32, 2013.
3. "Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities, Guide to Replication of Miguel and Kremer (2004)" (co-author Michael Kremer), University of California CECA Working Paper #39, 2014.
4. "Worms: Identifying Impacts on Education and Health in the Presence of Treatment Externalities, Data User's Guide" (co-authors Michael Kremer, Joan Hamory Hicks, Carolyne Nekesa), University of California CECA Working Paper #40, 2014.
5. "Comment on Macartan Humphreys' and Other Recent Discussion of the Miguel and Kremer (2004) Study" (co-authors Michael Kremer, Joan Hamory Hicks), University of California CECA Working Paper #54, 2015.

Writing published in popular media (selected).

1. "Cash Talks", *Forbes*, November 24, 2003.
2. "Incentives to Learn: Merit Scholarships that Pay Kids to Do Well" (co-authors Michael Kremer, Rebecca Thornton), *Education Next*, 4(2), 2005.
3. "Stop Conflict Before it Starts", *Bloomberg Businessweek*, September 2006.
4. "Bombing Vietnam: The phoenix rises" (co-author Gerard Roland), *Milken Institute Review*, 2006, 8(4), 18.
5. "Corruption and Culture" (co-author Ray Fisman), *National Post (Canada)*, December 2006.
6. "Is it Africa's Turn?", *Boston Review*, 33(3), May/June 2008.
7. "Water Technologies", *Boston Review*, September 2008.
8. "How to Prevent War and Famine" (co-author Ray Fisman), *Forbes*, October 15, 2008.
9. "How Economics can Defeat Corruption" (co-author Ray Fisman), *Foreign Policy*, September/Oct. 2008.
10. "Do Conflicts Cause Poverty, or Vice Versa" (co-author Ray Fisman), *Vox*, November 29, 2008.
11. NPR *Marketplace* commentaries (multiple, 2008-2009)
12. "Democracy in Dangerous Places: Comment on Collier", *Boston Review*, 34(4), July/August 2009.
13. "Economic shocks, weather, and civil war", *NBER Reporter Online*, 2011, Issue 3, pp. 8-10.
14. "Africa Unleashed: Explaining the Secret of a Belated Boom", *Foreign Affairs*, November/December 2011.

15. "Weather and Violence" (co-authors Marshall Burke, Solomon Hsiang), *New York Times*, August 30, 2013.
16. "The Scientific Case for Deworming Children" (co-author Michael Kremer), *Thomson Reuters*, July 29, 2015.
17. "Despite \$7 Billion to Power Africa, Why the Continent is Still in the Dark" (co-authors Kenneth Lee, Francis Meyo, Catherine Wolfram), *Reuters*, July 30, 2015.
18. "Measuring ethnic preferences: New experimental evidence" (co-authors Lars Ivar Oppedal Berge, Kjetil Bjorvatn, Simon Galle, Daniel Posner, Bertil Tungodden, Kelly Zhang), *VoxEU*, February 11, 2016.
19. "The legacy of war on social and political behaviour" (co-authors Michael Bauer, Christopher Blattman, Julie Chytilova, Joseph Henrich, Tamar Mitts), *VoxEU*, July 2, 2016.

Research data and materials.

Available on Harvard Dataverse: <https://dataverse.harvard.edu/dataverse/emiguel>

teaching and advising

Courses.

Undergraduate: Issues in African Economic Development; Global Poverty and Impact Evaluation

Graduate: Development Economics; Political Economics; Research Transparency Methods

Online: Transparent and Open Social Science Research

Ph.D. Dissertation Committees, with initial placement.

Service on 95 committees since 2000

2017.

Lauren Falcao Bergquist (Chair), Ph.D. Economics [*University of Michigan*]

Fiona Wilkes Burlig, Ph.D. Agricultural and Resource Economics [*University of Chicago*]

Felipe Gonzalez (Chair), Ph.D. Economics [*PUC-Chile*]

Sylvan Herskovitz, Ph.D. Agricultural and Resource Economics [*IFPRI*]

Fernando Hoces, Ph.D. Public Policy RAND

2016.

Pierre Bachas (Co-Chair), Ph.D. Economics [*World Bank Development Economics Research Group*]

Miguel de Figueiredo, Ph.D. Political Science [*University of Connecticut*]

Simon Galle (Co-Chair), Ph.D. Economics [*BI Norwegian Business School*]

Kenneth Lee (Co-Chair), Ph.D. Agricultural and Resource Economics [*Energy and Economic Growth Initiative*]

Emmanuel Letouzé, Ph.D. Demography [*MIT Media Lab*]

Arman Rezaee, Ph.D. Economics University of California, San Diego [*University of California, Davis*]

2015.

Abel Brodeur, Ph.D. Paris School of Economics [*University of Ottawa*]

Lilia Chaidez, Ph.D. Agricultural and Resource Economics [*U.S. Government Accountability Office*]

Andrew Crane-Droesch, Ph.D. Energy and Resources Group [*Georgetown University*]

Yiwen Eva Cheng, Ph.D. Economics [*Amazon*]
Tarek Ghani, Ph.D. Haas School of Business [*Washington University*]
Tadeja Gracner, Ph.D. Economics [*RAND*]
Marieke Kleemans, Ph.D. Agricultural and Resource Economics [*University of Illinois Urbana-Champaign*]
Stanislao Maldonado, Ph.D. Agricultural and Resource Economics [*Universidad del Rosario*]
Jamie McCasland, Ph.D. Economics (Chair) [*University of British Columbia*]
Sara A. Newman, Ph.D. Political Science [*Harvard University Kennedy School of Government*]
Luz Maria Sinaia Urrusti Frenk, Ph.D. Economics [*Colegio de Mexico*]

2014.

Liang Bai, Ph.D. Economics (Chair) [*University of Edinburgh*]
Manuel Barron, Ph.D. Agricultural and Resource Economics [*IFPRI*]
Marshall Burke, Ph.D. Agricultural and Resource Economics (Co-Chair) [*Stanford University*]
Kyle Emerick, Ph.D. Agricultural and Resource Economics [*Tufts University*]
Emiliano Huet-Vaughn, Ph.D. Economics [*Middlebury College*]
Gautam Rao, Ph.D. Economics (Co-Chair) [*Harvard University*]
Sebastian Stumpner, Ph.D. Economics [*University of Montreal*]

2013.

Miguel Almunia, Ph.D. Economics [*University of Warwick*]
Willa Friedman, Ph.D. Economics (Chair) [*University of Houston*]
Francois Gerard, Ph.D. Economics (Co-Chair) [*Columbia University*]
Hideyuki Nakagawa, Ph.D. Agricultural and Resource Economics
Chantal Toledo, Ph.D. Agricultural and Resource Economics [*Berkeley Environmental Biosciences Institute*]

2012.

Mark Rosenberg, Ph.D. Political Science [*Eurasia Group*]
Joshua Blumenstock, Ph.D. School of Information [*University of Washington*]
Jing Cai, Ph.D. Agricultural and Resource Economics [*University of Michigan*]
Jonas Hjort, Ph.D. Economics (Chair) [*Columbia University*]
Mauricio Larrain, Ph.D. Economics [*Columbia University*]
Gianmarco Leon, Ph.D. Agricultural and Resource Economics [*Pompeu Fabra*]
Alexander Rothenberg, Ph.D. Economics [*RAND*]
Changcheng Song, Ph.D. Economics (Co-Chair) [*National University of Singapore*]

2011.

Kehinde Ajayi, Ph.D. Economics [*Boston University*]
Katherine Whiteside Casey, Ph.D. Economics Brown University [*Stanford University*]
Garret Christensen, Ph.D. Economics (Chair) [*Innovations for Poverty Action Kenya*]
Benjamin Crost, Ph.D. Agricultural and Resource Economics [*University of Colorado, Denver*]
Erick Gong, Ph.D. Agricultural and Resource Economics [*Middlebury College*]

Solomon Hsiang, Ph.D. Sustainable Development Columbia University [*Princeton University*]
Nicholas Li, Ph.D. Economics [*University of Toronto*]
Rachel Polimeni, Ph.D. Economics (Chair)
Sarath Sanga, Ph.D. Economics (Chair) [*Yale Law School J.D.*]
Abdoulaye Sy, Ph.D. Economics [*World Bank Young Professionals Program*]
Eva Vivalt, Ph.D. Economics (Chair) [*World Bank Young Professionals Program*]
Jane Yiqin Zhang, Ph.D. Economics (Co-chair) [*Hong Kong University of Science and Technology*]

2010.

Daniel Egel, Ph.D. Economics [*RAND*]
Benjamin Eifert, Ph.D. Economics (Chair) [*Overland Advisors*]
Negar Ghobadi, Ph.D. Agricultural and Resource Economics
John McCauley, Ph.D. Political Science UCLA [*University of Maryland*]
Owen Ozier, Ph.D. Economics (Chair) [*World Bank Development Economics Research Group*]
Alvaro Ramos, Ph.D. Economics (Chair) [*INCAE Business School, Costa Rica*]

2009.

Eva Arceo, Ph.D. Economics [*Colegio de Mexico*]
John Bellows, Ph.D. Economics (Chair) [*U.S. Treasury Department*]
Mame-Fatou Diagne, Ph.D. Economics (Chair) [*World Bank Young Professionals Program*]
Adriana Espinosa, Ph.D. Economics [*Syncsort, Inc.*]
Joan Hamory Hicks, Ph.D. Economics (Chair) [*U.C. Berkeley CEGA*]
Daniel Hicks, Ph.D. Economics [*University of Oklahoma*]
Clair Null, Ph.D. Agricultural and Resource Economics [*Emory University*]
Paulina Oliva, Ph.D. Economics [*University of California, Santa Barbara*]
Brian Scholl, Ph.D. Economics [*USAID*]

2008.

Jenny Aker, Ph.D. Agricultural and Resource Economics [*Tufts University*]
Eric Chaney, Ph.D. Economics [*Harvard University*]
Emily Conover, Ph.D. Economics [*Hamilton College*]
Pamela Jakiela, Ph.D. Economics (Co-Chair) [*Washington University*]
Melissa Knox, Ph.D. Economics (Chair) [*University of Washington*]
Anne LeBrun, Ph.D. Economics [*Wellesley College*]
Jessica Leino, Ph.D. Economics (Chair) [*World Bank Young Professionals Program*]
Suresh Naidu, Ph.D. Economics [*Columbia University*]
Sharad Tandon, Ph.D. Economics [*U.S. Department of Agriculture*]

2007.

Emma Aisbett, Ph.D. Agricultural and Resource Economics [*Australian National University*]
Raj Arunachalam, Ph.D. Economics (Co-Chair) [*University of Michigan*]
Sarah Baird, Ph.D. Agricultural and Resource Economics [*UCSD*]

Christopher Blattman, Ph.D. Economics (Chair) [*Yale University*]

Vikram Pathania, Ph.D. Economics (Co-Chair) [*World Bank*]

Harold Toro Tulla, Ph.D. Sociology [*Harvard University*]

Ethan Yeh, Ph.D. Economics [*McKinsey and Company*]

2006.

Tina Green, Ph.D. Economics (Chair) [*Cornerstone Research*]

Manisha Shah, Ph.D. Agricultural and Resource Economics [*University of Melbourne*]

Ruth Uwaifo, Ph.D. Agricultural and Resource Economics [*Georgia Tech*]

2005.

Gustavo Bobonis, Ph.D. Economics (Chair) [*University of Toronto*]

Sebastian Martinez, Ph.D. Economics (Co-Chair) [*World Bank Young Professionals Program*]

2004.

Jose Signoret, Ph.D. Economics (Co-Chair) [*U.S. International Trade Commission*]

Charles Udomsaph, Ph.D. Economics [*World Bank*]

Piedad Urdinola, Ph.D. Demography [*Fedesarrollo, Colombia*]

2003.

Karen Macours, Ph.D. Agricultural and Resource Economics [*Johns Hopkins University*]

Caridad Araujo, Ph.D. Agricultural and Resource Economics [*World Bank*]

professional affiliations and activities

University of California, Berkeley.

Faculty Director, [Center for Effective Global Action \(CEGA\)](#), since 2007

CEGA is an interdisciplinary, multi-campus research center based at U.C. Berkeley that employs innovative data, methods and technology to address pressing international development problems.

Faculty Director, [Berkeley Initiative for Transparency in the Social Sciences \(BITSS\)](#), since 2013

Faculty Co-Director, [Berkeley Opportunity Lab \(O-Lab\)](#), since 2016

Affiliated Faculty, [Department of Agricultural and Resource Economics](#), since 2006

Member, [University of California Giannini Foundation of Agricultural Economics](#), since 2008

Chair, [Fundraising and Alumni Relations, Department of Economics](#), since 2015

Member, [Committee on Teaching](#), 2012-2015

Member, [Committee on Demonstrations and Student Actions](#), 2017-2018

Director of Innovation Incentives, [Development Impact Lab \(DIL\)](#), since 2013

Member, [Scientific Committee, Economic Development and Institutions \(EDI\) Program](#), since 2016

Member, [Personnel Committee, Department of Economics](#), 2010-2012

Faculty Executive Committee, [U.C. Berkeley/UCSF Site, Robert Wood Johnson Foundation Scholars in Health Policy Research Program](#), 2009-2012

Director, [Graduate Admissions, Department of Economics](#), 2006-2007, 2009-2010

Senior Fellow, [Berkeley Institute for Data Science \(BIDS\)](#), since 2015

Journals.

Journal of Development Economics, Associate Editor, since 2004

American Economic Journal: Applied Economics, Member Board of Editors, 2007-2016

Quarterly Journal of Economics, Associate Editor, 2008-2014

Review of Economics and Statistics, Associate Editor, 2007-2012

Journal of Human Resources, Co-Editor, 2005-2008

American Economic Review, Excellence in Refereeing Award 2009, 2013

Referee Service.

American Economic Journal: Applied Economics, *American Economic Journal: Public Policy*, *American Economic Review*, *American Journal of Political Science*, *American Political Science Review*, *Climatic Change*, *Demography*, *Econometrica*, *Economic Development and Cultural Change*, *Economic Journal*, *European Economic Review*, *Explorations in Economic History*, *International Economic Review*, *International Journal of Epidemiology*, *Journal of African Economies*, *Journal of Conflict Resolution*, *Journal of Development Economics*, *Journal of Development Effectiveness*, *Journal of Economic Literature*, *Journal of the European Economic Association*, *Journal of Health Economics*, *Journal of Health Politics Policy and Law*, *Journal of Health Population and Nutrition*, *Journal of International Economics*, *Journal of Monetary Economics*, *Journal of Politics*, *Journal of Peace Research*, *Journal of Political Economy*, *Journal of Public Economics*, *U.S. National Institutes of Health*, *U.S. National Science Foundation*, *Proceedings of the National Academy of Sciences (U.S.)*, *Quarterly Journal of Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Science*, *World Bank Economic Review*, *World Politics*, among others.

Professional Organizations.

National Bureau of Economic Research (NBER)

Research Associate, since 2009

Faculty Research Fellow, 2002-2009

Bureau of Research in the Economic Analysis of Development (BREAD)

Board Member, since 2012

Senior Fellow, 2005-2012

Junior Fellow, 2002-05

Program Committee 2006, 2010, 2012, 2014

Working Group in African Political Economy (WGAPE): Co-Organizer, since 2002

MIT Jameel Poverty Action Lab (J-PAL): Research Affiliate, since 2003

Pacific Development Conference (Pac-Dev): Organizing Committee Member, 2004-2014

Center for Global Development (CGD): Advisory Group Member, since 2010

Centre for Economic Policy Research (CEPR): Research Fellow, since 2006

International Growth Centre (IGC): Research Network Member, since 2009

Busara Center for Behavioral Economics: Scientific Advisory Board Member, since 2015

Stanford Institute for Theoretical Economics (SITE): Co-Organizer for 2008 Summer Workshop

American Economic Association (AEA): Member, Program Committee for 2011 Annual Meeting

Econometric Society: Member, Program Committee for 2015 World Congress

Annual World Bank Conference on Africa (ABCA): Member, Program Committee for 2015 Meeting

Annual World Bank Conference on Africa (ABCA): Member, Program Committee for 2017 Meeting

Economic Development and Institutions (EDI) Program: Chair of Selection Committee for Research Area 3, 2017 Funding Round

invited lectures and keynotes

Annual World Bank Conference on Africa (ABCA), Keynote Lecture, June 2017,
"Understanding the Agricultural Productivity Gap"

Novafrica Annual Conference, Lisbon Portugal, Keynote Lecture, July 2016,
"Prospects for Rural Electrification in Africa"

Symposium on Economic Experiments in Development Countries (SEEDEC), Nairobi, Kenya, Keynote Lecture, July 2016, *"Can War Foster Cooperation?"*

George Washington University, Conference on the Economics and Political Economy of Africa, Keynote Lecture, April 2016, *"Prospects for Rural Electrification in Africa"*

University of Zurich UBS Center, Forum for Economic Dialogue Lecture, November 2015,
"Conflict, Climate + Development in Africa"

World Bank Development Economics Vice Presidency (DEC) Lecture, September 2015,
"Global Non-Linear of Effect of Temperature on Economic Production"

Annual World Bank Conference on Africa (ABCA), Keynote Lecture, June 2015,
"Conflict and Development in Africa"

International Agricultural Trade Research Consortium, Keynote Lecture, December 2014,
"Climate, conflict, trade and development"

Association for Computing Machinery, Annual Symposium on Computing for Development (ACM-DEV), Keynote Lecture, December 2014, *"From Innovation to Impact in Development"*

Masters in Development Practice Program at U.C. Berkeley, Special Lecture, November 2014,
"The Accidental Economist: Reflections on Two Decades of Development in Africa"

Working Group in African Political Economy at UCLA, Keynote Speech, May 2014,
"Promoting Transparency in Social Science Research"

TEDxBerkeley, February 2014, *"Climate, conflict and African development"*

World Bank Africa Region Impact Evaluation Conference on Education in Dakar, Senegal, Keynote Address, October 2013, *"African Youth, Education and Economic Development"*

DVB Executive Symposium, Keynote Speech, September 2013, *"Is it Africa's Turn?"*

University of California, Berkeley, International and Area Studies, Commencement Speaker, May 2013

Harvard University, Department of Economics, Seymour E. and Ruth B. Harris Lecture, April 2013,
"Conflict, Climate and African Development"

Oxford University, Center for the Study of African Economies Conference, Keynote Speech, March 2013,
"Conflict, Climate and African Development"

Pacific Development Conference (at San Francisco State University), Plenary Speaker, March 2013,
"Conflict, Climate and African Development"

University of California, Berkeley, Homecoming Lecture, October 2012, *"Is it Africa's Turn?"*

Econometric Society, North American Meeting (at Washington University), Development Economics
Semi-Plenary Session, June 2011,
"Reshaping Institutions: Evidence on External Aid and Local Collective Action"

Econometric Society, North American Meeting (at Boston University), Development Economics Semi-
Plenary Session, June 2009, *"Civil War and Economic Development"*

Pacific Development Conference (at University of California, Davis), Plenary Speaker, March 2007,
"Randomized Evaluations in Development Economics"

invited seminars and conference presentations (since 2012)

2017 (to date).

BITSS Summer Institute (U.C. Berkeley), Annual World Bank Conference on Africa (ABCA), U.C. Berkeley
(Development Impact Lab Meeting), UCSD, CEGA Evidence to Action Symposium, Notre Dame, USC, IMF,
ASSA Conference (Chicago)

2016.

BITSS Annual Meeting (U.C. Berkeley), Northwestern University, U.C. Berkeley (Development Economics
Seminar), University of Illinois Urbana-Champaign, Millennium Challenge Corporation (Washington DC),
Berkeley Center for African Studies Colloquium, Novafrica Annual Conference, Symposium on Economic
Experiments in Developing Countries (SEEDEC), BITSS Summer Institute (U.C. Berkeley), Berkeley
Opportunity Lab Data Forum, University of California Riverside, RAND, Stanford METRICS Forum, CEGA
Evidence to Action Symposium, George Washington University, Stanford (Public and Environmental
Economics Seminar), Berkeley Institute for Data Science (BIDS), USC, Pacific Development Conference
(at Stanford), Harvard/MIT Development Economics Seminar, University of Wisconsin Madison (Center
for Demography and Ecology Seminar), NBER Growth and Fluctuations Meeting, Economic Development
and Institutions Conference (Namur, Belgium), Replication and Transparency in Economic Research
Workshop (Mozilla SF), ASSA Conference (San Francisco)

2015.

BITSS Annual Meeting (U.C. Berkeley), UBS Zurich Forum for Economic Dialogue, Stanford GSB,
Duke/RTI/NC State Environmental Economics seminar, U.C. Berkeley (Law School), World Bank,
Agricultural Technology Adoption Initiative Conference (in Nairobi), East African Social Science Training

Collaborative Annual Meeting (Nairobi), BITSS Summer Institute (U.C. Berkeley), [Annual World Bank Conference on Africa \(ABCA\)](#), [CEGA Evidence to Action Symposium](#), Stockholm University, Stockholm School of Economics, University of Toronto, Stanford University, ASSA Conference (Boston)

2014.

American Geophysical Union Annual Meeting, [BITSS Annual Meeting \(U.C. Berkeley\)](#), IATRC Annual Meeting, ACM-DEV Annual Symposium, Cornerstone Research, University of Chicago, Bay Area Global Health Seminar, U.C. Merced, Yale, African Population and Health Research Center (Nairobi, Kenya), BITSS Summer Institute (U.C. Berkeley), University of Washington, WGAPE (UCLA), U.C. Berkeley (Economics Departmental Seminar, MDP Special Lecture Series), New York University (Development Research Institute), Columbia University, Reed College, ASSA Conference (Philadelphia)

2013.

BITSS Annual Meeting (U.C. Berkeley), MIT Jameel Poverty Action Lab, World Bank Africa Region Education Conference (Dakar, Senegal), African Population and Health Research Center (Nairobi, Kenya), West Coast Experiments Conference (Stanford), [CEGA Evidence to Action Symposium](#), Harvard University, [Center for the Study of African Economies Conference \(Oxford\)](#), Pacific Development Conference (San Francisco State University), U.C. Berkeley (Demography Workshop, Goldman School of Public Policy, [Institute for the Study of Societal Issues](#)), Mathematica (Oakland), University of Washington (IHME), ASSA Conference (San Diego)

2012.

CalTech, Symposium on Economic Experiments in Developing Countries (SEEDEC), Stanford Political Science, USC, Harvard University, Makerere University (Kampala, Uganda), Stanford Institute for Theoretical Economics, Working Group in African Political Economy (meeting at Berkeley), Stanford Public Goods Conference, West Coast Experiments Conference (Berkeley), [Stanford Global Crossroads Conference](#), [CEGA Evidence to Action Symposium](#), NYU, Stanford GSB, Pacific Development Conference (UC Davis), University of British Columbia, Skoll Foundation, ASSA Conference (Chicago)

personal

U.S. citizen, married.