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Education

Ph.D., Economics, **Harvard University**, 2003.
B.A., Economics, **Harvard University**, 1995. *Magna Cum Laude* and *Phi Beta Kappa*.

Current Position

University of Michigan Associate Professor
Gerald R. Ford School of Public Policy and Department of Economics

Previous Positions

University of Michigan Assistant Professor
2003 - 2009 Gerald R. Ford School of Public Policy and Department of Economics

Princeton University Visiting Assistant Professor and Visiting Research Scholar
2006 - 2007 Woodrow Wilson School of Public and International Affairs

Bain and Company Senior Associate Consultant
1995 - 1998 Boston, Singapore and Hong Kong offices

Journal Editorships and Other Affiliations

Associate Editor *Economic Development and Cultural Change*
Affiliate Bureau for Research and Economic Analysis of Development (BREAD)

Faculty Research Fellow National Bureau of Economic Research (NBER)
Affiliate Population Studies Center, University of Michigan
Affiliate Innovations for Poverty Action (IPA)
Affiliate Abdul Lateef Jameel Poverty Action Lab, MIT (J-PAL)
Research Fellow Institute for the Study of Labor (IZA)
Research Fellow Centre for Research and Analysis of Migration, UCL (CReAM)

Publications

“Exporting and Firm Performance: Chinese Exporters and the Asian Financial Crisis,” *Review of Economics and Statistics*, forthcoming. (with Albert Park, Xinzheng Shi, and Yuan Jiang)

“Under the Weather: Health, Schooling, and Economic Consequences of Early-Life Rainfall,” *American Economic Review*, Vol. 99, No. 3, June 2009, pp. 1006-1026. (with Sharon Maccini)

- Awarded Best Article on the Economics of Food Safety or Nutrition, Food Safety and Nutrition Section, Agricultural and Applied Economics Association (AAEA)
- Featured in the “9th Annual Year in Ideas,” *New York Times Magazine*, December 13, 2009

“Insurance, Credit, and Technology Adoption: Field Experimental Evidence from Malawi,” *Journal of Development Economics*, Vol. 89, 2009, pp 1-11. (with Xavier Gine)

“Coping with Disaster: The Impact of Hurricanes on International Financial Flows, 1970-2002,” *B.E. Journal of Economic Analysis and Policy*: Vol. 8, No. 1 (Advances), Article 13, 2008.

“International Migration, Remittances, and Household Investment: Evidence from Philippine Migrants’ Exchange Rate Shocks,” *Economic Journal*, Vol. 118, April 2008, pp. 591-630.

“Can Enforcement Backfire? Crime Displacement in the Context of Customs Reform in the Philippines,” *Review of Economics and Statistics*, Vol. 90, No. 1, February 2008, pp. 1-14.

“Integrity for Hire: An Analysis of a Widespread Customs Reform,” *Journal of Law and Economics*, Vol. 51, No. 1, February 2008, pp. 25-57.

- Reprinted in Jean-Christophe Maur and John S. Wilson, eds., *Trade Costs and Facilitation: The Development Dimension*, Edward Elgar, forthcoming.

“Are Remittances Insurance? Evidence from Rainfall Shocks in the Philippines,” *World Bank Economic Review*, Vol. 21, No. 2, May 2007, pp. 219-248. (with HwaJung Choi)

“Why Do Migrants Return to Poor Countries? Evidence from Philippine Migrants’ Responses to Exchange Rate Shocks,” *Review of Economics and Statistics*, Vol. 88, No. 4, November 2006, pp. 715-735.

Chapters in Edited Volumes

“Competing for Jobs or Creating Jobs? The Impact of Immigration on Native-Born Unemployment in Venezuela, 1980-2003,” in Francisco Rodriguez and Ricardo Hausmann, eds., *Venezuela: Anatomy of a Collapse*, Pennsylvania State University Press, forthcoming. (with Dan Levy)

“Risk, Migration, and Rural Financial Markets: Evidence from Earthquakes in El Salvador,” *Social Research*, Vol. 75, No. 3, Fall 2008.

“The Economics of Anti-Corruption: Lessons from a Widespread Customs Reform,” in Susan Rose-Ackerman, ed., *International Handbook of the Economics of Corruption*, Edward Elgar Publishing, 2006.

“Remittances and Poverty in Migrants’ Home Areas: Evidence from the Philippines,” in Caglar Ozden and Maurice Schiff, eds., *International Migration, Remittances, and the Brain Drain*, World Bank, 2005. (with Claudia Martinez A.)

Working Papers

“Remittances and the Problem of Control: A Field Experiment Among Migrants from El Salvador,” with Nava Ashraf, Diego Aycinena, and Claudia Martinez A.

“The Impact of Remittance Fees on Remittance Flows: Evidence from a Field Experiment Among Salvadoran Migrants,” with Diego Aycinena and Claudia Martinez A.

“Identification Strategy: Field Experimental Evidence on Borrower Responses to Fingerprinting for Loan Enforcement,” with Xavier Gine and Jessica Goldberg

“The Impact of Mexican Immigration on U.S. Natives: Evidence from Migrant Flows Driven by Rainfall Shocks,” with Todd Pugatch

“Hurricanes and Mortality in Mexico” with Todd Pugatch

Work in Progress

“Reducing Barriers to Savings in Rural Malawi: A Field Experimental Approach,” with Xavier Gine and Jessica Goldberg

“The Costs of Isolation: A Transportation Experiment in Rural Malawi,” with Jessica Goldberg, Annika Mueller, and Rebecca Thornton

“Financial and Informational Barriers to Migration: A Field Experiment in the Philippines,” with Emily Beam and David Mckenzie

“Barriers to Medicaid Utilization Among Immigrants,” with Emily Beam and Tara Watson

“Migration Trajectories: Understanding Destination Choice Over Time for Overseas Filipino Workers,” with Agustin Arcenas, David Mckenzie, and Caroline Theoharides

“Mobilizing Remittances for Enterprise Finance: A Field Experiment Among Guatemalans in the U.S.,” with Diego Aycinena and Claudia Martinez A.

“Enhancing the Development Impact of Remittances: A Study of Direct Payment and Savings Facilities for Filipino Workers in Qatar,” with Agustin Arcenas and Ganesh Seshan

“Savings, Subsidies, and Sustainable Food Security: A Field Experiment in Mozambique” with Michael R. Carter

“Increasing the Development Impact of Migrant Remittances: A Field Experiment Among Kenyan Migrants in the U.S.,” with Isaac Mbiti

Permanent Working Papers

“The Impact of Rainfall on Rice Output in Indonesian Districts” with David I. Levine.

Book Reviews

Review of Dilip Ratha and Samuel Munzele Maimbo, eds., *Remittances: Development Impacts and Future Prospects* (World Bank, 2005) in *Journal of Economic Literature*, December 2006.

Nonacademic Publications

“Does Exporting Improve Firm Performance?” *Vox*, March 24, 2009.
<http://voxeu.org/index.php?q=node/3330>

“How Remittances Help Migrant Families,” December 2004. Invited article in the *Migration Information Source*, the online publication of the Migration Policy Institute.

“Salvadorans Overseas: The Foundation of a Pro-Poor Growth Strategy,” August 2003. Commissioned by *FUSADES (Fundación Salvadoreña para el Desarrollo Económico y Social)*, the Salvadoran Foundation for Economic and Social Development. Part of the project “A National Development Agenda for El Salvador” (headed by Ricardo Hausmann, Kennedy School of Government, Harvard University).

Major Research Grants

\$97,496	World Bank, 2010-2011 “A Field Experiment to Overcome Financial and Informational Barriers to Migration in the Philippines” (with Emily Beam and David Mckenzie)
\$947,658	BASIS AMA CRSP, U.S. Agency for International Development, 2009-2011 “Savings, Subsidies, and Sustainable Food Security: A Field Experiment in Mozambique” (with Michael R. Carter)
£28,591	International Growth Centre, 2009-2010 “Increasing the Development Impact of Migrant Remittances: A Field Experiment Among Kenyan Migrants in the USA” (with Isaac Mbiti)
\$70,000	World Bank, 2009-2010 “Filipina Migrant Supply and Demand During the Global Financial Crisis” (with David Mckenzie)
\$67,750	World Bank, 2009-2010 “The Gender Impact of Savings Innovations: A Field Experiment in Rural Malawi” (with Xavier Gine and Jessica Goldberg)
\$184,295	World Bank, 2009-2010 “Reducing Barriers to Savings in Rural Malawi: A Field Experimental Approach” (with Xavier Gine and Jessica Goldberg)
\$231,472	National Science Foundation, Award SES-0851570, 2009-2011 “Remittances and the Problem of Control: A Field Experiment Among Migrants from El Salvador”
\$152,619	Inter-American Development Bank, 2009-2010 “Financial Innovations to Stimulate Remittances and Savings: Follow-up Survey” (with Nava Ashraf, Diego Aycinena, and Claudia Martinez)
\$110,903	U.S. Agency for International Development, 2009-2010

	“Mobilizing Remittances for Enterprise Finance” (with Diego Aycinena and Claudia Martinez)
\$184,220	World Bank, 2009-2010 “Technological Innovations in Rural Malawi: A Field Experimental Approach” (with Xavier Gine and Jessica Goldberg)
\$485,415	Qatar National Priorities Research Program, 2008-2010 “Qatar Survey of Migrant Families” (with Agustin Arcenas and Ganesh Seshan)
\$640,000	John D. and Catherine T. MacArthur Foundation, 2007-2008 “Financial Innovations to Stimulate Remittances and Savings” (with Nava Ashraf, Diego Aycinena, and Claudia Martinez)
\$249,921	Inter-American Development Bank, 2007-2008 “Financial Innovations to Stimulate Remittances and Savings” (with Nava Ashraf, Diego Aycinena, and Claudia Martinez)
\$50,000	Multilateral Investment Fund, 2007-2008 “Financial Innovations to Stimulate Remittances and Savings” (with Nava Ashraf, Diego Aycinena, and Claudia Martinez)
\$150,000	BASIS AMA CRSP, U.S. Agency for International Development, 2007-2008 “Biometric and Financial Innovations in Rural Malawi” (with Xavier Gine and Jessica Goldberg)
\$75,000	World Bank, 2007-2008 “Biometric and Financial Innovations in Rural Malawi” (with Xavier Gine and Jessica Goldberg)

Fellowships and Smaller Grants

2010	Center for International Business Education, Ross School of Business, University of Michigan (“The Demand for International Savings Products among Mexican Migrants in Detroit, MI,” \$4,000)
2009	Center for Local, State, and Urban Policy, University of Michigan (“Barriers to Medicaid Participation in Michigan,” \$7,500)
2009	World Bank (“Migration Trajectories: Understanding Destination Choice Over Time for Overseas Filipino Workers,” \$24,239)
2008	Empowerment Lab, Harvard University (“Financial Innovations to Stimulate Remittances and Savings,” \$30,000)
2008	National Poverty Center, University of Michigan (“The Impact of Immigration on U.S. Natives,” \$10,000)
2008	International Policy Center, University of Michigan (“Financial Innovations to Stimulate Remittances and Savings,” \$10,000)
2008	Center for International Business Education, Ross School of Business, University of Michigan (“Biometric and Financial Innovations in Rural Malawi,” \$8,000)
2008	Junior Faculty Research Grant, Office of the Vice-President for Research

	(OVPR), University of Michigan (“Biometric and Financial Innovations in Rural Malawi,” \$12,346)
2007	World Bank (“Biometric and Financial Innovations in Rural Malawi,” \$29,414)
2006	Horace H. Rackham School of Graduate Studies, University of Michigan (“The Economics of Disasters,” \$11,000)
2005-2006	Hudak Family Gift / Ford School of Public Policy, University of Michigan (research and symposium on microfinance, \$15,000)
2004-2005	International Migration and Development Research Program, World Bank (\$33,000)
2004-2005	Center for International Business Education (CIBE), Ross School of Business, University of Michigan (“Exporting and Firm Performance,” \$5,000)
2004	Horace H. Rackham School of Graduate Studies, University of Michigan (international migration research, \$15,000)
2002-2003	Graduate Student Fellowship, MacArthur Network on the Effects of Inequality on Economic Performance (\$12,000)
2001-2002	Fellowship in Applied Economics, Social Science Research Council (\$18,000)
2001	Graduate Society Fellowship, Harvard University
1998-2000	Tuition and Stipend Grant, Harvard University

Courses Taught

Development Economics (Ph.D. level)
 Development Economics (Master of Public Policy level)
 Development Economics (undergraduate)
 Microeconomics (Master of Public Policy level)
 Microeconomics (undergraduate)

Academic Presentations

2011 (forthcoming):

University of California, Los Angeles (Anderson School of Management)

2010 (including forthcoming):

American Economic Association annual meeting, Atlanta. Presentation in session:
 “International Migration and Remittances” (chair)
 Centro Studi Luca d’Agliano conference, “Migration and Economic Development: Insights from Original Data Collection and Fieldworks,” Tuscany, Italy
 Asian Institute of Management (Center of Development Management)
 University of Pennsylvania, Wharton School of Business (Applied Economics Seminar)
 Washington University in St. Louis (Department of Economics)
 Inter-American Development Bank (Impact Evaluation Department and Research Department)
 Massachusetts Institute of Technology (Department of Economics)
 University of California, Berkeley (Department of Economics)
 17th BREAD conference, CIRPEE and University of Quebec at Montreal

3rd International Conference on Migration and Development (Paris School of Economics, World Bank, and Agence Française de Développement)
World Bank (Development Economics Research Group)

2009:

American Economic Association annual meeting, San Francisco. Presentation in session:

“International Migration and Remittances: Empirical Innovations” (chair)

World Bank (Malawi Country Office)

CIDE/Universidad Iberoamericana/Georgetown University conference, “Migration and Remittances: Trends, Impacts and New Challenges,” Mexico City, Mexico

University of Maryland (School of Public Policy)

USAID/BASIS AMA CRSP conference, “Escaping Poverty Traps: Connecting the Chronically Poor to Economic Growth,” Washington, DC

University of Virginia (Department of Economics)

Central Bank of the Philippines conference, “The Macroeconomic Impact of Remittances,” Manila, Philippines

Population Association of America annual meeting, Detroit. Presentation in session:

“Population Studies and Experimental Design”

University of Maryland (Department of Economics)

Millennium Challenge Corporation (Monitoring and Evaluation Department)

Center for Global Development/Harvard University conference, “Immigration and Development,” Washington, DC

2nd International Conference on Migration and Development (World Bank and Agence Française de Développement)

University of Southern California (Department of Economics)

2008:

American Economic Association annual meeting, New Orleans. Presentations in sessions:

“International Migration and Remittances” (chair)

“Technology Adoption in Developing Countries” (chair)

“Economic Effects of Natural Disasters” (chair)

“Health and Economic Outcomes: Linkages across the Life Cycle”

Federal Reserve Bank of Atlanta conference, “Remittances and the Macroeconomy,” Atlanta, GA

Yale University (Department of Economics)

Michigan State University (Department of Economics)

Federal Reserve Bank of Chicago (Research Department)

University of Chicago (Graduate School of Business)

Asian Development Bank (Research Department)

U.S. Agency for International Development (Summer Seminar Series)

Northeast Universities Development Consortium (NEUDC) conference, Boston University

University of Houston (Department of Economics)

Rice University (Department of Economics)

University of Colorado, Boulder (Department of Economics)

University of Wisconsin (Department of Agricultural and Applied Economics)

2007:

University of Quebec at Montreal (UQAM) Conference on Development Economics

Inter-American Development Bank conference, “Remittances and Housing: New Opportunities in Latin America,” San Salvador, El Salvador
Princeton University (Center for Migration and Development)
University of Washington, Seattle (Department of Economics)
University of Illinois, Urbana-Champaign (Department of Economics)
Rutgers University (Department of Economics)
Microeconomics of Growth conference, World Bank, Washington, DC
Latin American Economic Association (LACEA) annual meeting, Bogota, Colombia
Northeast Universities Development Consortium (NEUDC) conference, Harvard University
New School for Social Research conference, “Disasters: Recipes and Remedies,” New York, NY

2006:

Columbia University (SIPA, Department of Economics, and Earth Institute)
IMF (Research Department)
Johns Hopkins University (Department of Economics)
Wharton School of Business / Center for Strategic and International Studies conference, “Research on Corruption and its Control,” Philadelphia, PA
Darden Business School / World Bank conference, “The Financing of Corporations in Emerging Countries,” Washington DC
BREAD/CEPR/EBRD conference, “Institutional Development, Market Integration and Growth,” Tokyo, Japan
8th BREAD conference, Cornell University
NBER Universities Research Conference, “Firms and the Evolving Structure of Global Economic Activity,” Cambridge, MA
Inter-American Development Bank (Research Committee)
AIID/BREAD conference, “Barriers to Entry and to Expansion in the Developing World: The Role of Institutional Constraints,” Amsterdam (discussant)
Center for Global Development (Migration Roundtable)
University of Maryland (Department of Agricultural and Resource Economics)
Princeton University (Department of Economics)
Pennsylvania State University (Department of Economics)
McGill University (Department of Economics)
London School of Economics / University College London (joint development economics seminar)
University of Oxford (Department of Economics, Centre for the Study of African Economies)
Johns Hopkins School for Advanced International Studies (SAIS)
Georgetown University (Department of Economics)

2005:

Michigan State University (Department of Economics)
Ohio State University (Department of Agricultural, Environmental, and Development Economics)
Federal Reserve Bank of Philadelphia conference, “Immigration in the U.S.,” Philadelphia, PA
CEPR/BREAD conference, “Institutions, Development, and Transition,” Istanbul, Turkey
IMF conference, “When Institutions are Weak: Strategies for Change,” Washington, DC
NBER Summer Institute, International Trade and Investment Program, Cambridge, MA
Northeast Universities Development Consortium (NEUDC) conference, Brown University
Empirical Investigations in International Trade (EIIT) conference, Purdue University

2004:

University of California, Berkeley (Department of Economics)
Stanford University (Department of Economics)
Midwest Economics Association 68th Annual Meeting, Chicago, IL
Minnesota International Economic Development Conference, University of Minnesota
WDI/CEPR Annual International Conference on Transition Economics, Hanoi, Vietnam
Asian Development Bank (Economics Seminar Series)
University of Western Ontario (Department of Economics)
Columbia University (Earth Institute and Department of Economics)
World Bank (Development Economics Research Group, Poverty and Applied Micro Seminar)
Federal Reserve Bank of New York (Research Department)

2003 and before:

Northeast Universities Development Consortium (NEUDC), 2003, Yale University
Northeast Universities Development Consortium (NEUDC), 2002, Williams College

Awards

2010 Best Article on the Economics of Food Safety or Nutrition, Food Safety and Nutrition Section, *Agricultural and Applied Economics Association* (for “Under the Weather” paper, with Sharon Maccini)
2007-2008 Excellence in Refereeing Award, *American Economic Review*
2007 Excellence Award in Global Economic Affairs, Kiel Institute for the World Economy

Conferences and Conference Sessions Organized

2010 “International Migration and Remittances” session, American Economic Association annual meeting, Atlanta, Georgia
2009 “Population and Environmental Change” session, Population Association of America annual meeting, Detroit, Michigan
2009 “Anthropogenic Environmental Change” session, Population Association of America annual meeting, Detroit, Michigan
2009 “International Migration and Remittances” session, American Economic Association annual meeting, San Francisco, California
2008 “International Migration and Remittances” session, American Economic Association annual meeting, New Orleans, Louisiana
2008 “Technology Adoption in Developing Countries” session, American Economic Association annual meeting, New Orleans, Louisiana
2008 “Economic Effects of Natural Disasters” session, American Economic Association annual meeting, New Orleans, Louisiana
2007 Work-in-progress session, BREAD conference, Princeton University
2006 “Designing Better Microfinance” conference, Ford School of Public Policy, University of Michigan

Invited Lectures

Keynote speaker, TEMPO (Temporary Migration, Integration and the Role of Policies) conference, Trinity College Dublin, October 28-29, 2010.

Invited address, Central Bank of the Philippines conference, “The Macroeconomic Consequences of Remittances,” Manila, Philippines. March 30-31, 2009.

Opening address, *National Symposium on Immigration*, Arizona State Capitol, Phoenix (organized by University of Arizona, University of Southern California, RAND, *Congressional Quarterly*, Thomas R. Brown Foundation, and Communications Institute.) Nov. 16, 2006.

Invited address, Money Transmission Regulators Association (MTRA) annual conference, Charlotte, NC. October 2007.

Professional service

Referee reports: *American Economic Review*, *American Journal of Political Science*, *American Political Science Review*, *B.E. Journals in Economic Analysis & Policy*, *Canadian Journal of Economics*, *Eastern Economic Journal*, *Economic Journal*, *Economic Development and Cultural Change*, *Economics and Human Biology*, *Economics of Transition*, *Economica*, *International Migration*, *International Organization*, *Journal of African Economies*, *Journal of Development Economics*, *Journal of Development Studies*, *Journal of Economic Literature*, *Journal of Health Economics*, *Journal of Human Resources*, *Journal of International Economics*, *Journal of Labor Economics*, *Journal of Law, Economics, and Organization*, *Journal of Population Economics*, *Journal of Political Economy*, *Journal of Public Economics*, *Labour Economics*, *The Lancet*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Review of Income and Wealth*, *Scandinavian Journal of Economics*, *Social Forces*, *World Bank Economic Review*, *World Development*

Proposal reviews for:

Bill and Melinda Gates Foundation

Britain-Israel Research and Academic Partnership

John D. and Catherine T. MacArthur Foundation

National Science Foundation

Social Sciences and Humanities Research Council of Canada

External referee for policy reports of international institutions:

World Bank, *Global Economic Prospects 2006: Economic Implications of Remittances and Migration*

UNDP-UNDESA, *Realizing the Potential of Diaspora to Reduce Poverty and Enhance Entrepreneurship*

Member of User Working Group, Socioeconomic Data and Applications Center (SEDAC), Center for International Earth Science Information Network (CIESIN), Earth Institute, Columbia University

Instructor, Development Economics Summer School, Chinese Academy of Social Sciences (CASS); Beijing, People’s Republic of China, July 2007

Instructor, CEPR/BREAD/Verona Development Economics Summer School, University of Verona; Alba di Canazei, Italy, July 2008

Member of Program Committee, International Conference on Migration and Development

- 2nd conference, World Bank, September 2009
- 3rd conference, Paris School of Economics, September 2010

Member of Program Committee, Population Association of America (PAA) 2011 Annual Meeting, Washington, DC, April 2011.

Press mentions

United States: *Arizona Daily Star, National Public Radio, New York Times Magazine, Philippine News (San Francisco), Time Magazine, Wall Street Journal, Washington Post*

United Kingdom: *Financial Times, The Guardian*

El Salvador: *El Diario de Hoy, La Prensa Grafica*

Philippines: *Business World, Makiling Journal, Today*

Other work experience

2006 - present *Consultant, Inter-American Development Bank*

2004 - present *Consultant, World Bank*

Summer 2000 *Research Assistant for Professor Esther Duflo, Department of Economics, MIT*

Summer 1999 *Research Intern, Ministry of Economics and Finance, Government of Peru*