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### Current Position

Since January 2019, he is the Assistant Director General for Economic and Social Development at the [Food and Agriculture Organization of the United Nations \(FAO\)](#).

### Education

**Post Doctorate** in 1999 at University of California at Los Angeles, Institute of Social Science Research

**Ph.D.** received September 1998, University of California at Los Angeles, Department of Economics;

**M.A.** received September 1993, University of California at Los Angeles, Department of Economics.

### Publications<sup>1</sup>

#### **In Peer-Reviewed Journals**

(with Sandip Mitra, Dilip Mookherjee, and Sujata Visaria); (2018). Asymmetric Information and Middleman Margins: An Experiment with West Bengal Potato Farmers. *The Review of Economics and Statistics*, MIT Press, vol. 100(1), pp. 1-13, March.  
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<sup>1</sup> Google Scholar: 9458 citations (H-index 42, I10-Index 114); REPEC: top 5% in all related productivity and citation measures.

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(2015). "The Impact of Rural Electrification: Challenges and Ways Forward," *Revue d'économie du développement, De Boeck Université*, vol. 23(HS), pp. 49-75.

(2015). "L'impact de l'électrification rurale : enjeux et perspectives," *Revue d'économie du développement, De Boeck Université*, vol. 23(3), pp. 55-83.

(with Martins-Filho and Yao). (2014). High Order Conditional Quantile Estimation Based on Nonparametric Models of Regression. *Econometric Reviews*. Taylor & Francis Journals, vol. 34(6-10), pp. 907-958, December.

(with Angelino Viceisza). (2014). Potential Collusion and Trust: Evidence from a Field Experiment in Vietnam. *African Journal of Agricultural and Resource Economics*, Vol 11, Issue 1,11.

(with Ekin Birol & Bhushana Karandikar & Devesh Roy). (2015). "Information, Certification and Demand for Food Safety: Evidence from an In-store Experiment in Mumbai," *Journal of Agricultural Economics*, Wiley Blackwell, vol. 66(2), pp. 470-491, June.

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(with Nakasone, Eduardo, and Bart Minten). (2014). "The Power of Information: the ICT Revolution in Agricultural Development," *Annual Review of Resource Economics*, Vol. 6 pp. 533-550, October.

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(with Marco Castillo, Ragan Petrie, and Lise Vesterlund). (2013). Gender Differences in Bargaining Outcomes: A Field Experiment on Discrimination. *Journal of Public Economics*, Elsevier, vol. 99(C), pp. 35-48.

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(with Hernandez, Manuel). (2013). "Market concentration and pricing behavior in the fertilizer industry: a global approach," *Agricultural Economics*, International Association of Agricultural Economists, vol. 44(6), pp. 723-734, November.

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(with Eduardo Maruyama and Maribel Elias). (2009). Tipología de micro-regiones de las áreas rurales de Ecuador: Aplicaciones de fronteras estocásticas de utilidades agrícolas. *Finanzas Públicas*, Volumen 1, No. 2, Segundo Semestre del 2009.

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## Books

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(with von Braun, Joachim). 2006. Information and Communications Technology for Development and Poverty Reduction. Johns Hopkins University Press Series, Maryland.

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(with Florencio López-de-Silanes, Pablo Serra, Paul Gertler, Ernesto Schargrotsky, Francisco Anuatti, Sebastián Galiani, Alberto E. Chong, Carlos Pombo, Federico Sturzenegger, Carlo Pombo). 2005. "Privatization in Latin America: Myths and Reality," IDB Publications (Books), Inter-American Development Bank, number 348 edited by Alberto E. Chong & Florencio López-de-Silanes, August.

(with Carolina Trivelli, Felipe Portocarrero, et.al). 2004. "Mercado y Gestion de Microcrédito en el Perú." Consorcio de Investigación Económica y Social, Lima, Peru.

(with María Eugenia Genoni & Margarita Sánchez & Jaime Saavedra-Chanduví & Suzanne Duryea & Richard Parker & Peter Aggleton & Mayra Buvinic & Ernest Massiah & Omar Arias & Hugo R. Ñopo & Jacqueline Mazza). 2004. "Social Inclusion and Economic Development in Latin America," IDB Publications (Books), Inter-American Development Bank, number 439 edited by Ruthanne Deutsch & Juliana Pungiluppi & Mayra Buvinic & Jacqueline Mazza, August.

(with Miguel Robles, Jaime Saavedra, Nestor Valdivia and Juan Chacaltana). 2001. Estrategias y Racionalidad de la Pequeña Empresa. OIT, Lima 2001.

(with Orazio P. Attanasio & Miguel Székely & George Gray-Molina & Wilson Jiménez & Ernesto Pérez de Rada & Ernesto Yáñez & Marcelo Côrtes Neri & Edward Joaquim Amadeo & Alexandre Pinto Carvalho & Dante Contreras). 2001. "Portrait of the Poor: An Assets-Based Approach," IDB Publications (Books), Inter-American Development Bank, number 322 edited by Miguel Székely & Orazio P. Attanasio, August.

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### **Book Chapters**

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(with Saenger, Christoph & Qaim, Matin). (2016). "Impact of third-party enforcement of contracts in agricultural markets — A field experiment in Vietnam," IFPRI book chapters, in: Innovation for inclusive value-chain development: Successes and challenges, Chapter 11, pp. 343-374 International Food Policy Research Institute (IFPRI).

(2016). Reducing Food Loss and Waste. IFPRI book chapters, in: 2016 Global Food Policy Report, Chapter 3, pp 22-31 International Food Policy Research Institute (IFPRI).

(with Lucia Madrigal). (2016). "Using quantitative tools to measure gender differences within value chains," IFPRI book chapters, in: Innovation for inclusive value-chain development: Successes and challenges, Chapter 14, pp. 441-464 International Food Policy Research Institute (IFPRI).

(with Ousmane Badiane, Tsitsi Makombe, Julia Collins, Nadim Khouri, Clemens Breisinger, Kamiljon T. Akramov, Allen Park, Pramod Kumar Joshi, Akhter U. Ahmed, Stephen Davies, Anjani Kumar). (2016). "Regional developments," IFPRI book chapters, in: 2016 Global Food Policy Report, Chapter 9, pp. 80-107 International Food Policy Research Institute (IFPRI).

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(with M. Hernandez). (2013). Poverty-Sensitive Scorecards to Prioritize Lending and Grant Allocation with an Application in Central America. In: *Finance for Food Towards New Agricultural and Rural Finance*, ed by Doris Kohn, Springer, pp. 263-285.

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(with Marco Castillo and Ragan Petrie). (2009). "Ethnic and Social Barriers to Cooperation: Experiments Studying the Extent and Nature of Discrimination in Urban Peru." In: Ñopo, Hugo, Chong, Alberto, Moro, Andrea; (2009). *Discrimination in Latin America. An Economic Perspective*. Chapter 2, pp. 13-36. Inter-American Development Bank.

(with J. Kuramoto). (2009). Public-Private Research, Development, and Innovation in Peru. In: *Fueling Economic Growth: The Role of Public-Private Sector Research in Development*, ed. M. Graha and J. Woo. Rugby, U.K. and Ottawa, Canada: Practical Action Publishing and International Development Research Centre.

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(with Jaime Saavedra). (2004). Labor Market Reforms and their Impacts over Formal Labor Demand and Job Market Turnover: The Case of Peru. In Law and Employment: Lessons from Latin America and the Caribbean. James Heckman and Carmen Pagés. Chicago Press.

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(with Lynne Zucker, and Michael, Darby). (1999). Determinants of Embodied technology Transfer from Stars to Firms: Japan. In: Lynne G. Zucker, Takuma Takahashi, and Michael R. Darby; Knowledge Transfer in Biotechnology in Japan: Comparative Institutional Context and Commercial Success, Chapter 8, 48pp. Submitted for publication by the University of Chicago Press as a National Bureau of Economic Research volume.

### **Working Papers Submitted to Academic Journals**

(with Castillo, Marco and Petrie, Reagan). 2019. "Causal Evidence that Perinatal Conditions Affect the Risk Preferences of Adults." Submitted to Journal of Political Economy.

(with Castillo, Marco and Petrie, Reagan). 2018. "The Long-Lasting Effects of Political Violence on Risk Preferences."

(with Pender, John). 2018. "Economic Impacts, Costs, and Benefits of Infrastructure Investment." A Review of the Literature. ERS.

(with Barron, Manuel). 2018. "Long Term Effects of Electrification on Labor Supply: Experimental Evidence from El Salvador."

(with Castillo, Marco, Chenna Reddy Cotla, and Ragan Petrie), 2018. "Understanding the Risk Preferences of the Poor."

(with Nakasone, Eduardo). 2018. "Agricultural Extension through Information Technologies in Schools: Do the Cobbler's Parents go Barefoot?"

(with Manuel Barron). 2018. "Electricity Adoption and Household Energy Use: Experimental Evidence from Northern El Salvador."

(with Schuster, Monica & Delgado, Luciana). 2018. "The Reality of Food Losses: A New Measurement Methodology."

(with Castillo, Marco and Petrie, Reagan). 2018. "Gender differences in risk preferences of entrepreneurs."

(with Castillo, Marco, Roberto Mosquera Moyano, and Ragan Petrie). 2017. "Salience in the Field: Experimental Evidence of Attention Bias in Risk Tasks."

(with Miguel Almanzar). 2017. "Media Coverage and Food Commodities: Agricultural Futures Prices and Volatility Effects," Discussion Papers 264781, University of Bonn, Center for Development Research (ZEF).

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### **Discussion Papers**

(with Maruyama, Eduardo & Scollard, Phoebe & Elías, Maribel & Mulangu, Francis & Seck, Abdoulaye, 2018. "Frontier Analysis and Agricultural Typologies." Discussion Papers 270849, University of Bonn, Center for Development Research (ZEF).

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(with Ashok Gulati). (2004). Connecting Smallholders to Markets: Role of Infrastructure and Institutions. USAID policy brief.

### **Other Publications**

(2019). The State of Food Security and Nutrition in the World 2019. Safeguarding against Economic Slowdowns and Downturns. FAO, IFAD, UNICEF, WFP and WHO. 2019. Rome, FAO. <http://www.fao.org/3/ca5162en/ca5162en.pdf>

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### **Media Appearances**

Associated Press, Bloomberg, British Broadcasting Corporation, CNN International, CNN Spanish, The Economist, MacLean's, Agence France Press, Freakonomics, The Independent, Der Spiegel, Huffington Post, Newsweek, Wall Street Journal, Foreign Policy, Salon, Slate, The Washington Post, The New York Times, National Public Radio, El Mercurio (Chile), El Comercio (Peru), several other outlets in Latin America, Africa, South Asia, East Asia, and Australia.

### **Recent Research Grants**

2015-2017 National Institute of Health (with Erica Field)

2016-2017 National Science Foundation (with Angelino Viceisza)

2014-2016 European Commission (EU\$ 2.5 million). Improving the Effectiveness of Policies and Strategic Investments in the Fertilizer Supply Chain for Some African Countries Taking into Account the Global- and Country-Level Market Structure and Constraints

2014-2016 European Commission (EU\$ 2 million). Assessing Regional Food Reserves to Increase Resilience: Their Role in Safety Nets and in Reducing Price Volatility

2014-2016 CGIAR Policy Institutions and Markets (US\$ 5 million).

- 2014-2016 USAID (US\$ 3 million). Latin American Strategy
- 2013-2016 European Commission (US\$ 4 million). Food security
- 2013-2016 Swiss Development Cooperation (US\$ 2.2 million). Food Security India
- 2013-2017 Millennium Challenge Corporation (US\$ 1 million). Impact Evaluation of Rural Electrification and Roads in El Salvador
- 2012-2015 DFID (US\$ 1 million). Aflatoxin and Child Stunting
- 2013-2014 IADB (US\$ 600K). Impact of Rust Coffee in Central America
- 2013-2014 CAF (US\$ 600K). Rural Development and Poverty Reduction in Andean Countries: The Case of Peru

## **Professional Experience**

### **Teaching**

- 1999- **Associate Professor.** Universidad del Pacífico  
Economics Department, Postgraduate School.  
Industrial Organization and Uncertainty and Risk.  
(Currently on leave)
- 1994-1997 **Teaching Assistant**, Department of Economics, UCLA.  
Graduate Level Econometric Software Applications.  
Intermediate Microeconomics, Econometrics.
- 1990-1992 **Lecturer** Department of Economics, Universidad del Pacifico, Peru  
Intermediate Microeconomics.  
Economics Software Applications.

### **Research**

#### **Senior Researcher**

- 2019- *Food and Agriculture Organization of the United Nations (FAO)*  
Assistant Director General of the Economic and Social Development  
Department
- 2016-2018 *The World Bank Group (WBG)*  
Executive Director for Argentina, Bolivia, Chile, Paraguay, Peru and Uruguay
- 2006-2016 *International Food Policy Research Institute (IFPRI)*  
Division Director of the Markets, Trade and Institutions Division

- 2010-            *Center for Development Research, University of Bonn (ZEF)*  
Senior Fellow
- 2005-2006    *International Food Policy Research Institute (IFPRI)*  
Senior Research Fellow if the Markets, Trade and Institutions Division.  
Research on Infrastructure, and Institutions for rural development. Leader of a  
Global Research Project on Infrastructure and Institutions for Development for  
Africa, Latin America, Asia and South East Asia.
- 2003-2005    *International Food Policy Research Institute (IFPRI)*  
Research Fellow if the Markets, Trade and Institutions Division  
Research on infrastructure and institutions for rural development. Leader of a  
Global Research Project on Infrastructure and Institutions for Development for  
Africa, Latin America, Asia and South East Asia.
- 1997-            *Group of Analysis for Development (GRADE)*  
- Member of the Board of Directors  
- Director of the Executive Management Committee
- 2001-2003    *Georg Foster von Humboldt Fellow*

#### **Associate Researcher**

- 1998-2000    *Center for Development Research (ZEF)-University of Bonn (Invited Fellow)*
- 1994-2003    *Institute for Social Science and Research, University of California at Los Angeles*

#### **Professional Associations and Advisory Councils**

Member of the American Economic Association (1998-today); the European Economic Association (1999-today); the Western Economic Association (1998-2000); the Econometric Society (1998-today); the Latin American Econometric Society (1998-today); the Latin American and Caribbean Economic Association (LACEA, from 1998-today); the Southern Regional Science Association (1998-today); the International Association of Agricultural Economics (2006-today) and of the American Agricultural Association (2006-today)

#### **Awards**

- 2014            Chevalier de l'Ordre du M'erite Agricole
- 2002            Award for Outstanding Research on Development given by The Global Development Network (GDN). The selection committee was chaired by Nicolas Stern, and consisted of Francois Bourguignon, Mashiro Kawai, Nancy Birsdall, Jose Maria Fanelli y Fernando Loayza



- 2000 Award for Outstanding Research on Development given by The Global Development Network (GDN). The selection committee was chaired by Joseph E. Stiglitz, and consisted of Nancy Birdsall, Francois Bourguignon, Takatoshi Ito and Amartya Sen
- 2000-2001 Georg Foster Research Fellowship of the Alexander von Humboldt Foundation
- 1997-1998 University of California Dissertation Year Fellowship 1997-98
- 1997-1998 Ford-Foundation-ISOP Interdisciplinary Program for Students of Development Areas
- 1996-1997 Latin American Center, UCLA Research Grant “Diffusion of Technical Change in Traditional Agriculture in Peru”
- 1996 Department of Economics, UCLA, Travel grant for diffusion of research
- 1995-1997 British Foundation Fellowship
- 1994-1997 Department of Economics, UCLA, Teaching Assistant Position
- 1992-1994 Fulbright Fellowship
- 1992-1995 Inter-American Development Bank Fellowship
- 1992-1994 Ford Foundation Fellowship
- 1992 National Award for the Best Bachelors Dissertation  
Peruvian Economic Consortium and IDRC, Canada
- 1990 Honoric Mention on Bachelors and Licenciatura Dissertations  
Universidad del Pacifico, Lima, Peru

### **Countries of Expertise**

***In Latin America:*** Bolivia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Nicaragua, Peru, Paraguay, Uruguay, Dominic Republic, Chile, Argentina, and Brazil

***In Central and Eastern Europe:*** Armenia, Kosovo.

***In Africa:*** Burkina Faso, Ethiopia, Ghana, Kenya, Malawi, Morocco, Nigeria, Niger, Togo, Senegal, Uganda, Tanzania, Mozambique, and Zambia.

***In Asia:*** Bangladesh, India, Vietnam and Cambodia

## **Languages**

English, Spanish, French (basic)

## **References**

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