

K R I S H N A B . K U M A R

EDUCATION

- Ph.D., Economics, University of Chicago
- M.S., Computer Sciences, University of Wisconsin-Madison
- B.Tech., Mechanical Engineering, Indian Institute of Technology, Madras, India

PROFESSIONAL EXPERIENCE

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|-------------------------|---|
| 2012-present | Director, Labor & Population, RAND Corporation |
| 2012-2012 | Associate Director-International, Labor & Population, RAND Corporation |
| 2009-2012 | Director, Research and Policy in International Development, RAND Corporation |
| 2007-present | Lead, Rosenfeld Program on Asian Development, RAND Corporation |
| 2005-present | Senior Economist, RAND Corporation |
| 2005-2006, 2008-present | Visiting Assistant Professor, Fuqua School of Business, Duke University |
| 2004-present | Visiting Professor, Indian School of Business |
| 1997-2005 | Assistant Professor of Finance and Business Economics, Marshall School of Business, USC |

RESEARCH FIELDS

Economic growth & development, education and human capital, international macroeconomics, technological change.

ONGOING AND RECENT PROJECTS AND FUNDING SOURCES

- The Formal-Informal Labor Nexus and Growth: The Case of Bangladesh (IZA-DFID), PI
- Calculating the gross regional product of the Kurdistan Region of Iraq (Kurdistan Regional Government), PI
- Assessing the Impact of Farmer Field Schools on Excess Fertilizer Use in China (3ie: International Initiative for Impact Evaluation), PI
- Evaluating the socio-economic benefits on the working poor in India of moving into permanent dwellings (Rockefeller Foundation), PI
- Federal Funding of University R&D – The Pathway to Commercialization (National Science Foundation), PI
- The impact of cellphones on agricultural productivity in China and India (Rosenfeld), PI

RECENTLY COMPLETED RAND PROJECTS

- Capacity Building in the Kurdistan Regional Statistics Organization by conducting unemployment surveys in the Kurdistan Region of Iraq
- The role of hedge funds in the financial crisis
- Designing a policy-relevant data collection system for the Kurdistan Region-Iraq
- Strategies for private-sector development and civil-service reform for the Kurdistan Region-Iraq
- The impact of Mexico's policies on the United States
- Entrepreneurial policy in India
- Analyzing the labor market for Anesthesiologists and Nurse Anesthetists
- General Secretariat for Development Planning – Qatar
- A Human Development Report oriented to the future

- “Regional and Gender Differences and Trends in the Anesthesiologist Workforce” (with Matthew Baird, Lindsay Daugherty, and Aziza Arifkhanova), *Anesthesiology* (September 2015); doi:10.1097/ALN.0000000000000834
- “Farmer Field School and Farmer Knowledge Acquisition in Rice Production: Experimental Evaluation in China” (with Mingliang Guo et al), *Agriculture, Ecosystems and Environment* 209 (2015): 100-107; doi:10.1016/j.agee.2015.02.011
- “The Effect of Federal Research Funding on Formation of University-Firm Biopharmaceutical Alliances”(with Margaret E. Blume-Kohout, Christopher Lau, and Neeraj Sood), *Journal of Technology Transfer* (2015), 40(5): 859-876; DOI 10.1007/s10961-014-9374-7
- “University R&D Funding Strategies in a Changing Federal Funding Environment” (with Margaret E. Blume-Kohout and Neeraj Sood), *Science and Public Policy* (2015), 42(3): 355-368; doi: 10.1093/scipol/scu054
- “The Impact of Labor-Market Regulations on Low-Income Countries: A Meta Analysis” (with Shanthi Nataraj, Francisco Perez-Arce, and Sinduja Srinivasan), *Journal of Economic Surveys* 08/2013; 28(3). DOI: 10.1111/joes.12040
- “Indian Entrepreneurial Success in the United States, Canada and the United Kingdom” (with Robert W. Fairlie, Harry Krashinsky, and Julie Zissimopoulos), *Research in Labor Economics* (2012), in Solomon W. Polachek, Konstantinos Tatsiramos (ed.) *Research in Labor Economics (Research in Labor Economics, Volume 36)*, Emerald Group Publishing Limited, pp.285-318.
- “From Families to Formal Contracts: An Approach to Development” (with John G. Matsusaka), *Journal of Development Economics* (2009): vol. 90, 106-119.
- “Africa: Is Aid an Answer?” (with Elizabeth M. Caucutt), *The B.E. Journal of Macroeconomics (Advances)* (2008): vol. 8, issue. 1, article 32.
- “Education for All: The Right Course for Africa?” (with Elizabeth M. Caucutt, University of Western Ontario), *Review of Economic Dynamics* 10 (2007): 294-326.
- “Inappropriate Technology: What is in it for the rich?” (with Ana Fernandes), *Macroeconomic Dynamics* 11 (2007): 487-518.
- “Does the Progressivity of Income Taxes Matter for Human Capital and Growth?” (with Elizabeth M. Caucutt and Selahattin Imrohoroglu), *Journal of Public Economic Theory*, January 2006, vol. 8, no. 1, 95-118.
- “Skill-specific rather than General Education: A Reason for US-Europe Growth Differences?” (with Dirk Krueger), *Journal of Economic Growth*, June 2004, vol. 9, no. 2, 167-207.
- “Intermediation Costs and Capital Flows” (with Ayse Imrohoroglu), *Review of Economic Dynamics*, July 2004, vol. 7, no. 3, 586-612.
- “US-Europe differences in technology-driven growth: quantifying the role of education” (with Dirk Krueger), *Journal of Monetary Economics*, January 2004, vol. 51, no. 1, 161-190
- “Education and Technology Adoption in a Small Open Economy – Theory and Evidence,” *Macroeconomic Dynamics*, September 2003, vol. 7 no 4, 586-617.
- “Growth and Welfare Analysis of Tax Progressivity in a Heterogeneous-Agent Model” (with Elizabeth M. Caucutt, and Selahattin Imrohoroglu), *Review of Economic Dynamics*, July 2003, vol. 6, no. 3, 546-577.
- “Higher education subsidies and heterogeneity: a dynamic analysis” (with Elizabeth M. Caucutt), *Journal of Economic Dynamics & Control*, June 2003, vol. 27, no. 3, 1459-1502.

The Socioeconomic Effects of the Working Poor Moving to Permanent Dwellings: The Case of the Ashray Affordable Housing Pilot Project in India (with Nicholas Burger et al), RR-714-RF, 2014.

The Anesthesiologist Workforce in 2013 (with Matthew Baird et al), RR-650-ASAI, 2014.

Capacity Building at the Kurdistan Regional Statistics Organization Through Data Collection (with Sandra H. Berry et al), RR-293-KRG, 2014.

Knowledge-Based Economies and Basing Economies on Knowledge: Skill a Missing Link in GCC Countries (with Desiree van Welsum), RR-188, 2013.

Hedge Funds and Systemic Risk and Dodd-Frank: The Road Ahead (with Lloyd Dixon and Noreen Clancy), RAND-CF-308, 2013.

Hedge Funds and Systemic Risk (with Lloyd Dixon and Noreen Clancy), MG-1236-CCEG, 2012.

“The impact of labour market regulation on employment in Low-Income Countries: a systematic review,” (with Shanthi Nataraj, Francisco Perez-Arce, and Sinduja Srinivasan (2011), RAND Corporation.

The impact of different approaches to higher education provision in increasing access, quality, and completion for students in developing countries: a systematic review (with Clifford, M., Miller, T., Stasz, C., Sam, C.). Protocol. (2012) London: EPPI-Centre, Social Science Research Unit, Institute of Education, University of London

Designing a System for Policy-Relevant Data Collection for the Kurdistan Region-Iraq (with Sandra H. Berry et al), MG-1184-KRG, 2012.

Strategies for Private-Sector Development and Civil-Service Reform in the Kurdistan Region-Iraq (with Michael L. Hansen et al), MG-1117-KRG, 2011.

Building the Future: Summary of Four Studies to Develop the Private Sector, Education, Health Care, and Data for Decisionmaking for the Kurdistan Region-Iraq (with C. Ross Anthony, et al), MG-1185-KRG, 2011.

U.S. and Mexico – Borderline Friends: Ties that bind, Issues that divide (with Emma Aguila et al), MG-985-RC, 2012.

“How Americans Will Live and Work in 2020: A Workshop Exploring Key Trends and Philanthropic Response,” (with Gregory F. Treverton, and Robert J. Lempert), CF-299, 2011.

“An Analysis of the Labor Markets for Anesthesiology,” (with Lindsay Daugherty, Raquel Fonseca, and Pierre-Carl Michaud), TR-688-HLTH, 2010.

“Catalysts of Entrepreneurship: Policies for Growth,” (with Elizabeth D. Brown et al), CF-265, 2009.

“Education and the Asian Surge: A Comparison of the Education Systems in India and China,” (with Charles A. Goldman and Ying Liu), OP-218-CAPP, February 2008.

“China and India: Different Educational Paths toward Prosperity,” (with Ying Liu), *Policy Insight*, PRGS, February 2008.

OTHER PAPERS / PUBLICATIONS

“Qatar’s Knowledge Economy: Has its Development Been Balanced?” (with Desiree van Welsum), *Qatar Business Review*, Feb-Mar 2012.

“The Impact of Federal Life Sciences Funding on University R&D,” (with Margaret Blume-Kohout and Neeraj Sood), *NBER Working Paper 15146*.

“Inclusion. Growth. In India, Entrepreneurship Can Connect the Dots.” *ISB Insight*, Winter 09-10, 12-15.

Patterns of Potential Human Progress. Volume I: Reducing Global Poverty (with Barry B. Hughes et al), 2009, Boulder, CO: Paradigm Publishers.

“Capitalism still works: Our economy will recover because we are innovators and entrepreneurs,” September 17, 2009, *Pittsburgh Post-Gazette*.

“Food for Stomach. Food for Thought.” *ISB Insight*, September 2008, 6-9.

“Indian Growth: A Miracle or a “Mere” Blessing?” *ISB Insight*, June 2006, 15-18.

“What Determines Firm Size?” *NBER Working Paper 7208*, (with Raghuram G. Rajan and Luigi Zingales).

“US-Europe Growth Differences: The Role of Education” (with Dirk Krueger), in *Growth and Stability in the EU: Perspectives from the Lisbon Agenda*, Oesterreichische Nationalbank.

REFEREE / REVIEWER FOR

American Economic Review
Econometrica
The Economic Journal
European Economic Review
IMF Staff Papers
International Economic Review
Journal of Development Economics
Journal of Economic Dynamics & Control
Journal of Economic Education
Journal of Economic Theory
B.E. Journals in Macroeconomics
Journal of Economic Growth
Journal of the European Economic Association
Journal of Human Capital
Journal of Monetary Economics
Journal of Political Economy
Journal of Public Economic Theory
Macroeconomic Dynamics
National Science Foundation
Review of Economic Dynamics
Review of Economic Studies

3ie Expert Roster

COURSES TAUGHT

MBA and EMBA: Global Economic Environment of the Firm, Global Markets and Institutions, Fuqua School of Business, Duke University, 2005-present.

MBA: Global Economics, Indian School of Business, 2004-present.

ACADEMIC HONORS AND FELLOWSHIPS

Recipient of a 2011 Gold Merit Award from RAND.

Recipient of a 2010 President’s Award from RAND.

Recipient of a 2008 Silver Merit Award from RAND.

Huddleson Teaching Award, Pardee RAND Graduate School, 2008.

Award for teaching excellence by the Cross Continental MBA Class of 2010, Fuqua School of Business, Duke University.

Elected for Outstanding Teacher Award by the Weekend Executive MBA Class of 2006, Fuqua School of Business, Duke University.

Elected as Professor of the Year (2005-2006) by students at the Indian School of Business, based on the Global Economics course taught there during June-July 2005.

Elected as Professor of the Year (2004-2005) by students at the Indian School of Business, based on the Global Economics course taught there during June-July 2004.

“Inappropriate Technology,” was selected for presentation at the 2002 Minnesota Workshop in Macroeconomic Theory.

“What Determines Firm Size?” has made it to all time top-ten list of downloads in four different subcategories in the Social Sciences Research Network (SSRN).

Nominated as a Professor of the Year (2001-2002), by Gamma Sigma Alpha, a National Greek Academic Honor Society.

Letter of commendation from the Dean of Faculty for teaching done in Fall 1999.

Distinction in the Ph.D. core exam at Chicago. (Co-winner of the Lee Prize for best performance.)

Lee Prize for best performance in the Money & Banking preliminary exam at Chicago.

Henry Morgenthau Dissertation Fellowship.

University of Chicago Century Fellowship.

General Motors Fellowship (Univ. of Wisconsin).

National Talent Search Scholarship, India.

PRESENTATIONS (IN REVERSE CHRONOLOGICAL ORDER)

Panel on labor markets in low-income countries, IZA-World Bank Conference, October 2015

Panel on technology and the emerging labor force, RAND BeFi, October 2015

Applied Economics Seminar, Indian School of Business, July 2014

Advances in Economic Development, April 2011, University of Southern California

Kauffman-World Bank Conference on Entrepreneurship and Growth, The World Bank, November 2009

Indian School of Business, Hyderabad, India, June 2008, June 2007, June 2006

National Institute of Health, Competitiveness / innovation project, November 2007

Conference on International Trade and Finance, Federal Reserve Bank of Cleveland

Duke University

RAND

Indian School of Business, Hyderabad, India

Pacific Conference for Development Economics, San Francisco

Conference on Economic Development, Tippie College of Business, University of Iowa

Stanford University

North American Winter Meetings of the Econometric Society, January 2004, San Diego

Conference on Trade, Capital Flows, and Aggregate Dynamics, Federal Reserve Bank of Cleveland, September 2003

2003 Annual Meetings of the Society for Economic Dynamics, Paris, France

Federal Reserve Bank of Minneapolis (Visiting Scholar, July 7-11, 2003)

Carnegie-Rochester Conference on Public Policy, April 2003

The World Bank (multiple presentations)

UC-Santa Barbara

Winter Meetings of the Econometric Society, January 2003, Washington DC

2002 Minnesota Workshop in Macroeconomic Theory (presented by co-author)

2002 Summer Meetings of the Econometric Society at UCLA

2002 Annual Meetings of the Society for Economic Dynamics, New York

Wharton School of the University of Pennsylvania

Pennsylvania State University

North American Winter Meetings of the Econometric Society, January 2002, Atlanta
(one presentation and two discussions)

Stanford Conference on Credit-Market Frictions and the Macroeconomy, Aug 2001

Society of Economic Dynamics, 2001 meeting at Stockholm, Sweden
(one presentation and three other co-authored papers)

North American Winter Meetings of the Econometric Society, January 2001, New Orleans

Society of Economic Dynamics, 2000 meeting at San Jose, Costa Rica

CEPR Conference on Industrial Structure & Input Markets, April 2000, Mannheim, Germany

University of Washington, Seattle

Latin American Econometric Society Meeting, Summer 1999, Cancun, Mexico

Society of Economic Dynamics, 1999 meeting at Sardinia, Italy

UCLA Economics (two presentations)

UC-Riverside

USC Department of Economics (multiple presentations)

USC Marshall School (multiple presentations)

GRADUATE SCHOOL EXPERIENCE

Research Assistant, for Robert E. Lucas Jr.

Research Assistant, for Thomas J. Sargent

Graduate Teaching Assistant. Recursive Methods - I.
(for Robert E. Lucas Jr., and Nancy L. Stokey)

Graduate Teaching Assistant. Theory of Income - II.
(for Thomas J. Sargent)

PREVIOUS WORK EXPERIENCE

Project Lead. Novell Inc., San Jose, CA.

Project Lead. Infosys Consultants, Bangalore, India.

Software Engineer. Hewlett-Packard, Cupertino, CA.