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Professor of Economics

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EDUCATION

Ph.D., Economics, Yale University, 1999.

B.S., Economics, Massachusetts Institute of Technology, 1990.

FIELDS OF SPECIALIZATION

Market integration in China and Europe; Human capital accumulation and long-run growth;
Intergenerational social mobility; History of China's foreign trade.

PROFESSIONAL POSITIONS

2017-present Professor of Economics, and Professor of History (by courtesy), University of Colorado

2016-present Faculty Associate, Institute of Behavioral Science, Program on International Development

2014-present University of Munich and Center for Economic Studies and Ifo Institute (CESifo), Visiting Researcher

2014-present Research Network Fellow, Center for Economic Studies and Ifo Institute (CESifo), Munich, Germany

2012-present Fellow, Centre for Economic Policy Research (CEPR), U.K., Economic History Program

2011-present Faculty Associate, Institute of Behavioral Science, Institutions Program

2015-2019 Editorial Board, *Explorations in Economic History*

2016-2018 National Science Foundation (NSF) Economics Advisory Panel

2016-2018 Co-Editor, *Journal of Economic History* Book Reviews

2015-2016 Editorial Associate, *Journal of Economic History*

2013-2014 Visiting Associate Professor, Stanford University, Stanford Institute for Economic Policy Research

2011-2012 Editorial Board, *Explorations in Economic History*

2010-2011 Visiting Associate Professor, Princeton University, Department of Economics

2009 University of Munich and CESifo, Visiting Researcher

2007-2011 Editorial Board, *Journal of Economic History*

2005-2017 Associate Professor of Economics with tenure, University of Colorado

1999-2005 Assistant Professor of Economics, University of Texas-Austin

- 2005-present Research Economist, National Bureau of Economic Research (NBER),
International Trade and Investment Program
- 2003-present Affiliate, Centre for Economic Policy Research (CEPR), U.K., International Trade and
Regional Economics Program
- 2003-2004 Visiting Researcher, The World Bank, Washington D.C., Development Research
Group

HONORS, AWARDS, AND FELLOWSHIPS

- 2014-2015 Friedrich Wilhelm Bessel Award, Alexander von Humboldt Foundation
- 2013-2014 National Fellow, Hoover Institution, Stanford University
- 2002-2003 Visiting Scholar, The Russell Sage Foundation, New York City
- 1999 Gerschenkron Prize finalist for best dissertation, Economic History Association

RESEARCH GRANTS

- 2020-2022 Chiang Ching-kuo Foundation, Scholar Grant, \$30,000.
- 2011-2014 National Science Foundation, "Trading, Institutions, Product Innovation, and
Entrepreneurship", \$684,941, (Grant SES-1124426, with Wolfgang Keller), extended
until 2016
- 2005-2008 National Science Foundation, "What Explains Modern Economic Growth? New
Evidence from a Comparison of China and Europe in the 18th Century", \$266,183
(Grant SES-0453040, with Wolfgang Keller)
- 2005-2007 Metanexus Institute, "Religion and Economic Change", \$500,000 (with Robert D.
Woodberry, Mark D. Regnerus, Joseph E. Potter, Virginia Garrard-Burnett, and
Daniel Powers)
- 2002-2004 National Institutes of Health, "Intergenerational and Interfamily Economic Links",
Principal Investigator, \$149,750, (NICHD R03)

PUBLICATIONS

- "Capital Markets in China and England in the 18th and 19th Centuries: Evidence from Grain
Prices", (with Wolfgang Keller and Xin Wang), [American Economic Journal: Applied
Economics](#), forthcoming.
- "[Capital markets and grain prices: assessing the storage cost approach](#)," (with Wolfgang Keller)
[Cliometrica](#), 2020, vol. 14(2), pages 367-396, May.
- "[Market integration and institutional change](#)," (with Wolfgang Keller), [Review of World
Economics \(Weltwirtschaftliches Archiv\)](#), 2020, vol. 156(2), pages 251-285, May.
- "Real International Transactions", (with Wolfgang Keller and Markus Lampe). In
Cambridge Economic History of the Modern World, 2 volumes, edited by Stephen

Broadberry and Kyoji Fukao, Cambridge University Press, in press.

“Foreign Trade and Investment”, (with Wolfgang Keller). In *Cambridge Economic History of China*, 2 volumes, edited by Debin Ma and Richard von Glahn, Cambridge University Press, in press.

“Human Capital and Fertility in Chinese Clans Before Modern Growth”, Journal of Economic Growth, 2017, 22(4), 351-396.

“China’s Domestic Trade During the Treaty Port Era”, Explorations in Economic History, January 2017, 63, pp. 26-43 (with Wolfgang Keller and Javier Andres Santiago).

“A Culture of Kinship: Chinese Genealogies as a Source for Research in Demographic Economics”, Journal of Demographic Economics, December 2016, 82(4), pp. 459-482.

“The Endogenous Formation of Free Trade Agreements: Evidence from the *Zollverein’s* Impact on Market Integration”, Journal of Economic History, December 2014, 74(4), pp. 1168-1204 (with Wolfgang Keller).

“The Organization and Scope of Grain Markets in Qing China”, in *A History of Market Performance: From Ancient Babylonia to the Modern World*, R.J. Van der Spek, Jan Luiten van Zanden, E.S. van Leeuwen (eds.), Routledge, 2014.

“The Evolution of Domestic Trade Flows when Foreign Trade is Liberalized: Evidence from the Chinese Maritime Customs Service”, (with Wolfgang Keller and Ben Li), in *Institutions and Comparative Economic Development*, Masahiko Aoki, Timur Kuran and Gérard Roland (eds.), New York: Palgrave Macmillan, 2012, pp. 152-172.

“Shanghai’s Trade, China’s Growth: Continuity, Recovery, and Change since the Opium War”, International Monetary Fund Economic Review, 2013, Vol. 61, pp. 336-378 (with Wolfgang Keller and Ben Li).

“China’s Foreign Trade, Perspectives from the Last 150 Years”, The World Economy, 2011, 34(6), pp. 853-892 (with Wolfgang Keller and Ben Li).

“Markets in China and Europe on the Eve of the Industrial Revolution”, American Economic Review, September 2007, 97(4), pp. 1189-1216 (with Wolfgang Keller).

- Reprinted in M. Casson (ed.), *Markets and Market Institutions: Their Origin And Evolution*, Edward Elgar Publishing Ltd, Cheltenham, UK, 2011.

“The Origins of Spatial Interaction”, Journal of Econometrics, September 2007, 140(1), pp. 304-332 (with Wolfgang Keller).

“Market Integration and Economic Development: A Long-run Comparison”, Review of

Development Economics, February 2007, 11(1), pp. 107-123 (with Wolfgang Keller).

“From Political Fragmentation towards a Custom Union: Border Effects of the German Zollverein, 1815-1855”, European Review of Economic History, August 2005, 9(2), pp. 129-162.

“The Political Economy of Famine Relief in China, 1740-1820”, Journal of Interdisciplinary History, Summer 2005, 36(1), pp. 33-55.

“Local Granaries and Central Government Disaster Relief: Moral Hazard and Intergovernmental Finance in Eighteenth and Nineteenth Century China”, Journal of Economic History, March 2004, 64(1), pp. 101-125.

“Transport Costs and the Geography of Arbitrage in Eighteenth Century China”, American Economic Review, December 2002, 92(5), pp. 1406-1419.

“Comparing the Correlation Length of Grain Markets in China and France”, International Journal of Modern Physics C, October 2000, 11(7), pp. 1383-1410 (with Bertrand M. Roehner).

PUBLICATIONS: SHORT ARTICLES

“Domestic geography matters: China’s internal trade during the Treaty Port”, VoxEU article (with Wolfgang Keller and Javier Andres Santiago), August 23, 2016, <http://voxeu.org/article/how-domestic-trade-frictions-shape-welfare-gains>

“The Marketing System in Pre-Modern China”, in *Oxford Bibliographies for Chinese Studies*, Tim Wright (ed.), New York: Oxford University Press, Spring 2013.

“Trade effects when formation of trade agreements is endogenous”, VoxEU article (with Wolfgang Keller), December 19, 2013, <http://www.voxeu.org/article/do-trade-agreements-increase-trade-evidence-zollverein>

“China’s Soaring Foreign Trade: Made in Britain, c. 1840?” VoxEU article (with Wolfgang Keller and Ben Li), December 19, 2010, <http://www.voxeu.org/index.php?q=node/5942>

“Comments on Abramitzky, Chaudhary, Musacchio,” Journal of Economic History, June 2007, 67(2), pp. 511-515. (Alexander Gerschenkron Prize Panel, Convener’s comments)

“Grain Trade and Storage in Late Imperial China,” Journal of Economic History, June 2000, 60(2), pp. 511-515 (Dissertation Summary, selected for the Alexander Gerschenkron Prize Panel).

PUBLICATIONS: BOOK REVIEWS

“Review of Francesca Bray, Peter A. Coclanis, Edda L. Fields Black, and Dagmar Schäfer (eds.), *Rice: Global Networks and New Histories*,” Cambridge University Press, 2015, Journal of Economic History, June 2017, 77(2), pp. 647-649

“Review of Sui-Cheung, *The Price of Rice: Market Integration in Eighteenth-Century China*,” Western Washington University Press, 2008, Journal of Economic History, May 2010, 70(2), pp. 523-525.

“Review of Madeleine Zelin, *The Merchants of Zigong: Industrial Entrepreneurship in Early Modern China*,” New York: Columbia University Press, 2006, Journal of Economic History, December 2006, 66(4), pp. 1086-1088.

- Also published in Economic History Services, September 2006

“Review of Madeleine Zelin, Jonathan K. Ocko, Robert Gardella (eds.), *Contract and Property in Early Modern China*,” Stanford University Press, 2004, Economic History Services book review, September 2004.

WORKING PAPERS AND WORK IN PROGRESS

“Social Mobility in the Long Run: A Temporal Analysis of China, 1300 to 1900”. CEPR Discussion Paper 13589.

“China’s Foreign Trade and Investment, 1800-1950” (with Wolfgang Keller). NBER Working Paper 27558, July 2020.

“Human Capital Acquisition, Famines, and Dynastic Change”, in progress.

“Occupational and Geographic Job Mobility in China, 1870-1916, Micro-evidence from the Chinese Maritime Customs Service List”, in progress.