

BENJAMIN F. JONES
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PRINCIPAL APPOINTMENT

2014 - Gordon and Llura Gund Family Professor in Entrepreneurship
Professor of Strategy, Kellogg School of Management

OTHER CURRENT POSITIONS

2013- Faculty Director, Kellogg Innovation and Entrepreneurship Initiative (KIEI)
2012 - Research Associate, National Bureau of Economic Research (NBER)
2010 - Associate Editor, *Journal of Development Economics*
2005 - Department of Political Science, Northwestern University (by courtesy)

PRIOR POSITIONS

2010 - 2011 Senior Economist for Macroeconomics, White House Council of Economic Advisers
2009 - 2014 Associate Professor with tenure, Kellogg School of Management
2007 - 2009 Associate Professor, Kellogg School of Management
2005 - 2012 Faculty Research Fellow, National Bureau of Economic Research (NBER)
2003 - 2007 Assistant Professor, Kellogg School of Management, Northwestern University
1997 - 1998 Special Assistant to Deputy Secretary Lawrence H. Summers
U.S. Department of the Treasury
1996 Lecturer, Kazakhstan Institute for Management and Economic Prognoses

EDUCATION

1999 - 2003 Ph.D. in Economics, MIT
1995 - 1997 M.Phil. in Economics, Oxford University
1991 - 1995 B.S.E. in Aerospace Engineering, Princeton University, *summa cum laude*

SELECTED AWARDS

2015 Alfred P. Sloan Foundation Grant (2015-2018)
2015 Best African Business Case, EFMD
2011 Stanley Reiter Best Paper Award
2006-08, 2017 Finalist, L.G. Lavengood Outstanding Professor of the Year Award
2007 Templeton Foundation Grant
2001 SSRC Program in Applied Economics Fellowship
1995 Rhodes Scholarship
1995 Princeton University's Pyne Honor Prize
1995 Palmer Prize in Engineering

BOOKS

The Changing Frontier: Rethinking Science and Innovation Policy
University of Chicago Press, 2015 (editor, with Adam Jaffe)

JOURNAL ARTICLES

“The Dual Frontier: Patentable Inventions and Prior Scientific Advance”
Science, 357, August 2017 (with Mohammad Ahmadpoor)

“The Nearly Universal Link between the Age of Past Knowledge and Tomorrow’s Breakthroughs in Science and Technology: The Hotspot”
Science Advances, 3, April 2017 (with Brian Uzzi, Satyam Mukherjee, and Dan Romero)

“The Human Capital Stock: A Generalized Approach”
American Economic Review, 104 (11), November 2014

“What Do We Learn from the Weather? The New Climate-Economy Literature”
Journal of Economic Literature, 52 (3), September 2014 (with Melissa Dell and Ben Olken)

“The Retraction Penalty: Evidence from the Web of Science”
Scientific Reports, 3, November 2013 (with Ginger Jin, Susan Lu, and Brian Uzzi)

“Atypical Combinations and Scientific Impact”
Science, 342, October 2013 (with Satyam Mukherjee, Mike Stringer, and Brian Uzzi)

“Temperature Shocks and Economic Growth: Evidence from the Last Half Century”
American Economic Journal: Macroeconomics, 4 (3), July 2012 (with Melissa Dell and Ben Olken)

“Age Dynamics in Scientific Creativity”
Proceedings of the National Academy of Sciences, 108 (47), November 2011 (with Bruce Weinberg)

“Climate Shocks and Exports”
American Economic Review Papers & Proceedings, 100 (2), May 2010 (with Ben Olken)

“Age and Great Invention”
Review of Economics and Statistics, 99 (1), February 2010 (Lead article)

“Hit or Miss? The Effect of Assassinations on Institutions and War”
American Economic Journal: Macroeconomics, 1 (2), July 2009 (with Ben Olken)

“Temperature and Income: Reconciling New Cross-Sectional and Panel Estimates”
American Economic Review Papers & Proceedings, 99 (2), May 2009 (with Melissa Dell and Ben Olken)

“The Burden of Knowledge and the Death of the Renaissance Man: Is Innovation Getting Harder?”
Review of Economic Studies, 76 (1), January 2009

“Multi-University Research Teams: Shifting Impact, Geography and Stratification in Science”
Science, 322, November 2008 (with Brian Uzzi and Stefan Wuchty)

“The Anatomy of Start-Stop Growth”
Review of Economics and Statistics, 90 (3), August 2008 (with Ben Olken)

“The Increasing Dominance of Teams in the Production of Knowledge”
Science, 316, May 2007 (with Brian Uzzi and Stefan Wuchty)

“Do Leaders Matter? National Leadership and Growth since World War II”
Quarterly Journal of Economics, 120 (3), August 2005 (with Ben Olken)

POLICY PAPERS AND BOOK CHAPTERS

“Opportunities for Advances in Climate Change Economics”
Science, April 2016 (with Marshall Burke, Charlie Kolstad et al.)

“Learning What Works in Educational Technology with a Case Study of EDUSTAR”
Hamilton Project Discussion Paper, Brookings Institution, March 2016 (with Ronnie Chatterji)

“Age and Scientific Genius”
Handbook of Genius, June 2014 (with E.J. Reedy and Bruce Weinberg)

“Harnessing Technology to Improve K–12 Education”
Hamilton Project Discussion Paper, Brookings Institution, September 2012 (with Ronnie Chatterji)

“As Science Evolves, How Can Science Policy?”
NBER Innovation Policy and the Economy, 11, 2010

“National Leadership and Economic Growth”
The New Palgrave Dictionary of Economics, September 2009

WORKING PAPERS

“University Innovation and the Professor’s Privilege”
NBER Working Paper #22057, June 2017 (with Hans Hvide)
Revise and resubmit, *American Economic Review*

“Artificial Intelligence and Economic Growth”
September 2017 (with Philippe Aghion and Chad Jones)

“Age and High-Growth Entrepreneurship”
July 2017 (with Pierre Azoulay, Daniel Kim, and Javier Miranda)

“The Reverse Matthew Effect: Catastrophe and Consequence in Scientific Teams”
January 2017 & NBER Working Paper #19489 (with Ginger Jin, Susan Lu, and Brian Uzzi)

“China: An Institutional View of an Unusual Macroeconomy”
NBER Working Paper #19662, November 2013 (with David Dollar)

“The Knowledge Trap: Human Capital and Development Reconsidered”
July 2014

PROJECTS

“Decoding Teams: Individual Quality and Team Output”
(with Mohammad Ahmadpoor and Satyam Mukherjee)

SELECTED COMMENTS

“Eureka”

Science, July 2015

“Do Assassins Really Change History?”

The New York Times, Sunday Review, April 2015 (with Ben Olken)

“Make Randomized, Controlled Cuts”

Nature, July 2013

Comment on “Generality, Recombination, and Re-Use”

The Rate and Direction of Inventive Activity Revisited, Josh Lerner and Scott Stern eds., 2011

“Why Science Needs a Nudge from Washington, D.C.”

Newsweek, June 2010

“Why Do Team-Authored Papers Get Cited More?”

Science, 317, September 2007 (with Brian Uzzi and Stefan Wuchty)

CASES

“Mobile Telecommunications: Two Entrepreneurs Enter Africa”

Kellogg School of Management (Case: 5-413-758; Teaching Note: 5-413-758TN)

September 2014 (with Dan Campbell), Winner: Best African Business Case, EFMD, 2015

“Supercell”

Harvard Business School (Case: 9-817-052; Teaching Note: 5-817-055)

October 2016 (with Bill Kerr and Alexis Brownell)

“Innovation and Access: New Cancer Drugs Come to India”

Kellogg School of Management (Case: 5-416-750)

October 2016 (with Anna Maitland, Ameet Morjaria, and Juliet Sorensen)

INVITED PRESENTATIONS

Seminars

2009- Princeton, Northwestern, Stanford, Yale SOM, University of Pennsylvania, Chicago Harris, Harvard Business School (3), Brigham Young, MIT Sloan (2), NYU (2), Yale, Berkeley Haas (2), UCLA Anderson, Harvard/MIT, Chicago Booth, LSE, London Business School, Norwegian School of Economics, University of Bergen, Brown, Arizona State, Georgia Tech, Kellogg MEDS, Columbia GSB, Indian School of Business, National University of Singapore, Sogang University, USC, MIT, Duke, UCSD, Carnegie Mellon (2), Collegio Carlo Alberto, IMF, Wharton, Chicago Economics, HEC, Stockholm, Georgia Tech (scheduled), LSE (scheduled), Munich (scheduled)

2006-8 Stanford GSB, Yale, IMF, Wisconsin, Philadelphia Fed, Chicago Harris, UBC, World Bank (2), Kellogg, DePaul, Chicago Econ, Berkeley Haas, Northwestern, Chicago GSB, University of Toronto Rotman, UCLA Anderson, Wharton, LSE (2), University of Illinois Chicago, Ohio State, Penn State, Washington University Olin

2002-5 International Monetary Fund, NYU Stern, Dartmouth, Harvard/MIT, Cornell, Kellogg, Boston University, Georgetown, Washington University Olin, LSE, Columbia GSB, University of Michigan, Northwestern (2), NYU Political Science, RPI, IUPUI, Wisconsin, University of Houston/Rice, University of Illinois Urbana

Conferences

2009- Economics in Networks Symposium, Kaufmann-OECD Workshop, NBER Economic Fluctuations and Growth Meeting, Stanford SITE Conference, AEA Meetings, NBER Innovation Policy and Economy Spring Workshop, Central Bank of Guatemala, NBER China Meeting, Chicago Political Economy Conference, Science of Team Science Conference Opening Keynote, NSF Knowledge Conference (Wharton), NSF Knowledge Conference (Michigan), NBER Entrepreneurship Workshop, Stanford Climate Change Conference; Organisation, Economics and Policy of Scientific Research Workshop; National Center for Women and Information Technology Conference; European Policy for Intellectual Property Conference Opening Keynote, AEA Meetings 2017, AAAS Meetings 2018 (scheduled)

2006-8 NBER New Ideas about New Ideas Conference, NBER Africa Conference, Harvard Business School Strategy Conference, Tinbergen Institute Conference on Innovation and Early Stage Ideas, AEA Meetings, World Bank Commission on Growth and Development, BREAD Conference, NBER Political Economy Meeting, Northwestern Conflict and Cooperation Conference, AEA meetings, Midwest Economics Association meetings, Chicago Political Economy Conference, NBER Climate Change Conference, Canadian Conference on the Economics of Innovation and Entrepreneurship, World Bank Microeconomics of Growth Conference, NBER Economic Growth Workshop, NBER Innovation Policy and the Economy Workshop, CEPR Conflicts Globalization and Development Conference

2002-5 NBER Economic Fluctuations & Growth Conference, NBER Innovation Policy & the Economy Workshop (2), Northwestern University Africa Conference, Social Science Research Council, Toulouse IDEI/CSIO Conference, Technology Transfer Society Conference, Tsinghua University/World Bank Conference, San Francisco Federal Reserve Productivity Conference

TEACHING

Kellogg	Economics of Ideas, Innovation, and Entrepreneurship (Ph.D., 2014)
Kellogg	Strategic Challenges in Emerging Markets (Executive MBA, 2010 - present)
MIT	Economics of Ideas, Innovation, and Entrepreneurship (Ph.D., 2009)
Kellogg	International Business Strategy in Non-Market Environments (MBA, 2004 - present)
NBER	Entrepreneurship Boot Camp (July 2012)
MIT/Harvard	Development Economics (teaching assistant, Ph.D. 2003)
KIMEP	Introductory Microeconomics (MPA, 1996)

PROFESSIONAL ACTIVITIES

Conference Organization

Co-chair (with Pierre Azoulay and Heidi Williams), National Academy of Sciences Forum on “Returns to Federal Investment in the Innovation System” (December 2016)
Program Committee, Econometric Society North American Winter Meeting (January 2016)
Co-organizer (with Javier Miranda and Scott Stern) of USPTO/Census External Experts Workshop (July 2015)

Co-organizer (with Scott Stern and Heidi Williams) of NBER's Innovation Workshop (July 2014, July 2015, July 2016)
Co-organizer (with Nick Bloom) of NBER's Productivity, Innovation, and Entrepreneurship Plenary Workshop (July 2014, July 2015, July 2016)
Co-organizer (with Adam Jaffe) of NBER Conference "The Changing Frontier: Rethinking Science and Innovation Policy" (October 2012, August 2013)
Program Committee, Econometric Society North American Summer Meetings (June 2012)
Co-organizer (with Joel Mokyr) of Northwestern University's Nemmers Prize Conference (May 2012)
Co-organizer (with Scott Stern) of NBER's Economics of Intellectual Property Workshop (July 2004, July 2005, July 2006, July 2007, July 2008, July 2009, July 2010, July 2012, July 2013)
Co-organizer (with Ajay Agrawal) of NBER's Productivity Program Meeting (December 2009)
Co-organizer (with Matthias Doepke) of NBER's Growth Meeting (February 2009)
Session co-organizer (with Ben Olken) "The Economic Impacts of Climate Change," AEA meetings (January 2009)
Session co-organizer (with Ben Olken) "Growth Transitions," AEA meetings (January 2007)

Selected Discussions & Panel Presentations

AEA Annual Meetings "Economics and Artificial Intelligence" (January 2017)
AEA Annual Meetings "R&D Agglomeration, Spillovers, and Recombination" (January 2017)
AEA Annual Meetings "Climate Change: Past, Present, and Future" (January 2017)
NBER Growth Meeting (July 2016)
University of Chicago Firm Dynamics and the Aggregate Economy Conference (April 2016)
Hamilton Project "Strengthening Student Learning through Innovation and Flexibility" (March 2016)
AEA Annual Meetings "Documenting the Costs of Climate Change" (January 2015)
AEA Annual Meetings "Entrepreneurship and Creativity" (January 2015)
NBER Environmental and Energy Economics Meeting (July 2014)
NBER Entrepreneurship Meeting (July 2014)
NSF Science of Science Policy Workshop (June 2014)
NBER Environmental and Energy Economics Meeting (January 2014)
AEA Annual Meetings "Patents, Innovation, and Growth" (January 2014)
Roundtable for Engineering Entrepreneurship Research (November 2013)
NBER Innovation Policy and Economy Day (July 2013)
NBER Economics of Digitization Conference (June 2013)
Hamilton Project "Promoting Attainment and Achievement in K-12 Education" (September 2012)
NBER Innovation Policy and the Economy Meeting (July 2012)
Silicon Flatirons Innovation Policy and National Competitiveness Conference (September 2011)
NBER Rate and Direction of Inventive Activity 50th Anniversary Conference (September 2010)
NBER Productivity Program Meeting (July 2010)
Canadian Economics of Innovation and Entrepreneurship Conference (May 2010)
Science of Team Science Conference (April 2010)
NBER Location of Biopharmaceutical Activity Conference (March 2008)
MEA Annual Meetings "Growth and Output Shocks in Asian Economies" (March 2008)
NBER Entrepreneurship Conference (September 2007)
NBER Growth Meeting (July 2007)
NBER Innovation Policy and the Economy Meeting (July 2006, July 2007)
AEA Annual Meetings "Education and Democracy" (January 2007)
IMF Economic Growth and Latin America Conference (November 2006)
NBER Africa Meeting (April 2006)
Northwestern / Toulouse Industrial Organization Conference (May 2004)

Refereeing

American Economic Review, American Economic Journal: Applied Economics, American Economic Journal: Macroeconomics, American Journal of Sociology, American Political Science Review, Berkeley Electronic Press, Econometrica, Economica, Economic Journal, Economics Letters, European Economic Review, Journal of Comparative Economics, Journal of Development Economics, Journal of Economic Growth, Journal of Economic Theory, Journal of Economic Literature, Journal of Economics and Management Strategy, Journal of the European Economic Association, Journal of Human Capital, Journal of Human Resources, Journal of Industrial Economics, Journal of Labor Economics, Journal of Monetary Economics, Journal of Political Economy, Journal of Public Economics, Management Science, National Tax Journal, Nature Climate Change, Organization Science, Oxford Bulletin of Economics and Statistics, PLOS One, Proceedings of the National Academy of Sciences, Rand Journal of Economics, Review of Economics and Statistics, Review of Economic Studies, Quarterly Journal of Economics, Science, Small Group Research, World Development

Ad-hoc Reviewer

National Science Foundation
Alfred P. Sloan Foundation
Social Sciences and Humanities Research Council of Canada
Routledge Books

Other

Life Member, Council on Foreign Relations
Trustee, United World College – USA
Member, Research Advisory Council, PowerMyLearning
Member, Committee on Transportation Investments in Response to Economic Downturns, National Research Council (2011-2014)
Faculty Affiliate, Northwestern Institute of Complex Systems (NICO), Institute for Policy Research (IPR) and Buffett Institute

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