

Megan MacGarvie

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Appointments

- 2011-present Associate Professor, Markets, Public Policy and Law
Boston University School of Management, now Questrom School of Business
- 2003-2011 Assistant Professor, Finance and Economics (2003-2009) and Markets,
Public Policy and Law (2009-2011)
Boston University School of Management
- 2014-present Research Associate, Productivity Program
(Faculty Research Fellow 2005-14)
National Bureau of Economic Research

Education

- 2003 Ph.D. in Economics, University of California at Berkeley
- 1998 M.A. in Economics, University of Toronto
- 1997 B.A. (First Class Honours) in Economics and English, McGill University

Peer-reviewed Publications

- “New Evidence on International Postdocs in the U.S.: Less Pay, Different Experiences.” (with Shulamit Kahn). *Research Policy* 53 (9): 105077. November 2024.
- “Author Country of Origin and Attention on Open Science Platforms: Evidence from COVID-19 Preprints” (with Caroline Fry). *Management Science* 70(8):5426-5444. August 2024.
- “Canada’s Patent Productivity Paradox: Recent Trends and Implications for Future Growth” (with Iain Cockburn and John McKeon). *International Productivity Monitor*. Number 45, Fall 2023.
- “It was Fifty Years Ago Today: Recording Copyright and the Supply of Music” (with Jeremy Watson and John McKeon). *Management Science*, Vol. 69, Issue 1, January 2023.
- “The Impact of Permanent Residency Delays for STEM PhDs: Who leaves and Why” (with Shulamit Kahn). *Research Policy*, Volume 49, Issue 9, November 2020, 103879
- “Dead Poets’ Property: How does Copyright Influence Price?” with Petra Moser and Xing Li. *RAND Journal of Economics*, Volume 49, Issue 1, Spring 2018, Pages 181-205
- “Misfits, Stars, and Immigrant Entrepreneurship,” with La Mattina, G., Kahn, S. *Small Business Economics*, 49 (3), 2017, pp. 533-557
- “Do return requirements increase international knowledge diffusion? Evidence from the Fulbright program,” with Shulamit Kahn, *Research Policy*, Volume 45, Issue 6, July 2016, Pages 1304–1322

“How Important Is US Location for Research in Science?” with Shulamit Kahn, *Review of Economics and Statistics*, May 2016, Vol. 98, No. 2, Pages 397-414

“Copyright and the Profitability of Authorship: Evidence from Payments to Writers in the Romantic Period” with Petra Moser, chapter in National Bureau of Economic Research Conference Report, *Economic Analysis of the Digital Economy* (Avi Goldfarb, Shane Greenstein, and Catherine Tucker, editors). University of Chicago Press, 2015.

“Access to Intellectual Property for Innovation: Evidence on Problems and Coping Strategies from German Firms” with Iain M. Cockburn and Elisabeth Mueller. *Research Policy*, Volume 42, Issue 2, March 2013, Pages 529–541

“The Effects of the Foreign Fulbright Program on Knowledge Creation” with Shulamit Kahn, *The Rate and Direction of Inventive Activity Revisited (2012)*, Josh Lerner and Scott Stern, editors (p. 161 - 197) Chicago: University of Chicago Press, 2012.

“Regulatory Policy and the Location of Biopharmaceutical Foreign Direct Investment in Europe” with Pamina Koenig. *Journal of Health Economics*. Sep 2011; 30(5):950-65

“Entry and Patenting in the Software Industry” with Iain Cockburn, *Management Science*, Volume 57, May 2011, p. 915-933

“The Private Value of Software Patents” with Bronwyn H. Hall, *Research Policy*, Volume 39, Issue 7, September 2010, p. 994-1009.

“Patent Thickets, Licensing and Innovative Performance” with Iain M. Cockburn and Elisabeth Müller, *Industrial and Corporate Change*, Volume 19, Issue 3, 2010, p. 899-925.

“Patents, Thickets, and the Financing of Early-Stage Firms: Evidence from the Software Industry” with Iain M. Cockburn, *Journal of Economics & Management Strategy*, Volume 18, Number 3, Fall 2009, p. 729-773

“Organizational Innovation and Academic Collaboration: The Role of Universities in the Emergence of U.S. Pharmaceutical Research Laboratories” with Jeffrey L. Furman, *Industrial and Corporate Change*, Volume 18, number 5, 2009, p. 929-961.

“When the Pill Peddlers met the Scientists: The Antecedents and Implications of Early Collaborations Between US Pharmaceutical Firms and Universities” with Jeffrey L. Furman, *Essays in Economic and Business History*, Volume XXVI, 2008, p. 133-146.

“Academic Science and the Birth of Industrial Research in the U.S. Pharmaceutical Industry” with Jeffrey L. Furman, *Journal of Economic Behavior and Organization*, Volume 63, Issue 4, August 2007, p. 573-576.

“Do Firms Learn from International Trade?” *The Review of Economics and Statistics*, Volume 88, Issue 1, February 2006, p. 46-60.

“How well do Patent Citations Measure Flows of Technology? Evidence from French Innovation Surveys” with Emmanuel Duguet, *Economics of Innovation and New Technology*, Volume 14, Number 5, July 2005, p. 375 - 393.

“The Determinants of International Knowledge Diffusion as Measured by Patent Citations”
Economics Letters, Volume 87, Issue 1, April 2005, p. 121-126

Edited volume and chapters

“International students’ migration: immigration policy and implications for innovation,”
with Ina Ganguli, in *Migration and Innovation: A Research Agenda*, forthcoming (Francesco
Lissoni and Andrea Morrison, editors). Edward Elgar Publishing Ltd.

The Roles of Immigrants and Foreign Students in US Science, Innovation and Entrepreneurship
(Co-edited with Ina Ganguli and Shulamit Kahn). University of Chicago Press, 2020.

“Introduction to *The Roles of Immigrants and Foreign Students in US Science, Innovation and Entrepreneurship*” (Co-edited with Ina Ganguli and Shulamit Kahn). University of Chicago Press, 2020.

“Immigration Policy and Stay Rates of STEM PhDs.” with Shulamit Kahn. Centre for Science
and Technology Studies (CWTS), Leiden University, the Netherlands, *Proceedings of the 23rd
International Conference on Science and Technology Indicators* 478-485

Macgarvie, M., & Kahn, S. “The Impact of Permanent Residency Delays on STEM PhDs: Who
Leaves and Why.” *Cato Institute Research Briefs in Economic Policy* no. 158.
[https://www.cato.org/publications/research-briefs-economic-policy/impact-permanent-residency-
delays-stem-phds-who-leaves](https://www.cato.org/publications/research-briefs-economic-policy/impact-permanent-residency-delays-stem-phds-who-leaves)

“Pitfalls of Data-Driven Decisions,” with Kristina McElheran, chapter in *HBR Guide to Data
Analytics Basics for Managers*, Boston: Harvard Business Review Press, 2016, pp 127-136.

“Does Working Outside the U.S. Affect Scientific Productivity?” with Shulamit Kahn. *Newsletter
of the Committee on the Status of Women in the Economics Profession*, 2012.

“Studying the Funding of Early-Career Scientists: Best Practices and Research Questions,” with
Pierre Azoulay and Kirk Doran. *Advancing the Science of Science Funding* white paper, 2018.

Grants and Awards

- 2024 Shahdadpuri Faculty Research Award, Questrom School of Business, Boston University
- Principal Investigator on grant by Alfred P. Sloan Foundation to the National Bureau of Economic Research for “Economics of Scientific Research: Funding, Structure, and Outcomes” (with co-PI Reinhilde Veugelers)
- CARB-X Investigation: Economics of Science, Innovation, & Project Performance, Social Innovation on Drug Resistance (SIDR) (with Jeffrey Furman (PI), James Bessen, Iain Cockburn and Michael Meurer)
- National Science Foundation, Science of Science and Innovation Policy Program Grant 1745164: “Workshop on the Role of Immigrants and Foreign Students in Science, Innovation and Entrepreneurship.” (PI, with Co-PIs Ina Ganguli and Shulamit Kahn).
- “Research on Copyright, Cumulative Innovation, and Access to Creative Works,” National Bureau of Economic Research Program on Digitization (with Tim Simcoe and Jeremy Watson)

- Grant from the NBER's Economics of Digitization and Copyright Initiative (joint with Petra Moser)
- Grant from Tilburg University Law and Economics Center for Innovation, Intellectual Property and Competition (joint with Elisabeth Mueller (ZEW) and Iain Cockburn (BU))
- Investigator on Ewing Marion Kauffman Foundation grant to BU Law School for research on "Law, Innovation and Growth" (Principal Investigator: Michael Meurer)
- Co-PI on National Science Foundation Grant SBE-0738371: "Collaborative Research MOD: Contributions of Foreign Students to Knowledge Creation and Diffusion" (with Shulamit Kahn and Donna Ginther).
- Senior Investigator on National Science Foundation Grant SES-0527657 "Harnessing Patent Data for Social Science Research" (Principal Investigators: Iain Cockburn, Bronwyn Hall, Woody Powell and Manuel Trajtenberg)
- 2002 UC Berkeley Dean's Normative Time Fellowship
- 2001 John M. Olin Foundation Research Fellowship
- 2001 Center for Studies in Higher Education Research Grant
- 1998-2002 UC Berkeley non-resident tuition waivers
- 1998 UC Berkeley first year fellowship (Block Grant)
- 1997 University of Toronto Open Fellowship
- 1997 Cherry Prize in Economics, McGill University
- 1993-1997 McGill Dean's List
- 1993-1995 McGill Student/Athlete Honour Roll
- 1994 McGill Alumnae Fellowship and the James McGill Award

Presentations

- October 2024: presentation at TPRI working paper series.
- June 2024: DRUID conference, Nice, France (presenter and discussant).
- April 2024: Research Seminar, Wharton School of Business; Bank of Canada Productivity Conference.
- November 2023: Discussant at NBER Work-From-Home Shock to Labor Markets Meeting
- August 2023: Presentation to National Institutes of Health Advisory Committee to the Director (ACD) working group on postdocs (online)
- July 2023: Discussant at NBER Summer Institute, Science of Science Funding
- May 2023: Presentation at The Importance of the Innovation Ecosystem, Information Technology and Innovation Foundation
- March 2023: Technology Policy Research Institute workshop, presentation to National Academies committee on Pathways to Doctoral Degrees in computing
- January 2023: Harvard Kennedy School Growth Lab seminar presentation.
- July 2022: Keynote Speaker, 2022 GeoInno Conference, Milan, Italy. Discussant at NBER Summer Institute, Science of Science Funding
- November 2021: NBER conference on Investments in Early Career Scientists: Data and Research Gaps (online)
- June 2021: Seminar, Universite du Luxembourg (online).
- April 2021: Seminar, Ohio State University (online)
- January 2021: Conference on Educational and Cultural Exchanges and Peace in the Disinformation Era (Fulbright Turkey). (online)
- August 2020: Panelist, Academy of Management TIM Plenary on Immigration and Innovation. (online)

- May 2020: Migration, Globalization and the Knowledge Economy, Milan, Italy. (online)
- December 2019: Rotman Strategy Seminar, Toronto, ON. Queen's Business Economics Seminar, Kingston, ON.
- October 2019: Harvard CID Growth Lab seminar, Cambridge, MA; Economics of Innovation and Productivity Conference, Bath, UK; BU Research on Tap
- September 2019: BU Law and Economics Seminar; Research on Research Institute Workshop, Wellcome Trust, London, UK
- July 2019: NBER Summer Institute workshop on the Science of Science Funding and TPRI conference (discussant at both)
- May 2019: Utrecht Migration and Innovation Conference.
- April 2019: TPRI workshop, BU Law School
- March 2019: Federal Reserve Bank of Boston NESG seminar.
- November 2018: Georgia Institute of Technology Strategy and Innovation Research Seminar, Atlanta, GA; Association of Public Policy Analysis and Management Annual Meetings, Washington, DC
- July 2018: NBER Summer Institute (discussion)
- March 2018: Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland
- January 2018: AEA Annual Meetings, Philadelphia PA; Questrom MPPL Brownbag Seminar
- July 2017: Society for Economic Research on Copyright Issues Annual Congress, Turin, Italy; NBER Summer Institute, NBER, Cambridge, MA
- January 2016: Discussant, AEA meetings, San Francisco, CA
- July 2015: Discussant, NBER Summer Institute, Cambridge, MA
- April 2015: BU Law School Intellectual Property Seminar, Boston, MA
- January 2015: Discussant, AEA Annual Meetings, Boston, MA
- November 2014: UC Berkeley Innovation Seminar, Berkeley, CA
- August 2014: AOM Annual Meetings, Philadelphia, PA
- November 2013: WIPO Economics Seminar, Geneva, Switzerland
- October 2013: NBER's High Skill Immigration in the Global Economy Conference, Cambridge, MA
- February 2013: NBER Productivity Lunch seminar
- September 2012: NSF/NAAS SciSP PI's conference, Washington, DC
- August 2012: Academy of Management Annual Meetings, Boston, MA
- July 2012: NBER Summer Institute (discussant), Cambridge, MA
- April 2012: UC Merced Economics Dept. research seminar, Merced, CA
- November 2011: REER (discussant), Atlanta, GA
- June 2011: Queen's University Entrepreneurship and Innovation Conference (discussant), Kingston, ON; Canadian Economics Association Annual Meetings (presenter and session organizer) (Ottawa, ON)
- November 2010: Association for Public Policy Analysis and Management Annual Meetings, Boston, MA
- October 2010: NBER conference on the Rate and Direction of Inventive Activity, Warrenton, VA.
- October 2009: Atlanta Conference on Science and Innovation Policy, Atlanta, GA.
- July 2009: NBER/Kauffman "Rate and Direction" Pre-Conference, Dana Point, CA. NBER Summer Institute (Innovation Policy and the Economy Day), Cambridge, MA.
- June 2009: Queen's University Entrepreneurship and Innovation Conference, Kingston, ON.
- May 2009: NBER Cities and Entrepreneurship Conference (discussant)

- April 2009: International Industrial Organization Conference, Boston, MA
- January 2009: American Economics Association Annual Meetings, San Francisco.
- May 2008: BPS Jr. Faculty Mini-conference, Massachusetts Institute of Technology.
- March 2008: OECD Workshop on the Harmonisation of Applicants' Names in Patent Data, Paris (tele-conference presentation).
- November 2007: Career Patterns of Foreign-born Scientists and Engineers, Trained and/or Working in the U.S., The Science and Engineering Workforce Project of the National Bureau of Economic Research; University of Toronto Rotman School of Management Business Economics Seminar; NBER Economics of Agglomeration meetings (discussant)
- October 2007: McMaster University Economics Departmental Seminar
- September 2007: NBER-Kauffman conference on Entrepreneurship: Strategy and Structure, Jackson Hole, WY.
- July 2007: NBER Pre-conference on the Location of Biopharmaceutical Activity; NBER Summer Institute (discussant)
- January 2007: AEA Meetings (discussant); NBER's Entrepreneurship and Innovation Policy and the Economy Program Pre-conference "Entrepreneurship: Strategy and Structure"
- December 2006: NBER Productivity meetings (discussant); Roundtable on Engineering Entrepreneurship Research (REER), Georgia Tech
- November 2006: NBER Higher Education Working Group, Cambridge, MA
- October 2006: Strategy Workshop, Fuqua School of Business, Duke University; NSF Workshop on Using Human Resource Data from NSF Science Resources Statistics to Study the Science and Engineering Workforce, Arlington, VA
- September 2006: ExTra Workshop "Technology transfer from universities: A critical appraisal of patents, spin-offs and human mobility", Lausanne, Switzerland
- June 2006: Federal Reserve Board Research Seminar
- May 2006: Canadian Economics Association Annual Meetings, Montreal (presenter and session organizer).
- April 2006: International Industrial Organization Conference, Boston, MA
- April 2005: NBER conference "Academic Science and Entrepreneurship: Dual Engines of Growth?", Santa FE, NM
- April 2005: International Industrial Organization Conference, Atlanta, GA
- February 2005: Harvard Economic History Workshop
- September 2004: Economic History Association Annual Meetings, San Jose, CA
- July 2004: Academic Science and Entrepreneurship: Dual Engines of Growth? Pre-Conference, NBER, Cambridge
- June 2004: Canadian Economics Association Annual Meetings, Toronto November 2003: Roundtable on Engineering Entrepreneurship Research (REER), Georgia Tech; Empirical Investigations in International Trade, Purdue University; Economics Department Seminar, Northeastern University
- August 2003: R&D, Education, and Productivity: An International Conference in Memory of Zvi Griliches (1933-1999)
- May 2003: Center for Studies in Higher Education Research Colloquium
- October 2002: INSEE Research Seminar
- August 2002: NBER Summer Institute pre-conference for R&D, Education, and Productivity: An International Conference in Memory of Zvi Griliches (1933-1999)

- 1998-2003 Additional presentations of work in progress at the 2002 CCC Doctoral Consortium, UC Berkeley Innovation Seminar, IO lunch, Macroeconomics Seminar, and International/Macro Lunch, and the NBER Productivity Lunch.

Other Activities

Co-organizer, NBER Program on the Science of Science Funding (2024-present)

Co-organizer, NBER Productivity Lunch (2007-present)

Steering Group, Advancing the Science of Science Funding Workshop (2018-2024)

Associate Editor, *Management Science* (2024-present)

Editorial Review Board, *Strategic Management Journal* (2015-present)

International Advisory Committee of the *International Productivity Monitor*, Canadian Centre for the Study of Living Standards

Co-organizer, Academy of Management Award Ceremony Honoring TIM Distinguished Scholar Bronwyn Hall (2021)

Grant Review Panel, National Science Foundation's *Science of Science and Innovation Policy* program (2015-2018)

Editorial Advisory Board in support of the World Intellectual Property Organization-Cambridge University Press Book Series *Intellectual Property, Innovation and Economic Development* (2016-present)

International Industrial Organization Conference, Industrial Organization Society, Committee Member (2013).

Ad hoc reviewer for Canada's Social Sciences and Humanities Research Council; European Research Council; National Science Foundation.

Ad hoc reviewer for *American Economic Review*, *Annales d'économie et de statistique*, *Canadian Journal of Economics*, *Economics of Innovation and New Technology*, *The Economic Journal*, *Industrial and Corporate Change*, *International Journal of Electronic Business*, *International Journal of Industrial Organization*, *Journal of Applied Econometrics*, *Journal of Cultural Economics*, *Journal of the European Economic Association*, *Journal of Industrial Economics*, *Journal of International Economics*, *Management Science*, *Rand Journal of Economics*, *Review of Economics and Statistics*, *Research Policy*, *Strategic Management Journal*