



Rotman

DANIEL TREFLER

Title: J. Douglas and Ruth Grant Chair in Competitiveness and Prosperity.
Affiliations: Rotman School of Management and Department of Economics
University of Toronto
Address: Rotman School of Management, University of Toronto, 105 St. George Street,
Toronto, Ontario, Canada, M5S 3E6, Room 8064.
E-mail: dtrefler@rotman.utoronto.ca
Websites: www.rotman.utoronto.ca/~dtrefler
Phone: (416) 946-7945.
FAX: (416) 978-5433.

EDUCATION

1989	Ph.D.	UCLA	Economics
1983	M.Phil.	Cambridge University	Economics
1982	B.A.	University of Toronto	Economics, Mathematics

WORK EXPERIENCE

1997-2017 Full Professor, Rotman School of Management, University of Toronto
(cross-appointed with the Department of Economics)
2009-2010 Sabbatical Visiting Professor, Department of Economics, Harvard University
1996-1997 Associate Professor, Department of Economics, University of Toronto
1994-1996 Visiting Associate Professor (with tenure), The Irving B. Harris Graduate School of
Public Policy Studies, University of Chicago
1990-1994 Assistant Professor, Department of Economics, University of Toronto
1988-1990 Lecturer, Department of Economics, University of Toronto

CURRENT AFFILIATIONS

- National Bureau of Economic Research (NBER), Cambridge, MA, Faculty Research Fellow.
- Canadian Institute for Advanced Research (CIFAR), Senior Research Fellow in the Institutions, Organizations and Firms Group.
- Ontario Task Force on Competitiveness, Productivity, and Economic Progress, Board Member.
- Creative Destruction Lab, Rotman School of Management, International Trade Economist
- C.D. Howe Institute, Research Fellow and Member of the International Economic Policy Program Advisory Council
- Centre for Policy Research (CEPR), Europe
- International Growth Centre (IGC), London, England
- Research Centre for Firms and INdustry Dynamics (FIND), External Senior Fellow, Aarhus, Denmark

AWARDS AND NOTABLES

- Bank of Canada Fellowship Award, 2021-20215. (\$450,000)
- Killam Prize in the Social Sciences (Canada's 'Nobel Prize'), 2016. (\$100,000)
- Bank of Canada Fellowship Award, 2016-2021. (\$450,000)
- Canada Research Chair in Competitiveness and Prosperity, 2004-2010, renewed 2010-2017. (\$2,800,000). A program to attract and retain some of the world's most accomplished and promising minds.
- Member of the Review Committee for the Weatherhead Center for International Affairs, Harvard University, 2017.
- The 2011 Ohlin Lectures, Stockholm School of Economics.
- Noni MacDonald Award, 2010. In recognition of an author whose article in *Paediatrics & Child Health* has positively affected paediatrics.
- Innis Lecture, 2008. In recognition of contributions to economics in the broad sense in which Innis construed the subject.
- Selection Committee, Econometric Society World Congress. 2005.
- Rae Prize, 2000. Canadian Economic Association award for excellence in research.
- Harry G. Johnson Prize, 1997. For best paper of the year in the Canadian Journal of Economics.

EDITORIAL POSITIONS

- Co-Editor, *Journal of International Economics* (2005-2016).
- Editorial Board, *Journal of Economic Literature* (2011-2014).
- Editorial Advisor, *Canadian Journal of Economics* (2008-2010).

WORKING PAPERS

- “The Sinclair Effect: The Influence of Conservative Local TV News on U.S. Elections.” (With Alexander Goodwin and Yosh Halberstam.)
- “Endowments, Skill-Biased Technology, and Factor Prices: A Unified Approach to Trade.” (With Peter Morrow.) NBER Working Paper #24078 (November 2017).
- “How Do Endowments Determine Trade? Quantifying the Output Mix, Factor Price and Skill-Biased Technology Channels.” (With Peter Morrow.)
- “Trade and Innovation: The Roles of Scale and Creative Destruction” with Kevin Lim and Miaojie Yu. Winner of Best Paper on China Presented at the Canadian Economics Association Meetings, 2018.
- “Global Sourcing from Low-Wage Countries: Implications for Canadian R&D and Employment.” (With Wulong Gu and Alla Lileeva.)
- “Looking Backward, Innovating Forward: A Theory of Competitive Cascades.” (With Kevin Lim and Miaojie Yu.)
- “How Do Endowments Determine Trade? Quantifying the Output Mix, Factor Price and Skill-Biased Technology Channels.” (With Peter Morrow.)
- “Trade in AI-Enabled Digital Services: The Role of Trust.” (With Rachel Sun.)

PUBLICATIONS

- “What's the Big Idea? Multi-Function Products, Firm Scope and Firm Boundaries.” *Journal of Economic Behavior and Organization*, 180 (December, 2020):381–406. (With Mengxiao Liu.)
- “The Rents from Trade and Coercive Institutions: Removing the Sugar Coating.” *Economic Journal*, 130(630) (August, 2020): 1678–1714. (With Christian Dippel and Avner Greif.)
- “Implications of Canada’s Restrictive FDI Policies on Employment and Productivity.” *Journal of International Business Policy*, 2(2) (June 2019):142–166. (With Walid Hejazi.)
- “The China-OECD Trade Divide: Building Bridges.” *China Economic Journal*, 12 (2) (February, 2019):195–207.
- “How Artificial Intelligence Impacts International Trade.” In *The World Trade Report 2018* edited by the World Trade Organization, 2019. (With Avi Goldfarb.)

- “A Sorted Tale of Globalization: White Collar Jobs and the Rise of Service Offshoring.” *Journal of International Economics*, 118 (May, 2019): 105–122. (With Runjuan Liu.)
- “AI and Trade.” In *The Economics of Artificial Intelligence* edited by Ajay Agrawal, Josh Gans and Avi Goldfarb, NBER and University of Chicago Press, 2019.
- “Estimating Productivity Using Chinese Data: Methods, Challenges and Results.” In *World Trade Evolution: Growth, Productivity and Employment*, edited by Lili Yang Ing and Miaojie Yu, Routledge, NY, 2019, pages 229–260. (With Scott Orr and Miaojie Yu.)
- “Modernizing NAFTA: A Canadian Perspective.” Forthcoming in *A Positive NAFTA Renegotiation*, edited by Fred Bergsten, 2017, pages 36–49. Petersen Institute for International Economics. (With Wendy Dobson and Julia Tory.)
- “Capabilities, Wealth and Trade.” *Journal of Political Economy*, 124(3) (June, 2016): 826–878. (With John Sutton.)
- “Mexico and Canada Before and After NAFTA.” In *NAFTA at 20*, edited by Michael Boskin, Hoover Institution Press, 2014, pages 38–42.
- “International Trade and Institutional Change: Medieval Venice's Response to Globalization” *Quarterly Journal of Economics*, 129(2) (May 2014):753–821. (With Diego Puga.)
- “Domestic Institutions as a Source of Comparative Advantage.” In *Handbook of International Trade, Volume 4*, edited by Gita Gopinath, Elhanan Helpman, and Kenneth Rogoff. Amsterdam: Elsevier, 2014, pages 263–315. (With Nathan Nunn.)
- “Incomplete Contracts and the Boundaries of the Multinational Firm,” *Journal of Economic Behavior & Organization*, 94, (October 2013):330–344. (With Nathan Nunn.)
- “Gains From Trade When Firms Matter,” *Journal of Economic Perspectives*, 26(2) (Spring 2012):91–118. (With Marc J. Melitz.)
- “The Structure of Factor Content Predictions,” *Journal of International Economics*, 82(3) (November 2010):195-207. (With Susan Zhu.)
- “The Political Economy of Tariffs and Long-Term Growth,” *American Economic Journal: Macroeconomics*, 2(4) (October 2010): 158-194. (With Nathan Nunn.)
- “Improved Access to Foreign Markets Raises Plant-Level Productivity ... for Some Plants,” *Quarterly Journal of Economics*, 125(3) (August 2010):1051-1099. (With Alla Lileeva.)
- “Wake Up and Smell the Ginseng: The Rise of Incremental Innovation in Low-Wage Countries,” *Journal of Development Economics*, 91(1) (January 2010): 64-76. (With Diego Puga.)

- “Canadian Policy Responses to Offshore Outsourcing.” In *Offshore Outsourcing: Capitalizing on Lessons Learned*, edited by Daniel Trefler. Toronto: Rotman School of Management and Industry Canada, 2010, pages 1.1-1.30. <<http://www.rotman.utoronto.ca/offshoring/>>.
- “The New World Division of Labor.” In *Offshore Outsourcing: Capitalizing on Lessons Learned*, edited by Daniel Trefler. Toronto: Rotman School of Management and Industry Canada, 2010, pages 2.1-2.25. <<http://www.rotman.utoronto.ca/offshoring/>>. (With Elhanan Helpman.)
- “Quality is Free: A Cost-Benefit Analysis of Early Child Development Initiatives,” *Paediatrics & Child Health*, 14(10) (December 2009): 681-684. (Winner of the Noni MacDonald Award. This annual award recognizes an author whose article in *Paediatrics & Child Health* has positively affected paediatrics, such as by raising awareness of an issue, presenting new scientific research, or instigating or potentially instigating change.)
- “Innis Lecture: Canadian Policies for Broad-Based Prosperity.” *Canadian Journal of Economics*, 41(4) (November 2008): 1156-1184.
- “The Boundaries of the Multinational Firm: An Empirical Analysis.” In *The Organization of Firms in a Global Economy*, edited by Elhanan Helpman, Dalia Marin, and Thierry Verdier. Cambridge, MA: Harvard University Press, 2008, pages 55-83. (With Nathan Nunn.)
- “Sorting it Out: International Trade and Protection with Heterogeneous Workers.” *Journal of Political Economy* 115(5) (October 2007): 868-892.(With Franziska Ohnsorge.)
- “Service Offshoring: Threats and Opportunities.” In *Brookings Trade Forum 2005: Offshoring White-Collar Work*, edited by Susan M. Collins and Lael Brainard. Washington D.C.: Brookings Institution Press, 2006, pages 35-60.
- “Successful Economies, Failed Economics: What the Canada-U.S. Free Trade Agreement Teaches Us about International Economics.” In *The Macdonald Commission Report 20 Years On* edited by David Laidler and Bill Robson. Toronto: C.D. Howe Institute, 2005, pages 111-120.
- “Trade and Inequality in Developing Countries: A General Equilibrium Analysis.” *Journal of International Economics* 65 (January 2005): 21-48. (With Susan Chun Zhu.) Reprinted in:
- *The WTO and Poverty and Inequality*, edited by L. Alan Winters, Cheltenham, UK: Edward Elgar, 2007.
 - Elsevier’s Economics and Finance Journals Award for Most Cited Articles, 2005–2009.

- “The Long and Short of the Canada-U.S. Free Trade Agreement.” *American Economics Review* 94 (September 2004): 870-895.
- “Increasing Returns to Scale and All That: A View From Trade.” *American Economic Review* 92 (March 2002): 93-119. (With Werner Antweiler)
- “The Case of the Missing Trade and Other Mysteries: Reply.” *American Economic Review* 92 (March 2002): 405-410.
- “A Time to Sow, A Time to Reap: The FTA and Its Impact on Productivity and Employment.” In *Productivity Issues in Canada* edited by Someshwar Rao and Andrew Sharpe. Calgary: University of Calgary Press, 2002. Pages 537-569. (With Gary Sawchuk.)
- “Beyond the Algebra of Explanation: HOV for the Age of Technology.” *American Economic Review Papers and Proceedings*, 90(2) (May 2000): 145-149. (With Susan Zhu.)
- “Macroeconomic Dynamics Interview: Professor Elhanan Helpman.” *Macroeconomic Dynamics*, 3 (December 1999): 571-601.
- “Bargaining With Asymmetric Information in Non-Stationary Markets.” *Economic Theory*, 13 (3, 1999): 577-601.
- “Immigrants and Natives in General Equilibrium Trade Models.” In *The Immigration Debate: Studies on the Economic, Demographic, and Fiscal Effects of Immigration* edited by James P. Smith and Barry Edmonston. Washington D.C.: National Academy Press, 1998, pages 206-238.
- “Comments on Long-Term Productivity Issues’ by Rick Harris.” In *Fiscal Targets and Economic Growth* edited by Thomas J. Courchene and Thomas A. Wilson. Kingston: John Deutsch Institute for the Study of Economic Policy, 1998, pages 91-93.
- “The Labour Market Consequences of the Canada-U.S. Free Trade Agreement.” *Canadian Journal of Economics* 30 (February 1997): 18-41. (With Noel Gaston. Winner of the Harry G. Johnson Prize for best paper of the year.)
- “No Pain, No Gain: Lessons from the Canada-U.S. Free Trade Agreement.” In *Incomes and Productivity in North America*. Dallas: Bernan Press and the Commission for Labor Cooperation, 1997, pages 25-42.
- “Canada and the Asia Pacific: Views from the Gravity, Monopolistic Competition, and Heckscher-Ohlin Models.” In *The Asia-Pacific Region in the Global Economic: A Canadian Perspective* edited by Richard G Harris. Calgary: University of Calgary, 1996, pages 47-83. (With Walid Hejazi.)

- “The Case of the Missing Trade and Other Mysteries.” *American Economic Review* 85 (December 1995): 1029-1046. (Lead article.) Reprinted in:
- *Worth Series in Outstanding Contributions: International Economics* edited by E. Leamer. New York: Worth Publishers, 2001.
 - *The International Library of Critical Writings in Economics: International Trade and International Investment*, edited by Gianmarco Ottaviano, (Series Editor Mark Blaug), Edward Elgar Publishing Ltd, 2020
- “Union Wage Sensitivity to Trade and Protection: Theory and Evidence.” *Journal of International Economics* 39 (August 1995): 1-25. (Lead article, with Noel Gaston.) Reprinted in:
- *Globalization and Labor Markets*, edited by E. Kwan Choi and David Greenway. Oxford, England and Malden, Mass.: Blackwell, 2001.
- “Protection, Trade, and Wages: Evidence from U.S. Manufacturing.” *Industrial and Labour Relations Review* 47 (July 1994): 574-593. (With Noel Gaston.) Reprinted in:
- *The WTO and Poverty and Inequality*, edited by L. Alan Winters, Cheltenham, UK: Edward Elgar, 2007.
- “The Role of International Trade and Trade Policy in the Labour Markets of Canada and the United States.” *World Economy* (January 1994): 45-62. (With Noel Gaston.)
- “International Factor Price Differences: Leontief was Right!” *Journal of Political Economy* 101 (December 1993): 961-987. (Lead article.) Reprinted in:
- *Input-Output Analysis*, Volume 2, edited by H.D. Kurz, E. Dietzenbacher, and C. Lager. London: Edward Elgar Publishing, 1998.
 - *Wassily Leontief: Critical Assessments of Contemporary Economists*, edited by John Cunningham Wood and Michael McLure. New York : Routledge, 2001.
 - *Inframarginal Economics*, edited by Wai-Man Liu and Xiaokai Yang. World Scientific Publishing Co., forthcoming, Fall 2005.
- “The Ignorant Monopolist: Optimal Learning With Endogenous Information.” *International Economic Review* 34 (August 1993): 565-581.
- “Trade Liberalization and the Theory of Endogenous Protection: An Econometric Study of U.S. Import Policy.” *Journal of Political Economy* 101 (February 1993): 138-160.
- “Nontariff Barriers to Trade and Workers’ Wages.” In *Studies in Labour Economics*, edited by Erkin Bairam. London: Ashgate Publishing Ltd, 1993, pages 72-110. (With Noel Gaston.)

ON-LINE BOOKS

Offshore Outsourcing: Capitalizing on Lessons Learned edited by Daniel Trefler. Toronto: Rotman School of Management and Industry Canada, 2010. <<http://www.rotman.utoronto.ca/offshoring/>>.

OLDER WORKING PAPERS

- “Knowledge Creation and Control in Organizations.” NBER Working Paper #9121, August, 2002. (With Diego Puga.).
- “Looking Backward: How Childhood Experiences Impact a Nation’s Wealth.” Manuscript, February, 2004.
- “The Gains From Trade with Monopolistic Competition: Specification, Estimation, and Mis-specification.” NBER Working Paper #9169, September, 2002. (With Huiwen Lai.)

OTHER WRITINGS

“The Saturday Debate: Should Foreign Telecoms be Allowed into Canada?” *Toronto Star*, April 10, 2021. With Walid Hejazi. [Link](#).

“Canada’s Fear of Foreign Competition is Leaving a High Cost for Consumers.” *Globe & Mail* June 17, 2019. With Walid Hejazi. [Link](#).

“The Politics of Inequality.” Interview in *Rotman Magazine*, Fall 2017, page 94–97.

“TPP Is an Evolution, Not a Revolution, in Canada’s Journey.” *Globe & Mail* January 8, 2016 (Report on Business section). With Kevin Lynch and Tiff Macklem. [Link](#).

“Canada Should Lead Development of Clean, Renewable Energy.” *Globe & Mail* June 22, 2015 (Report on Business section). With Alan Bernstein and Ted Sargent. [Link](#).

“Canada: Oiled by Tar or Tarred by Oil.” *OpenCanada.org* April 7, 2014. [Link](#).

“The One Percent in History.” *Rotman Magazine*, Fall 2013, pages 93-96.

“Loonacy of Parity: How a Strong Dollar Weakens Canada.” *Globe & Mail* October 16, 2010, F9 (op. ed. section). (This piece received hundreds of blogs.)

Monthly column for the *Globe & Mail* (Canada’s largest-circulation national newspaper) February-June, 2009, front section.

“A Time and Place for Free Trade.” *Harvard College Economic Review*, volume II, issue 2, Spring 2008.

“Policy Responses to the New Offshoring: Think Globally, Invest Locally.” Industry Canada Working Paper Series 2006-01.

“Think Globally, Invest Locally: Responding to the Rise of Offshoring.” *Rotman Magazine*, Fall 2005, pages 42-45.

“Treating Children Well Strengthens A Nation” in *The Ottawa Citizen*, September 4, 2004.

“Looking Back: How Childhood Experiences Impact a Nation’s Wealth” in *Rotman Magazine*, Spring/Summer 2004.

“Competitiveness: A Special Series” in *The National Post, Financial Post Section*. Series editor. This is a 12-part weekly series on Canadian competitiveness. My series introduction, “Defrocking the Priests of Productivity” appeared on May 13, 2002, page FP11.

“Does Canada Need a Productivity Budget?” *Policy Options*, 20 (July-August 1999): 66-71.

“Quality vs. Quantity.” *The Globe & Mail Report on Business Magazine*, July 1999, pages 57-58.

“Canada and the Asian Pacific.” *ACS Bulletin*, Vol. 20 (Spring,1998): 11-14. Montreal: Association for Canadian Studies (With Walid Hejazi.)

“Review of *Technology and the Wealth of Nations*, edited by Nathan Rosenberg, Ralph Landau, and David C. Mowery.” *Review of International Economics* 3 (February 1995): 124-126.

OLDER MANUSCRIPTS

- “Much Ado About Nothing: American Workers and Service Offshore Outsourcing to China and India.” (With Runjuan Liu.)
- “Whose Welfare? On Stigler, Nader, and the GATT.” (With Dani Rodrik.)
- “Demand Shocks and Equilibrium Output Fluctuations in a Market with Bargaining.”
- “Life Cycle Saving and Population Aging.” *University of Toronto Working Paper Series*. (With David Foot.)

THE PRESS ON TREFLER

- Virginia Postrel, “[Economic Scene: What Happened When Two Countries Liberalized Trade? Pain, Then Gain](#),” *New York Times*, Business Section, January 27, 2005.
- Richard Ernsberger Jr., “[The Big Squeeze: A ‘second wave’ of offshoring could threaten middle-income, white-collar and skilled blue-collar jobs](#).” *Newsweek International*, May 30, 2005. (On paragraph in the cover story devoted to Trefler’s views.)
- Janice Walls, “Counting on Competition,” *Edge*, Winter 2005, Vol. 6, No. 1.
- *The Economist*, October 11, 2008. “Beyond Doha: Freer trade is under threat – but not for the usual reasons.” Cites Trefler’s work with Runjuan Liu on offshore outsourcing.
- Wall Street Staff, “[Service Outsourcing Worries ‘Much Ado About Nothing’?](#)”, *The Wall Street Journal* blog of Trefler’s work with Liu on offshore outsourcing., June 10, 2008.
- NBER Digest and the *Economist*, “A Sorted Tale of Globalization: White Collar Jobs and the Rise of Service Offshoring,” NBER Digest, March, 2012. The *Economist* (“This week’s interesting economics research”, November 9, 2011).
- “International Trade and Institutional Change: Medieval Venice’s Response to Globalization.” Listed by the *Economist* (“This week’s interesting economics research”, August 15, 2012). This paper was also reviewed by Bill Gates as part of his review of “Why Nations Fail” by Acemoglu and Robinson and by Chrystia Freeland as part of her book “Plutocrats: The Rise of the New Global Super-Rich and the Fall of Everyone Else.”
- “[The Killam Prize](#).” A feature interview on the CBC show *Ideas* about my research on the politics of inequality. The show was originally broadcast on May 20, 2016 and has since been rebroadcast multiple times. (Segment begins in minute 10:15.)
- “[The Local Voices of Globalization](#)” is a glossy interview with Trefler sponsored by Research2Reality. October 18, 2016.
- “[从威尼斯到华尔街：美国梦只是一个梦，从未实现！](#)” is coverage of a public lecture on inequality I gave in Beijing.
- “[Can Creative Destruction Bring Prosperity for All?](#)” is a series of interviews with Trefler, Acemoglu, and Aghion. February 7, 2017.
- [Minds of Many Feathers Stick Together](#) is a related series of interviews on the value of interdisciplinary research. March 28, 2017.
- [China poised to take lead in artificial intelligence race](#) in *The Globe and Mail*, May 17, 2018 discusses Trefler’s work on AI.
- [From prediction to reality: Ontario’s AI opportunity](#) is a glossy policy piece which described the implications of AI for the Ontario economy. The piece was advised and guided by Daniel Trefler and Avi Goldfarb.

- The WTO's World Trade Report 2018 extensively cites Goldfarb and Trefler's research on AI. In addition it includes an opinion piece by Goldfarb and Trefler entitled [How Artificial Intelligence Impacts International Trade](#).

RECENT PUBLIC POLICY LECTURES

- "The Economic Implications of COVID-19." April 3, 2019, Rotman Webinar.
- "Pandemic Protectionism: The Global Trade Impact of COVID-19." May 8, 2020, Rotman Webinar.
- Beijing Forum 2019, Beijing, "The Death of the WTO." November 2, 2019
- Eric J. Hanson Memorial Lecture, University of Alberta, Edmonton, "Populism, Inequality and Globalization." September 30, 2019.
- Bank of Canada Fellowship Lecture, Canadian Economic Association Meetings, Montreal, "Chinese Innovation and its Impact on Canadian Innovation: The Role of Scale and Competition." June 2, 2018.
- Cadario Public Lecture: Isabel Bader Theatre, Toronto, "Populism and Globalization: From the Rialto to Wall Street." April 5, 2018.
- Keynote Lecture: Rocky Mountain Empirical Trade Conference, Banff, Alberta, Canada: "Chinese Innovation and the Future of International Competition." May 20, 2017.
- 18th Rotman Lifelong Learning Conference, University of Toronto: "The History of the 1%: From the Rialto to Wall St." May 27, 2016.
- The Fredric B. Garonzik '64 Lecture at the William R. Rhodes Center for International Economics and Finance, Brown University, Providence, RI. "The Rise of the 1%: From the Rialto to Wall Street." April 27, 2015.
- The Annual Sylvia Ostry Lecture and Luncheon: "International Trade, Innovation and Productivity." October 23, 2012.
- The 2011 Canada Seminar, the Weatherhead Center of Harvard University: "An Agenda for Broad-Based Canadian Prosperity"
- The 2011 Ohlin Lectures, Stockholm School of Economics: "International Trade and Institutional Dynamics"
- The 2009 Council for Early Child Development Conference, Memorial University: "Quality is Free: A Cost-Benefit Analysis of Early Child Development Initiatives"
- The 2009 Eldon D. Foote Lecture in International Business and Trade, University of Alberta School of Business: "Of Dragons and Elephants: Responding to the Rise of China and India"
- The 2008 Jefferson Lecture, Darden School of Management, University of Virginia: "Understanding Free Trade."

- The 2008 Innis Lecture, Canadian Economic Association Meetings: “Policies for Canadian Prosperity.”
- Keynote Lecture, 2007 Socio-Economic Conference, Statistics Canada, Ottawa: “An Agenda for Canadian Prosperity”

GRANTS

2021-2026	Bank of Canada Fellowship Award. “International Trade in a Macroeconomic Context.” (\$450,000)
2021-2026	Social Sciences and Humanities Research Council of Canada (SSHRC), “Artificial Intelligence and International Trade” (\$157,240).
2020-2021	Global Affairs Canada. "Rethinking the World Rules-Based Global Trading System." (\$40,000).
2016-2021	Bank of Canada Fellowship Award. “International Trade in a Macroeconomic Context.” (\$200,000)
2016-2021	Social Sciences and Humanities Research Council of Canada (SSHRC), “How We Compete: Canadian Firms Responding to the Rise of the Chinese Economy” (\$158,682).
2017-2019	Canadian Institute for Advanced Research (CIFAR), “Political Economy of Trade and U.S. Elections,” with Guido Tabellini (Bocconi) and Torsten Persson (Stockholm University). (\$6,000)
2017-2020	Social Sciences and Humanities Research Council of Canada (SSHRC), “The Complex Relationship between International Trade and the Domestic Labor Market,” collaborator. (PI: Runjuan Liu)
2016-2019	Social Sciences and Humanities Research Council of Canada (SSHRC), “The Effect of Factor Biased Technology and Endowments on International Trade and Income Differences,” collaborator. (PI: Peter Morrow)
2011-2014	Social Sciences and Humanities Research Council of Canada (SSHRC), “The Complex Integration Strategies of Multinational Corporations” (\$187,239), April 2011–March 2014. (Number 1 ranked proposal.)
2010	Desautels Centre for Integrative Thinking, “The Complex Integration Strategies of Multinational Firms” (\$25,000) March 2009.
2009-2010	Social Sciences and Humanities Research Council of Canada (SSHRC), “International Trade, Inequality, and Institutional Change” (\$68,799), March 2009–February 2010. Collaborators: Avner Greif (Stanford).
2008-2011	Social Sciences and Humanities Research Council of Canada (SSHRC),

“Global Sourcing and Capability Building: Threats and Opportunities for Canada” (\$83,000).

2006 Organizer for the Industry Canada-sponsored conference: “Offshore Outsourcing: Capitalizing on Lessons Learned.” (\$35,000)

2004-2007 Social Sciences and Humanities Research Council of Canada (SSHRC)
“International Trade and Domestic Institutions.” (\$135,000).

2000-2003 Social Sciences and Humanities Research Council of Canada (SSHRC)
“International Trade as if People Matter.” Ranked 3th overall. (\$66,000).

1997-1998 Honorary Connaught Fellowship

1996-1999 National Science Foundation (NSF)
“International Productivity Differences: A Nested Test of Increasing Returns to Scale Models.” (\$250,000).

1996-2000 Social Sciences and Humanities Research Council of Canada (SSHRC)
“The Factor Content of Trade and Evolving International Differences in Economic Structure.” Ranked 4th overall. (\$66,000).

1993-1996 Social Sciences and Humanities Research Council of Canada (SSHRC)
“Labour Market Consequences of the Canada-United States Free Trade Agreement.” (\$50,000)

1992-1994 Ford Foundation
“Centers in International Economics and Economic Development” (\$10,000)

1992-1994 Tinker Foundation
“Dealing with the Changing International Economic Environment: The Labour Market, Income Distribution and Industrial Structure in Latin America” (\$5,000)

1991-1993 Social Sciences and Humanities Research Council of Canada (SSHRC)
General Research Grant: “Wages and Protection: The Econometric Evidence” (\$3,000)

1990-1991 Social Sciences and Humanities Research Council of Canada (SSHRC)
Grant-in-Aid: “The Effect of Restrictive Trade Policies on Labour Earnings: An Empirical Study” (\$750)

1989-1991 Connaught Foundation
New Staff Grants / Phase I: “Nontariff Barriers to Trade: Determinants and Impacts” (\$10,000)

1987-1988 Sloan Foundation Scholarship in International Economics

1986-1987 UCLA Departmental Scholarship

1985-1986	Social Sciences and Humanities Research Council of Canada (SSHRC) Fellowship Earhart Foundation Scholarship
1984-1985	Social Sciences and Humanities Research Council of Canada (SSHRC) Fellowship Teaching Assistantship
1983-1984	University Fellow; FREE Prize; Getty Oil Award
1982-1983	Distinguished Scholar For Academic Excellence (Cambridge)
1981-1982	Faculty Scholar (Toronto); First Alexander Mackenzie Scholarship in Economics; Second Norman Alexander McLarty Scholarship in Economics; Teaching Assistantship
1980-1981	Teaching Assistantship
1979-1980	Frank G. Gardiner Scholarship in Economics Second Norman A. McLarty Scholarship in Political Science

SUPERVISION OF PH.D. STUDENTS (* indicates committee chair)

1. *Werner Antweiler (1995), tenured at the Sauder School of Business, University of British Columbia.
2. *Huiwen Lai (1999), started at the SAS Institute, currently at the Hong Kong Polytechnic University.
3. *Peter Berezin (2000), International Monetary Fund.
4. *Franziska Ohnsorge (2001), International Monetary Fund.
5. *Susan Chun Zhu (2001), tenured at the Department of Economics, Michigan State University.
6. *Alla Lileeva (2005), tenured at the Department of Economics, York University (Toronto).
7. *Angela No (2005), started at Carnegie-Mellon University.
8. *Nathan Nunn (2005), started at UBC, now at the Department of Economics, Harvard University.
9. *Runjuan Liu (2007), tenure track at the School of Business School, University of Alberta.
10. Debbie de Lange (2008).
11. Brian McCaig (2009), started at ANU, now tenured at Wilfrid Laurier University.
12. Hankook Kim (2009), Industry Canada.
13. Lijun Zhang (2009), tenure track, University of Victoria
14. *Joel Blit (2009), started at Georgetown University, now tenured at the University of Waterloo.
15. *Christian Dippel (2011), tenure track at the Anderson School of Management, UCLA.
16. *Leilei Shen (2011), tenured at Kansas State University.
17. *Leo Karasik (2014).
18. *Michelle Liu (2017), tenure track at University of Syracuse.

19. *Leandro Freylejer (2018), tenure track, UNBC.
20. *Nicholas Gendron-Carrier (2018), tenure track, McGill University.
21. *Patrick Scott Orr (2018), tenure track, Sauder School of Management, University of British Columbia.
22. *Genet Zinabou (2019), IMF.
23. *Swapnika Rachapalli, currently working to complete her Ph.D.
24. *Torsten Jaccard, currently working to complete his Ph.D.