#### Scott Stern

David Sarnoff Professor of Management
Chair, Technological Innovation, Entrepreneurship, and Strategic Management Group
MIT Sloan School
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Cambridge, MA 02142

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#### **EDUCATION**

PhD in Economics, Department of Economics, Stanford University, 1996 BA, Economics, New York University, 1990, Graduated with Honors London School of Economics, International Summer Program, 1989

#### PRIMARY FIELDS

Economics of Innovation Economics of Entrepreneurship Strategy Industrial Organization

#### PRIMARY UNIVERSITY APPOINTMENTS

David Sarnoff Professor of Management, 2013 – present. Chair, Technological Innovation, Entrepreneurship, and Strategic Management Group.

School of Management Distinguished Professor, MIT Sloan School, 2010 – 2013.

Visiting Professor, MIT Sloan School, 2009-2010.

Joseph and Carole Levy Professor of Management and Strategy, Kellogg School of Management, Northwestern University, 2009-2010

Associate Professor (with Tenure), Department of Management and Strategy, Kellogg School of Management, Northwestern University, 2004-2009.

Associate Professor, Department of Management of Strategy, Kellogg School of Management, Northwestern University, 2001-2004

Mitsubishi Career Development Assistant Professor, MIT Sloan School, 1999 –2001.

NTU Career Development Assistant Professor, MIT Sloan School of Management, 1998 – 1999.

Assistant Professor, MIT Sloan School of Management, 1995 – 1998.

#### PROFESSIONAL AWARDS

Recipient, Ewing Marion Kauffman Prize Medal for Distinguish Research in Entrepreneurship, ASSA Meetings, 2005.

### EXTERNAL PROFESIONAL ACTIVITIES AND APPOINTMENTS (EXC EDITORIAL)

Director, NBER Innovation Policy Group, 1999 - present.

Research Associate, National Bureau of Economic Research, 2004 – present.

Faculty Research Fellow, National Bureau of Economic Research, 1996 – 2004.

Appointed within Productivity, Industrial Organization, and Health & Aging Programs.

Fellow, Strategy Research Initiative, 2011-present.

Advisory Board, Social Progress Imperative, 2012 – present.

Board of Advisors, CCC Doctoral Consortium, 2013 – present.

Scientific Board, IMT Lucca School for Advanced Studies, 2005 – present.

Consulting Researcher, Microsoft Research, 2012-2014.

Member, Committee on Copyright in the Digital Era, Science, Technology and Economic Policy Board, National Academy of Sciences, 2011 – 2013.

International Board of Assessors, Intellectual Property Research Institute of Australia, University of Melbourne, 2004 – 2011.

Board of Management, International Schumpeter Society, 2004 – 2009.

Member, Committee on the Future of Supercomputing, Computer Science and Telecommunications Board, National Academy of Sciences, 2003 – 2005.

Non-Resident Senior Fellow, Economic Studies, Brookings Institution, 2001-2003. Visiting Fellow, Economic Studies, Brookings Institution, 2001.

Health & Aging Fellow, National Bureau of Economic Research, 1999 –2000.

#### MIT PROFESIONAL ACTIVITIES AND APPOINTMENTS

Faculty Director, MIT Regional Entrepreneurship Acceleration Program, 2012 – present.

Trust Center for MIT Entrepreneurship, Faculty Affiliate, 2010 – present.

Faculty Advisory Committee, MIT Innovation Initiative, 2013 – present.

MIT Sloan MBA Policy Committee, 2012 – present.

MIT Sloan Fellows and Executive MBA Committee, 2011 – present.

MIT Committee on Educational Technology (MITCET), 2010 – 2012.

PhD Recruitment, Management of Technology & Innovation, MIT Sloan School, 1996–2001.

Undergraduate Advisor, MIT Sloan School, 1996-2001.

#### **EDITORIAL ACTIVITIES**

Co-Editor, *Innovation Policy and the Economy*, 2001 – present.

Associate Editor, Journal of Industrial Economics, 2007 – present.

Associate Editor, International Journal of Industrial Organization, 2005 – present.

Associate Editor, *Industrial and Corporate Change*, 2009 – present.

Associate Editor, Management Science,

Technological Innovation and Entrepreneurship Section, 2004 – 2010. Business Strategy Section, 2001 – 2008.

Guest Editor, Journal of Economics and Management Strategy, Special Issue on Entrepreneurship: Strategy and Structure (with Thomas Hellman), 2009.

Scientific Committee, FTC Microeconomics Conference, 2008 – 2009.

Guest Editor, Journal of Economic Behavior and Organization, Special Issue on Academic Entpreneurship: Dual Engines of Growth, (with Marie Thursby, Josh Lerner, and Adam Jaffe), 2007.

Associate Editor, Journal of Business and Economic Statistics, 2005 – 2008.

Program Committee, International Industrial Organization Conference of the Industrial Organization Society, 2004 – 2006.

Contributing Editor, *Antitrust Law Journal*, 2005 – 2008.

Co-Organizer (with Shane Greenstein), NBER Universities Research Conference, Competition and Organization in Technology-Intensive Industries, December, 1997.

#### NORTHWESTERN AFFILIATIONS, COMMITTES AND SERVICE

Senior Fellow, Searle Center on Law, Regulation and Economic Growth, 2007 – 2010.

Affiliate, Center for the Study of Industrial Organization, January 2002 – 2010

Research Director, Kellogg Biotechnology Center, 2004 – 2008.

Affilitated Kellogg Program Faculty:

Entrepreneurship, Biotechnology, and Health Industry Management (HIM)

Co-Convenor (with Yael Hochberg), Entrepreneurship and Innovation Seminar, 2005 – 2010.

Kellogg Student Affairs and Activities Committee, 2004 – 2006.

Editorial Advisory Board, Kellogg Biotechnology Review, 2002-2003.

# RESEARCH FUNDING

1998-2000

1996-8

		110
4	2014-current	Roberts, Hammond and Krasner Fund, <i>Nowcasting and Placecasting Growth Entrepreneurship</i> , (with Jorge Guzman)
4	2011-current	NSF R01 Science for Science Policy Grant, <i>The Industrial Organization of the Biologics Industry: Theory, Empirics and Policy,</i> " (with Fiona Scott Morton)
4	2010-current	NBER Economics of Digitization and Copyright, Sloan Foundation, (with Shane Greenstein and Josh Lerner), \$980,000.
2	2010-current	Department of Commerce EDA Grant, <i>Mapping Regional Clusters</i> (with Michael E. Porter, Mercedes Delgado, Christian Ketels, Fiona Murray, and collaborators).
2	2004-current	Kauffmann Grants for NBER Innovation Policy and the Economy Program, including partial sponsorship of annual DC conference, summer meetings, postdoctoral program, research grants and occasional specialized conferences (with J. Lerner), Current 5 year grant of \$2,000,000+.
4	2010	Center for Biomedical Innovation, MIT, Sloan Foundation Grant on <i>Globalization of Biopharmaceutical Manufacturing</i> , ~ \$250,000 (with Jeff Macher, Stacy Springs, Anthony Sinskey, and other researchers).
2	2007	NSF R01 Science for Science Policy Grant, <i>The Impact of Science Policy on the Rate &amp; Direction of Scientific Discovery</i> (with J. Furman and F. Murray), \$398,655.
4	2007	Searle Center Research Grant, <i>The Impact of Patents on Scientific Research</i> , \$70,000.
2	2000	National Academy of Sciences Research Grant, Initiative on Intellectual Property in the Knowledge-Based Economy, <i>Patent Examiner Productivity and Quality</i> (joint with I. Cockburn and S. Kortum), \$7500.
	1999	NBER Health and Aging Fellowship, \$50,000.

MIT Center for Innovation and Product Development, Contracting versus

MIT Program on the Pharmaceutical Industry, Assessing the Patient Welfare

Competition: The Two Faces of Appropriability (with J. Gans).

Gains from Pharmaceutical Innovation (with. M. Trajtenberg).

MIT Sloan School Dean's Creative Research Award, *An Empirical Framework for Testing Theories About Complementarity in Organizational Design* (with S. Athey).

1996 Pfizer Pharmaceuticals, Assessing the Patient Welfare Gains from Pharmaceutical Innovation, (with M. Trajtenberg)

MIT ICRMOT Research Grant, Competition, Product Differentation, and the Incentives for Innovation in the Personal Computer Industry (with T. Bresnahan and M. Trajtenberg).

1993-1994 Lynde and Harry Bradley Foundation Fellowship, Stanford University.

1992 Research Fellow, Stanford Center on Conflict and Negotiation

1990 Mary Louise Bailey Award in Economics, 1990, New York University

#### DISSERTATION

Title: Product Competition in High-Technology Industries

Primary Advisor: Timothy F. Bresnahan

Other Advisors: Nathan Rosenberg, Manuel Trajtenberg, Frank Wolak University: Department of Economics, Stanford University, 1996.

#### **PUBLICATIONS**

#### **Articles in Refereed Journals**

- 1. "Defining Clusters of Related Industries," (with M. Delgado and M.E. Porter), *Journal of Economic Geography*, forthcoming.
- 2. "Where is Silicon Valley?" (with J. Guzman), Science, 2015.
- 3. "Intellectual Property and the Evolution of Scientific Journals as Knowledge Platforms," (with F. Murray and D. Fehder), *International Journal of Industrial Organization*, 2014.
- 4. "Clusters, Convergence, and Economic Performance" (with M.E. Porter and M. Delgado), *Research Policy*, 2014.
- 5. "Grand Innovation Prizes: A Theoretical, Normative, and Empirical Evaluation," (with F. Murray, G. Campbell, and A. McCormack), *Research Policy*, 2012..
- 6. "Growing Stem Cells: The Impact of the Bush Stem Cell Policy on the Geography of Scientific Discovery," (with J. Furman and F. Murray), *Journal of Policy Analysis and Management*, 2012.
- 7. "Climbing Atop the Shoulders of Giants: The Impact of Institutions on Cumulative Knowledge Production," (with J. Furman), *American Economic Review*, 2011.
- 8. "The Public and Private Sectors in the Process of Innovation: Theory and Evidence from the Mouse Genetics Revolution," (with P. Aghion, M. Dewatripont, J. Kolev, and F. Murray), *American Economic Review Papers and Proceedings*, 2010.
- 9. "Clusters and Entrepreneurship," (with M. Delgado and M.E. Porter), *Journal of Economic Geography*, 2010.
- 10. "Is There a Market for Ideas?" (with J. Gans), Industrial and Corporate Change, 2010.
- 11. "Disclosure or Secrecy?: The Dynamics of Open Science," (with A. Mukherjee), *International Journal of Industrial Organization*, 2009.
- 12. "Complementarity Among Vertical Integration Decisions: Evidence from Automobile Product Development," (with S. Novak), *Management Science*, 2009.
- 13. "How Does Outsourcing Affect Performance Dynamics? Evidence from the Auto Industry," (with S. Novak), *Management Science*, 2008.
- 14. "The Impact of Uncertain IP Rights on the Market for Ideas: Evidence from Patent Grant Delays," (with J. Gans and D. Hsu), *Management Science*. 2008.
- 15. "Do Formal Intellectual Property Rights Hinder the Free Flow of Scientific Knowledge?: An Empirical Test of the Anti-Commons Hypothesis," (with F. Murray), *Journal of Economic Behavior and Organization*, 2007.

- 16. "Do Scientists Pay to Be Scientists?" Management Science, 2004.
- 17. "When Does Funding Research by Smaller Firms Bear Fruit?: Evidence from the SBIR," (with J. Gans), *Economics of Innovation and New Technology*, 2003.
- 18. "The Product Market and the Market for Ideas: Commercialization Strategies for Technology Entrepreneurs," (with J. Gans), *Research Policy*, 2003.
- 19. "When Does Start-up Innovation Spur the Gale of Creative Destruction?," (with J. Gans and D. Hsu), *RAND Journal of Economics*, 2002.
- 20. "The Impact of Information Technology on Emergency Health Care Outcomes," (with S. Athey), *RAND Journal of Economics*, 2002.
- 21. "The Determinants of National Innovative Capacity," (with J. Furman and M.E. Porter), *Research Policy*, 2002.
- 22. "Innovation: Location Matters," (with M.E. Porter), *Sloan Management Review*, Summer 2001. Reprinted in *Innovation: Driving Product, Process, and Market Change* ed. Edward B. Roberts, Jossey-Bass.
- 23. "Untangling the Origins of Competitive Advantage," (with I. Cockburn and R. Henderson), Strategic Management Journal, 2000. Reprinted in The Strategic Management Society Blackwell Handbook of Organizational Capabilities: Emergence, Development and Change ed. Constance E. Helfat, Blackwell Publishers.
- 24. "Innovation Incentives, Compatibility, and Expropriation as an Antitrust Remedy: The Legacy of the Borland/Ashton-Tate Consent Decree," (with C. Fazio) *Antitrust Law Journal*, 2000.
- 25. "Incumbency and R&D Incentives: Licensing the Gale of Creative Destruction," (with. J. Gans), *Journal of Economics and Management Strategy*, 2000.
- 26. "Market Segmentation and the Sources of Rents from Innovation: Personal Computers in the Late 1980s," (with T. Bresnahan and M. Trajtenberg), *RAND Journal of Economics*, 1997.
- 27. "Urban Productivity and Factor Growth in the Late Nineteenth Century," (with R. Bostic and J. Gans), *Journal of Urban Economics*, 1996.

#### Refereed Books

- 28. The Rate and Direction of Inventive Activity Revisited, (Edited with Josh Lerner), University of Chicago Press, 2012.
- 29. Biological Resource Centers: Knowledge Hubs for the Life Sciences, Brookings Institution, 2004.

#### **Book Reviews**

30. *The Invention of Enterprise*, edited by W. Baumol, D. Landes and J. Mokyr. Review coauthored with M. Bikard. *Journal of Economic Literature*, 2011.

# **Refereed Committee Reports**

- 31. Copyright in the Digital Era (Committee Member), National Academy of Sciences, 2013.
- 32. Getting Up to Speed: The Future of Supercomputing (Committee Member), National Academy of Sciences, 2004.
- 33. The Future of Supercomputing: An Interim Report, (Committee Member), National Academy of Sciences, 2003.

#### **Articles in Non-Refereed Publications**

- 34. "The Nature and Incidence of Software Piracy," (with S. Athey), in *Economics of Digitization*, edited by A. Goldfarb, S. Greenstein and C. Tucker, NBER Volume, forthcoming.
- 35. "Digitization, Innovation and Copyright: What is the Agenda?" *Strategic Organization*, Editorial Essay, (with S. Greenstein and J. Lerner), 2013.
- 36. "Why was *Rate and Direction* so Important? Reflections for the NBER 50<sup>th</sup> Anniversary Conference in Honor of *The Rate and Direction of Inventive Activity*," (with N. Rosenberg), 2012.
- 37. "More for the Research Dollar," (with J. Furman and F. Murray), *Nature*, 2010.
- 38. "Finding the Endless Frontier: Lessons from Life Sciences for the Energy Innovation System," (with I. Cockburn and J. Zausner), *Accelerating Energy Innovation: Lessons from Multiple Sectors*, edited by R. Henderson, NBER volume, 2010.
- 39. "Moving to a New Global Competitiveness Index," (with M.E., Porter, C. Ketels and M. Delgado," *Global Competitiveness Report 2008*, World Economic Forum, 2008.
- 40. "The Globalization of Biotechnology: Science-Driven Clusters in a Flat World," (with A. Loffler and R. Hermans), *National Academies STEP Project on Globalization*, 2008.
- 41. "When Ideas are Not Free: The Impact of Patents on Scientific Research," (with F. Murray), *Innovation Policy and the Economy*, 2007.
- 42. "Economic Experiments: The Role of Entrepreneurship in Economic Prosperity," Kauffman Foundation Thoughtbook, 2005.
- 43. "All Are Patent Examiners Equal?: Examiners, Patent Characteristics and Litigation Outcomes," (joint with I. Cockburn and S. Kortum), *Intellectual Property in the Knowledge-Based Economy*, National Academy of Sciences, 2003.

- 44. "Managing Ideas: Commercialization Strategies for Biotechnology," (with J. Gans), *ICFAI Journal of Intellectual Property Rights*, 2003.
- 45. "Ranking National Innovative Capacity: Findings from the National Innovative Capacity Index," (with M. Porter), *Global Competitiveness Report 2003*.
- 46. "Biological Resource Centers: An Economic Perspective," *Biological Resource Centers: From Concept to Reality,* American Type Culture Collection, 2003.
- 47. "The Impact of Location on Innovation: Findings from the National Innovative Capacity Index," (with M. Porter), *Global Competitiveness Report 2002*.
- 48. "National Innovative Capacity," (with M. Porter), Global Competitiveness Report 2001.
- 49. "Patient Welfare and Patient Compliance: An Empirical Framework for Measuring the Benefits of Pharmaceutical Innovation," (with P. Ellickson and M. Trajtenberg), *Medical Care Output & Productivity*, NBER/CRIW Conference volume, 2001.
- 50. "The Adoption and Impact of Advanced Emergency Response Services," (with S. Athey), *The Economics of Non-Profit Hospitals*, NBER Volume, 2000.
- 51. "The Drivers of National Innovative Capacity: Implications for Spain and Latin America," (with M. Porter and J. Furman), *Keys to the World Economy*, 2000.
- 52. "Understanding the Determinants of National Innovative Capacity: Implications for Central European Economies" *Wirtschaftspolitische Blaetter*, 2000.
- 53. "Understanding the Drivers of National Innovative Capacity," (with M. Porter and J. Furman), *Academy of Management Best Papers in Proceedings*, 2000.
- 54. "Information Technology and Training in Emergency Call Centers," *Industrial Relations Research Association Papers and Proceedings*, June 1999.
- 55. "Incentives and Focus In University and Industrial Research: The Case of Synthetic Insulin," *The University-Industry Interface and Medical Innovation*, edited by Annetine Gelijns and Nathan Rosenberg, Institute of Medicine, National Academy Press, 1995.

#### **Non-Refereed Monographs**

- 56. Assessing Australia's Innovative Capacity in the 21<sup>st</sup> Century, (with J. Gans), Australian Institute for Commercialization, 2003.
- 57. The New Challenge to America's Prosperity: Findings from the Innovation Index, (with Michael E. Porter), Council on Competitiveness, 1999.

#### **Edited Volumes**

- 58. *Innovation Policy and the Economy*, Vol. 1-14, National Bureau of Economic Research, 2001-present.
- 59. *The Rate and Direction of Inventive Activity Revisited*, 2012.

#### **Publications Under Submission or Revision for Refereed Journals**

- 1. "Of Mice and Academics: Examining the Effect of Openness on Innovation," (with P. Agion, M. Dewatripont, F. Murray and J. Kolev), revision re-submitted to *American Economic Journal: Policy*.
- 2. "Clusters and Regional Performance," (with M. Delgado and K. Zouli), under submission.
- 3. "The Determinants of National Competitiveness," (with M.E. Porter, M. Delgado and C. Ketels,), under submission.

## **Working Papers Under Preparation for Submission**

- 4. "Nowcasting and Placecasting Growth Entrepreneurship," (with J. Guzman), mimeo, 2014.
- 5. "Control Versus Execution: Endogenous Appropriability and Entrepreneurial Strategy," (with K. Ching and J. Gans), mimeo, 2014.
- 6. "Biosimilars: Theory, Policy and Empirics," (with F. Scott Morton and A. Stern), mimeo, 2014.
- 7. "Entrepreneurs Need Strategy," (with J. Gans and F. Murray), 2014.
- 8. "Choosing an Entrepreneurial Strategy," (with J. Gans and F. Murray), 2014.
- 9. "Patents, Papers, and Secrecy: Contracting over the Disclosure of Scientific and Commercial Knowledge," (with J. Gans and F. Murray), under revision for submission, 2013.

## White Papers and Older Working Papers Available on Request

- 1. "The Economics of Digitization and Copyright: Theoretical and Measurement Challenges," (with M. Zhang), White Paper for Sloan Foundation, 2010.
- 2. "When Do Patents Encourage Disclosure?" (with J. Gans), mimeo, 2010.
- 3. "Learning to Live with Patents: A Dynamic Model of a Knowledge Community's Response to Legal Institutional Change," (with F. Murray), 2008.
- 4. "The Biotechnology Industry: A Framework for the Evaluation of Occupational Categories and Industry Structure," NORC Report for the Bureau of Labor Statistics, 2005.

- 5. "An Empirical Framework for Testing Theories about Complementarity in Organizational Design," (with S. Athey), NBER WP 6600.
- 6. "Balancing Incentives in Pharmaceutical Research," (with R. Henderson and I. Cockburn), NBER WP 6882.
- 7. "The Diffusion of Science-Driven Drug Discovery: Organizational Change in Pharmaceutical Research," (with R. Henderson and I. Cockburn), NBER WP 7359.
- 8. "Measuring the Ideas Production Function: Evidence from International Patent Output," (with M.E. Porter) NBER WP 7891.
- 9. "Empirical Implications of Physician Authority in Pharmaceutical Decisionmaking," (with M. Trajtenberg), NBER WP 6851. "Market Definition and the Returns to Innovation: Substitution Patterns in Pharmaceutical Markets," MIT POPI Working Paper, December, 1996.
- 10. "Incentives and Knowledge in Organizational and Technological Change: The Case of Drug Discovery in the 1980s," MIT POPI Working Paper, December, 1996.
- 11. "Assessing America's Research Intensive Sector," (with G. Wright), mimeo, Stanford University, July, 1994.

#### SUBJECTS TAUGHT AT MIT SLOAN SCHOOL

15.911 Entrepreneurial Strategy

15.900 Competitive Strategy (MBA)

15.714 Competitive Strategy (EMBA)

15.399 Entrepreneurship Lab

15.390 New Enterprises

15.964 Economics of Ideas, Innovation, and Entrepreneurship (Doctoral)

15.351 Introduction to Technological Innovation Management

15.932 Technology Strategy

15.949 The Use of Economics and Econometrics in BPS Research (Doctoral)

15.968 Explaining Heterogeneity in Firm Performance (Doctoral)

15.971Economic and Strategic Analysis of High-Technology Industries (Doctoral)

#### SUBJECTS TAUGHT AT KELLOGG

MGMT 463 Management of Innovation

MECS 477 Applied Econometrics II (Doctoral)

#### AD HOC DOCTORAL TEACHING

Entrepreneurial Strategy, NBER Entrepreneurship Boot Camp, 2008-present.

Applied Econometrics for Research in the Economics of Innovation, European Science Days, Steyr, Austria, July 2006.

Introduction to Applied Econometrics, IMT Lucca, July, 2005.

# **EXECUTIVE EDUCATION (OFFERED AT VARIOUS TIMES)**

Entrepreneurial Strategy

Commercialization Strategy

Commercialization Strategy for IP Managers

Managing Science-Based Organizations

Intrapreneurship

Competitive Strategy

# **DOCTORAL THESIS SUPERVISION (COMPLETED)**

Name	Program	Supervisory Role
Kenny Ching	MIT Sloan	Thesis Advisor
Michael Bikard	MIT Sloan	Thesis Advisor
Jason O'Connor	Northwestern Econ	Thesis Advisor
Priscillia Madeira	Kellogg MECS	Thesis Advisor
Seongwuk Moon	Kellogg MECS	Thesis Advisor
Eugene Orlov	Northwestern Econ	Thesis Advisor
Jeff Prince	Northwestern Econ	Thesis Advisor
Joshua Nixt	Northwestern Econ	Thesis Advisor
Kwanghui Lim	MIT Sloan	Thesis Advisor
David Hsu	MIT Sloan	Thesis Advisor
Paul Ellickson	MIT Economics	Thesis Advisor
Margaret Kyle	MIT Economics	Thesis Advisor
Mara Berman	MIT Economics	Thesis Advisor
Ariel Stern	Harvard Kennedy School	Committee Member
Pian Shu	MIT Economics	Committee Member
Hellen Kim	MIT Sloan	Committee Member
Philip Anderson	MIT Sloan	Committee Member
Kristina McElheran	Kellogg MECS	Committee Member
Min Chen	Kellogg MECS	Committee Member
Joao Macieria	Northwestern Econ	Committee Member
Mercedes Delgado	Universidad Madrid	Committee Member
Douglas Frank	Kellogg MECS	Committee Member
Jeff Furman	MIT Sloan	Committee Member
Pierre Azoulay	MIT Sloan	Committee Member
Annabelle Gawer	MIT Sloan	Committee Member
Michael Chiu	MIT Mech. Eng. Doctoral	Committee Member
Alvaro Cuervo	MIT Sloan	Committee Member
Steven White	MIT Sloan	Committee Member
Pek-Hooi Soh	MIT Sloan	Committee Member
Luis Lopez	MIT Sloan	Committee Member

## **DOCTORAL THESIS SUPERVISION (ANTICIPATED)**

Program	Supervisory Role
MIT Sloan	Thesis Advisor
MIT Sloan	Thesis Advisor
MIT Sloan	Thesis Advisor
MIT Sloan	Committee Member
HBS TOM	Committee Member
MIT Sloan	Advisor
	MIT Sloan MIT Sloan MIT Sloan MIT Sloan MIT Sloan HBS TOM MIT Sloan MIT Sloan MIT Sloan

#### PROFESSIONAL MEMBERSHIPS

Research Associate, National Bureau of Economic Research Fellow, Strategy Research Initiative Member, American Economic Association Member, Academy of Management

#### REFEREEING

American Economic Review

Quarterly Journal of Economics

Journal of Political Economy

Review of Economic Studies

Rand Journal of Economics

Management Science

Journal of Economics and Management Strategy

Journal of Industrial Economics

Review of Economics and Statistics

Journal of Health Economics

Research Policy

European Economic Review

Economics of Innovation and New Technology

Journal of Econometrics

Journal of Business and Economic Statistics (Guest Associate Editor)

Journal of Legal Studies

*LABOUR* 

Financial Management

National Science Foundation

National Science Foundation (SBIR Proposal Review)

#### **ACTIVE WORKSHOP PARTICIPATION**

MIT TIES Seminar

NBER Productivity Lunch

MIT Applied Microeconomics Workshop

# CONSULTING ACTIVITIES (COMPLETED)

Federal Trade Commission	1/10 - 7/10
Bureau of Labor Statistics	11/04 - 3/05
Brookings Institution	9/00-6/03
Economist's Advocate	1/00
Council on Competitiveness	1/98 - 3/99
AG Economics, Cambridge, MA	12/95 - 3/96
Institute for the Future, Menlo Park, CA	4/94 - 8/94