

RICHARD T. THAKOR

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CURRENT POSITIONS

UNIVERSITY OF MINNESOTA, Carlson School of Management
Minneapolis, MN
Assistant Professor of Finance

July 2016 – Present

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (M.I.T.)
Sloan School of Management
Cambridge, MA
Ph.D. Financial Economics, June 2016

September 2010 – June 2016

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (M.I.T.)
Cambridge, MA
M.S. Management Research, June 2015

LONDON SCHOOL OF ECONOMICS (LSE)
London, United Kingdom
M.Sc. Finance and Economics, July 2008

September 2007 – July 2008

WASHINGTON UNIVERSITY IN ST. LOUIS
St. Louis, MO
B.A., Summa Cum Laude, Distinction in Economics, May 2007
Majors: *Economics, Psychology*; Minors: *Mathematics, Japanese*

August 2003 – May 2007

SELECTED HONORS AND AWARDS

- Nominated for 2019 Business Week Faculty of the Year Award, University of Minnesota, Carlson School of Management
- Awarded *Dean's Small Grant*, University of Minnesota, Carlson School of Management (September, 2017)
- Awarded *Dean's Research Travel Grant*, University of Minnesota, Carlson School of Management (June, 2017)
- Awarded \$3,000 1st Place Thesis Prize, 4th Annual Doctoral Research Forum & Thesis Prize, MIT Sloan School of Management (March, 2016)
- Awarded grant from the *Kritzman and Gorman Research Fund*, MIT Sloan School of Management (2015)
- Nominated for 2014-2015 *MIT Sloan Excellence in Teaching Award, for Outstanding Teaching Assistant*, MIT Sloan School of Management
- Recipient of 2012-2013 *MIT Sloan Excellence in Teaching Award, for Outstanding Teaching Assistant*, MIT Sloan School of Management. Awarded to the best Teaching Assistant at MIT Sloan.
- Nominated for 2011-2012 *MIT Sloan Excellence in Teaching Award, for Outstanding Teaching Assistant*, MIT Sloan School of Management
- Awarded £7,000 *Creditflux-Cairn Capital Prize* for best dissertation out of the MSc Finance and Economics, MSc Management and Regulation, and MSc Finance programs in 2007/8, London School of Economics
- Graduated with Arts and Sciences Honors, *Summa Cum Laude* in Economics, Washington University in St. Louis
- *Dean's List*, Washington University in St. Louis (Fall 2003, Fall 2004 – Fall 2006)
- *Distinction in Economics*, Washington University in St. Louis (Spring 2007)

- *Adam Smith Prize for Excellence in Economics*, Washington University in St. Louis (Spring 2007). Awarded for top honors thesis in the Economics department.

PRIOR WORK EXPERIENCE

NISA INVESTMENT ADVISORS, LLC
St. Louis, MO

An investment management firm which manages over \$80 billion in assets for institutional clients.

Analyst, Derivatives Trading September 2008 – June 2010

Intern (Part-time), Research and Derivatives Trading Spring 2007

Intern, Research and Derivatives Trading Summer 2006

PUBLICATIONS

Journal Publications

1. “Customers and Investors: A Framework for Understanding the Evolution of Financial Institutions” (with Robert C. Merton). NBER Working Paper No. 21258.
Journal of Financial Intermediation 39, 4-18 (July, 2019)
Featured in *VoxEU* and the *Harvard Law School Forum on Corporate Governance and Financial Regulation*.
Mentioned in *Bloomberg*
2. “Risk and Reward in the Orphan Drug Industry” (with Andrew W. Lo)
The Journal of Portfolio Management 45 (5), 30-45 (July, 2019)
3. “Just How Good an Investment is the Biopharmaceutical Sector?” (with Nicholas Anaya, Yuwei Zhang, Christian Vilanilam, Kien Wei Siah, Chi Heem Wong, and Andrew W. Lo)
Nature Biotechnology 35 (12), 1149-1157 (December, 2017)

Other Published Articles

1. “The Implications of Trust on the Lending Activities of Banks and Fintech Firms” (with Robert C. Merton). *VoxEU: CEPR’s Policy Portal*, August 21, 2018. <<https://voxeu.org/article/trust-and-lending-activities-banks-and-fintech-firms>>
2. “Clarifying the Roles of Customers and Investors in Financial Institutions” (with Robert C. Merton). *See Far Executive Summaries*, Spring 2018. The Wells Fargo Advisors Center for Finance and Accounting Research, Washington University in St. Louis, Olin School of Business.
3. “A Theory of Efficient Short-Termism”. *Harvard Law School Forum on Corporate Governance and Financial Regulation*, September 17, 2016. <<https://corpgov.law.harvard.edu/2016/09/17/a-theory-of-efficient-short-termism/>>
4. “A Framework for Understanding Financial Institutions” (with Robert C. Merton). *Harvard Law School Forum on Corporate Governance and Financial Regulation*, August 11, 2015. <<http://corpgov.law.harvard.edu/2015/08/11/a-framework-for-understanding-financial-institutions/>>
5. “Customers and investors: A framework for financial institutions” (with Robert C. Merton). *VoxEU: CEPR’s Policy Portal*, August 1, 2015. <<http://www.voxeu.org/article/customers-and-investors-framework-financial-institutions>>

6. “Competition and R&D: Evidence from biopharma” (with Andrew W. Lo). *VoxEU: CEPR’s Policy Portal*, March 24, 2015. <<http://voxeu.org/article/competition-and-rd-evidence-biopharma>>

WORKING PAPERS

1. “The Effect of Cash Injections: Evidence from the 1980s Farm Debt Crisis” (with Nittai Bergman and Rajkamal Iyer). NBER Working Paper No. 23546.
Revision requested, *The Review of Financial Studies*
2. “Competition and R&D Financing: Evidence from the Biopharmaceutical Industry” (with Andrew W. Lo). NBER Working Paper No. 20903
Revision requested, *Journal of Law, Economics, and Organization*
Featured in *VoxEU*
3. “Trust in Lending” (with Robert C. Merton). NBER Working Paper No. 24778
Featured in *VoxEU*. Mentioned in *The Wall Street Journal*
4. “Liquidity Windfalls and Reallocation: Evidence from Farming and Fracking”
Awarded 1st Place Thesis Prize, MIT Sloan 4th Annual Doctoral Research Forum & Thesis Prize
5. “Sharing R&D Risk in Healthcare via FDA Hedges” (with Adam Jørring, Andrew W. Lo, Tomas J. Philipson, and Manita Singh). NBER Working Paper No. 23344
6. “Optimal Financing for R&D-intensive Firms” (with Andrew W. Lo). NBER Working Paper No. 23831
7. “Short-termism, Managerial Talent, and Firm Value”
Featured in the *Harvard Law School Forum on Corporate Governance and Financial Regulation*. Mentioned in *Bloomberg*
8. “Find and Replace: R&D Investment Following the Erosion of Existing Products” (with Joshua L. Krieger and Xuelin Li)
9. “Do Mandatory Disclosure Requirements for Private Firms Increase the Propensity of Going Public?” (with Cyrus Aghamolla)
10. “Explore or Exploit: Innovation Incentives and Labor Market Frictions”

CONFERENCE AND SEMINAR PARTICIPATION

Conference Presentations

- 2019
- Symposium in Honor of Robert C. Merton, August 2019 (Invited): “Trust and the Functioning of the Financial System”
 - 2019 China International Conference in Finance, July 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products” (presented by co-author)
 - North American Summer Meeting of the Econometric Society, June 2019: “Explore or Exploit: Innovation Incentives and Labor Market Frictions”
 - Northwestern/USPTO Twelfth Annual Conference on Innovation Economics, June 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products”

- 4th Rome Junior Finance Conference, June 2019 (Invited): “Trust in Lending”
- Financial Intermediation Research Society (FIRS) Conference, May 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products”
- Northwestern Kellogg 8th Annual Healthcare Markets Conference, May 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products” (presented by co-author)
- 2019 Review of Financial Studies Conference on “New Frontiers in Banking: from Corporate Governance to Risk Management”, March 2019: “Trust in Lending”
- Utah-BYU Winter Strategy Conference, March 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products” (presented by co-author)
- American Economic Association (AEA) Meetings, January 2019: “Find and Replace: R&D Investment Following the Erosion of Existing Products” (presented by co-author)
- American Finance Association (AFA) Meetings, January 2019: “Trust in Lending”

2018

- 9th Miami Behavioral Finance Conference, December 2018: “Trust in Lending”
- Yale Law School, Alumni Breakfast on Innovation in Drug Research and Financing, November 2018: Panelist
- North American Summer Meeting of the Econometric Society, June 2018: “Trust in Lending”
- Financial Intermediation Research Society (FIRS) Conference, June 2018: “Trust in Lending”
- Minnesota Corporate Finance Conference, May 2018: “Find and Replace: R&D Investment Following the Erosion of Existing Products”
- Midwest Finance Association (MFA) Meetings, March 2018 (Invited): “Optimal Financing for R&D-intensive Firms”
- American Finance Association (AFA) Meetings, January 2018: “Sharing R&D Risk in Healthcare via FDA Hedges”

2017

- Minnesota Junior Finance Conference, November 2017: “Trust in Lending”
- WFA-CFAR and Journal of Financial Intermediation Conference on “The Post-Crisis Evolution of Banks and Financial Markets”, October 2017: “Customers and Investors: A Framework for Understanding the Evolution of Financial Institutions”
- NBER Summer Institute – Innovation Program, July 2017: “Sharing R&D Risk in Healthcare via FDA Hedges”
- International Health Economics Association (iHEA) 12th World Congress, July 2017: “Sharing R&D Risk in Healthcare via FDA Hedges”
- Financial Intermediation Research Society (FIRS) Conference, June 2017: “The Effect of Cash Injections: Evidence from the 1980s Farm Debt Crisis”
- Midwest Finance Association (MFA) Meetings, March 2017 (Invited): “A Theory of Efficient Short-termism”
- American Finance Association (AFA) Meetings, January 2017: “Optimal Financing for R&D-intensive Firms”
- American Economic Association (AEA) Meetings, January 2017: “Liquidity Windfalls and Reallocation: Evidence from Farming and Fracking”

2016

- Federal Reserve Bank of Cleveland's and Office of Financial Research's Conference on Financial Stability, December 2016: “Customers and Investors: A Framework for Understanding the Evolution of Financial Institutions”
- NBER Summer Institute – Monetary Economics Program, July 2016: “The Effect of Cash Injections: Evidence from the 1980s Farm Debt Crisis” (presented by co-author)
- American Finance Association (AFA) Meetings, January 2016: “Competition and R&D Financing Decisions: Evidence from the Biopharmaceutical Industry” (presented by co-author)
- American Economic Association (AEA) Meetings, January 2016: “The Effect of Cash Injections: Evidence from the 1980s Farm Debt Crisis” (presented by co-author)

Seminar Presentations

- Cornell University (Applied Economics and Finance Seminar, Scheduled September 2019)

- University of Minnesota (Applied Economics Workshop, Scheduled August 2019)
- University of Rome III (Finance Seminar, June 2019)
- Nanyang Technological University (Finance Seminar, September 2018)
- National University of Singapore (Finance Seminar, September 2018)
- Hong Kong University (Finance Seminar, September 2018)
- City University of Hong Kong (Finance Seminar, September 2018)
- University of Minnesota (Applied Economics Workshop, June 2018)
- University of Minnesota (Medical Industry Leadership Institute, National Industry Council Meeting, April 2018)
- University of Minnesota (Medical Industry Leadership Institute Brown Bag, January 2018)
- University of Minnesota (Finance Brown Bag, December 2016)
- Emory University (Finance Seminar, February 2016)
- Boston College (Finance Seminar, February 2016)
- UNC Chapel Hill (Finance Seminar, February 2016)
- Ohio State University (Finance Seminar, February 2016)
- Imperial College (Finance Seminar, January 2016)
- Indiana University (Finance Seminar, January 2016)
- Northwestern University (Finance Seminar, January 2016)
- University of Minnesota (Finance Seminar, January 2016)
- Michigan State University (Finance Seminar, January 2016)
- Washington University in St. Louis (Finance Seminar, November 2015)
- MIT (Finance Faculty Seminar, October 2015)
- MIT (Finance Brown Bag Seminar, May 2015)
- MIT (Finance Brown Bag Seminar, November 2014)
- MIT (Finance Brown Bag Seminar, October 2011)

Paper Discussions at Conferences

- Minnesota Macro-Asset Pricing Conference (Minneapolis, May 2019)
- Minnesota Corporate Finance Conference (Minneapolis, May 2018)
- Minnesota Macro-Asset Pricing Conference (Minneapolis, May 2017)
- Western Finance Association (WFA) Conference (Whistler, BC, Canada, June 2017)

Conference Attendance

- 2019: Symposium in Honor of Robert C. Merton, NBER Summer Institute, North American Summer Meeting of the *Econometric Society*, Northwestern/USPTO Twelfth Annual Conference on Innovation Economics, 4th Rome Junior Finance Conference, *Financial Intermediation Research Society* (FIRS) Conference, Minnesota Macro-Asset Pricing Conference, *Review of Financial Studies* Conference on “New Frontiers in Banking: from Corporate Governance to Risk Management”, *American Finance Association* (AFA)/*American Economic Association* (AEA) Meetings
- 2018: 9th Miami Behavioral Finance Conference, Minnesota Junior Finance Conference, University of Minnesota MILI Convene Conference, NBER Summer Institute, North American Summer Meeting of the *Econometric Society*, *Financial Intermediation Research Society* (FIRS) Conference, Minnesota Corporate Finance Conference, *Midwest Finance Association* (MFA) Meetings, *American Finance Association* (AFA)/*American Economic Association* (AEA) Meetings
- 2017: Minnesota Junior Finance Conference, University of Chicago BFI Conference on “The Health Sector and the Economy”, WFA-CFAR and *Journal of Financial Intermediation* Conference on “The Post-Crisis Evolution of Banks and Financial Markets”, NBER Summer Institute, *iHEA 12th World Congress*, *Western Finance Association* (WFA) Conference, *Financial Intermediation Research Society* (FIRS) Conference, Minnesota Macro-Finance Conference,

Midwest Finance Association (MFA) Meetings, American Finance Association (AFA)/American Economic Association (AEA) Meetings

- 2016: Federal Reserve Bank of Cleveland's and Office of Financial Research's Conference on Financial Stability, Minnesota Finance Junior Conference, NBER Summer Institute, *American Finance Association (AFA)/American Economic Association (AEA) Meetings*

TEACHING AND ACADEMIC EXPERIENCE

Full Courses Taught

FINA 4221 Principles of Corporate Finance (Spring 2017 A/B Terms, Spring 2018 A/B Terms, Spring 2019 A/B Terms)

University of Minnesota, Carlson School of Management

- Undergraduate course (1/2 semester course)
- Overall Teaching Ratings (means):
 - **5.8 / 6.0** (Section 3, B Term 2019); **5.9 / 6.0** (Section 2, A Term 2019); **5.6 / 6.0** (Section 1, A Term 2019); **5.8 / 6.0** (Section 3, B Term 2018); **5.6 / 6.0** (Section 2, B Term 2018); **5.8 / 6.0** (Section 1, A Term 2018); **5.8 / 6.0** (Section 3, B Term 2017); **5.8 / 6.0** (Section 2, B Term 2017); **5.8 / 6.0** (Section 1, A Term 2017)

FINA 6241 Corporate Financial Analysis and Decisions (Spring 2017, Spring 2018, Spring 2019)

University of Minnesota, Carlson School of Management

- MBA course (full semester course, 1 section per semester)
- Overall Teaching Ratings (means):
 - **5.9 / 6.0** (Spring 2019); **5.8 / 6.0** (Spring 2018); **5.7 / 6.0** (Spring 2017)

Teaching Assistant Work

Teaching evaluation comments available at: <http://rthakor.mit.edu/teaching>

Teaching Assistant, 15.466 Functional and Strategic Finance (Spring 2013, 2014, 2015)

MIT Sloan School of Management

- MBA/MFin course. Teaching Assistant for Robert C. Merton
- Overall Teaching Ratings (means):
 - **7.0 / 7.0** (Spring 2015); **6.8 / 7.0** (Spring 2014); **6.7 / 7.0** (Spring 2013)

Teaching Assistant, 15.414 Financial Management (Summer 2011, 2012, 2013, 2014)

MIT Sloan School of Management

- Sloan Fellows Executive course. Teaching Assistant for Andrew W. Lo, Kathryn Kaminski, Dirk Jenter, Deborah Lucas
- Overall Teaching Ratings (means):
 - **6.5 / 7.0** (Summer 2014); **6.9 / 7.0** (Summer 2013)

Teaching Assistant, 15.S06 Topics in Corporate Finance (January 2014)

MIT Sloan School of Management

- EMBA/Sloan Fellows Executive mini-course. Teaching Assistant for Nittai Bergman

Teaching Assistant, 15.434 Advanced Corporate Finance (Fall 2012, 2013)

MIT Sloan School of Management

- MBA/MFin course. Teaching Assistant for R. David McLean, Nittai Bergman
- Overall Teaching Rating (mean):
 - **6.0 / 7.0** (Fall 2013)

Teaching Assistant, 15.301 Managerial Psychology (Fall 2013)

MIT Sloan School of Management

- Undergraduate course. Teaching Assistant for Andy Yap.
- Overall Teaching Rating (mean):
 - **6.1 / 7.0**

Teaching Assistant, Finance Made Difficult 2012 (Summer 2012)

MIT Sloan School of Management

- Mini-course offered to MIT faculty. Teaching Assistant for John Cox, Leonid Kogan, Andrew W. Lo, Robert C. Merton, Stewart Myers, and Antoinette Schoar.

Research Assistant Work

Research Assistant for Andrew W. Lo (Fall 2014, Summer 2015)

Research Assistant for Nittai Bergman (Summer 2011 – Fall 2013)

Other Academic Programs Attended

NBER Entrepreneurship Boot Camp (Summer 2013)

Yale University, PhD Summer School in Behavioral Finance (Summer 2011)

Harvard University, Summer School (Summer 2005)

PROFESSIONAL SERVICE

Academic Referee Service

Occasional Referee for:

- *The Accounting Review*
- *American Journal of Agricultural Economics*
- Cambridge University Press
- *The Economic Journal*
- *Journal of Corporate Finance*
- *Journal of Economic Behavior and Organization*
- *Journal of Economic Theory*
- *Management Science*
- *PLOS ONE*
- *Research Policy*
- *Review of Finance*
- *The Review of Financial Studies*

Service, University of Minnesota, Carlson School of Management

Co-coordinator, Finance seminar series (Fall 2019 – Spring 2020)

PhD Admissions Committee, Finance Department (Spring 2019)

Organizer, 2018 Minnesota Finance Junior Conference (Fall 2018)

Faculty Panelist, 2018 PhD Student Re-orientation (Fall 2018)

Recruiting Committee Member, Finance Department (Fall 2017 – Spring 2018)

Co-organizer, 2018 Minnesota Corporate Finance Conference (Fall 2017 – Spring 2018)

Organizer, 2017-2018 Finance Brownbag Lunch Series (Fall 2017 – Spring 2018)

Organizer, 2017 Minnesota Finance Junior Conference (Fall 2017)

Coordinator, Finance seminar series (Fall 2016 – Spring 2017)

Other Service

Program Committee, 2019 Financial Intermediation Research Society (FIRS) Conference

Advising

PhD Dissertation Committee Member for: Alexander Everhart (PhD Health Services Research, School of Public Health, 2022)

Undergraduate Thesis Advisor for: Clayton Adamson (Honors, 2019), Andrea D’Amico (Bocconi/Minnesota, 2019)

Undergraduate Thesis Reader for: David Bock (Honors, 2019)

MEDIA AND OTHER MENTIONS

- *Retirement Income Journal*, July 11, 2019, “Research Roundup”:
<https://retirementincomejournal.com/article/research-roundup-2/>
- *MILI Exchange*, Summer 2019, Issue 19: “What’s in a Name? Biotech vs. Pharma Investments”
- *The Wall Street Journal*: <https://www.wsj.com/articles/trust-and-fintech-1534848211>
- *Bloomberg*: <http://www.bloomberg.com/view/articles/2016-07-19/earnings-bailouts-and-lawsuits>
- *Bloomberg*: <https://www.bloomberg.com/view/articles/2016-09-19/tough-targets-and-short-term-projects>
- *Regulatory Affairs Professionals Society (RAPS)*: <http://www.raps.org/Regulatory-Focus/News/2017/04/19/27370/FDA-Hedges-A-Proposal-to-Better-Share-RD-Risks/>