



HARVARD | BUSINESS | SCHOOL

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Harvard Business School
Arthur Rock Center for Entrepreneurship
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EDUCATION

- 2017 PhD, MIT Sloan School of Management
Dissertation: Essays in Learning and Strategy in Research and Development
Committee: Pierre Azoulay (chair)
 Scott Stern
 Fiona Murray
 Alessandro Bonatti
- 2008 B.A., Cornell University, Economics and Government

HARVARD UNIVERSITY

- 7/1/17 – present Assistant Professor of Business Administration

Teaching Assignments

- 2021 – Present Tough Tech Ventures, Second-year elective, Spring
- 2018 – 2021 The Entrepreneurial Manager, First-year required curriculum, Spring

WORK EXPERIENCE

- 2008-2011 Cornerstone Research, Boston, MA
 Economic and Litigation Consulting

FELLOWSHIPS & GRANTS

- 2016 – 2021 National Science Foundation, Science of Science & Innovation Policy (SciSIP) Grant
“Collaborative Research: The Impact of Research Costs on the Direction of Scientific
Discovery Frontier Tools & Applications” (with Jeffrey Furman, Florenta Teodoridis and
Ajay Agrawal)

- 2016 Kauffman Dissertation Fellowship
- 2016 Value of Medical Research Fellowship, National Bureau of Economic Research
- 2014 Hammond, Krasner and Roberts Entrepreneurship Research Grant
- 2014 Sloan Foundation Research Grant Program on the Economics of Knowledge Contribution and Distribution (with Pierre Azoulay and Jeffrey Furman)
- 2011 – 2017 Ronald A. Kurtz Doctoral Fellowship, MIT Sloan

AWARDS AND HONORS

- 2018 Technology and Innovation (TIM) Best Dissertation Finalist, Academy of Management
- 2018 London Business School Summer Finance Symposium Best Paper Award
- 2017 Red Rock Finance Conference Best Paper Award
- 2017 MIT Sloan Thesis Prize (First Place)

PUBLICATIONS

Journal Articles:

Krieger, Joshua L., Kyle R. Myers, and Ariel D. Stern. "How Important is Editorial Gatekeeping? Evidence from Top Biomedical Journals." Harvard Business School Working Paper, No. 22-011, September 2021. *The Review of Economics and Statistics* (forthcoming).

Krieger, Joshua, Xuelin Li, and Richard T. Thakor. "Find and Replace: R&D Investment Following the Erosion of Existing Products." *Management Science* (forthcoming).

Krieger, Joshua, Danielle Li, and Dimitris Papanikolaou. "Missing Novelty in Drug Development." *Review of Financial Studies* 35, Issue 2 (February 2022): 636-679.

Benmelech, Efraim, Janice Eberly, Dimitris Papanikolaou, and Joshua Krieger. "Private and Social Returns to R&D: Drug Development and Demographics." *AEA Papers and Proceedings* 111 (May 2021): 336–340.

"Trials and Terminations: Learning from Competitors' R&D Failures." *Management Science* 67, no. 9 (September 2021): 5525-5548.

Azoulay, Pierre, Alessandro Bonatti, and Joshua Lev Krieger. "The Career Effects of Scandal: Evidence from Scientific Retractions." *Research Policy* 46, no. 9 (November 2017): 1552-1569.

Krieger, Joshua Lev, Fiona Murray, J. Scott Roberts, and Robert C. Green. "The Impact of Personal Genomics on Risk Perceptions and Medical Decision-Making." *Nature Biotechnology* 34, no. 9 (September 2016): 912–918.

Azoulay, Pierre, Jeffrey L. Furman, Joshua Lev Krieger, and Fiona Murray. "Retractions." *Review of Economics and Statistics* 97, no. 5 (December 2015): 1118–1136.

WORKING PAPERS

Krieger, Joshua Lev, Martin Watzinger, and Monika Schnitzer. "Standing on the Shoulders of Science." Harvard Business School Working Paper, No. 21-128, June 2021. **2nd round revise and resubmit, *The Strategic Management Journal***

Krieger, Joshua Lev and Ramana Nanda. "Are Transformational Ideas Harder to Fund? Resource Allocation to R&D Projects at a Global Pharmaceutical Firm." Harvard Business School Working Paper, No. 23-014, August 2022.

Krieger, Joshua Lev, Alex Frankel, Danielle Li, and Dimitris Papanikolaou. "Exploration and the Spillovers from Failure." Working paper, January 2022.

WORKS IN PROGRESS

Krieger, Joshua Lev, Kyle Myers and Oliver York. "Racing Towards the Sun: Learning and Herding in Solar Cell Development."

Krieger, Joshua Lev and Ramana Nanda. "Social Influence in Evaluating Innovation."

Dizon-Ross, Rebecca, Daniel Fehder, Yael Hochberg, Joshua Lev Krieger and Daniel Lee. "Accelerate Palestine: A Field Experiment in Entrepreneurship Training in the West Bank."

Krieger, Joshua Lev and Zakaria El Amrani El Idrissi. "Cloudy with a Chance of Blockbusters: R&D Consequences of Missed Product Forecasts."

Garfinkel, Jon, Mosab Hammoudeh, Joshua Lev Krieger, Xuelin Li and Richard Thakor. "Drug Development Shocks and Rival Bank Loans."

Behrens, Jeff, Joshua Feng and Joshua Lev Krieger. "The Emergence of Venture Creation Firms: Evidence from Massachusetts Biotech."

TEACHING MATERIALS

Cases and Teaching Notes:

Lerner, Josh and Joshua Lev Krieger. "In-Q-Tel: Innovation on a Mission." Harvard Business School Case 823-031 (August 2022) [23p].

Lerner, Josh and Joshua Lev Krieger. "In-Q-Tel: Innovation on a Mission." Harvard Business School Teaching Note 823-042 (August 2022) [20p].

Krieger, Joshua Lev, Abhishek Nagaraj, and James Barnett. "Tomorrow.io Goes to Space." Harvard Business School Case 822-005 (January 2022) [22p].

Krieger, Joshua Lev, Abhishek Nagaraj, and James Barnett. "Tomorrow.io Goes to Space." Harvard Business School Teaching Note 822-102 (March 2022) [19p].

Krieger, Joshua Lev, William R. Kerr, and Christian Godwin. "AppHarvest: Rebuilding the Appalachian Economy Through Agriculture." Harvard Business School Case 822-067

(November 2021) [25p].

Krieger, Joshua Lev, William R. Kerr, and Christian Godwin. "AppHarvest: Rebuilding the Appalachian Economy Through Agriculture." Harvard Business School Teaching Note 823-024 (August 2022) [21p].

Kluender, Raymond, Joshua Krieger, and Mitchell Weiss. "Biobot Analytics." Harvard Business School Case 821-045 (January 2021, Revised December 2021) [27p].

Kluender, Raymond, Joshua Krieger, and Mitchell Weiss. "Biobot Analytics." Harvard Business School Teaching Note 822-079 (March 2022) [17p].

"Catalys Pacific." Harvard Business School Case 821-035 (September 2020, Revised January 2021) [21p].

"Catalys Pacific." Harvard Business School Teaching Note 822-086 (January 2022 Revised March 2022) [12p].

Krieger, Joshua Lev, Christopher Stanton, and James Barnett. "Forecasting ClimaCell." Harvard Business School Case 820-044 (December 2019) [23p].

Krieger, Joshua Lev, Christopher Stanton, and James Barnett. "Forecasting ClimaCell." Harvard Business School Teaching Note 821-008 (December 2020, Revised March 2022) [15p].

Krieger, Joshua Lev, Tom Nicholas, and Matthew Preble. "The 'Wonder Drug' That Killed Babies." Harvard Business School Case 818-044 (November 2017) [28p].

In-Progress Course and Module Notes:

Krieger, Joshua Lev, and James Matheson. "Introduction to Tough Tech Ventures." Course note.

Krieger, Joshua Lev, and James Matheson. "Launching Tough Tech Ventures." Module note.

Krieger, Joshua Lev, and James Matheson. "Commercialization Frameworks for Tough Tech Ventures." Module note.

Krieger, Joshua Lev, James Matheson, and Russ Wilcox. "Intellectual Property in Tough Tech." Topic note.

Krieger, Joshua Lev, and James Matheson. "Dual-Use Technologies and Support Ecosystem." Topic note.

PRESENTATIONS

Jul 2022	Economics of Strategy Workshop, NYU Stern
Jun 2022	International Conference on the Science of Science & Innovation, Washington D.C.
May 2022	UCLA Pharmaceutical Economics Seminar
Mar 2022	Novartis Institutes for Biomedical Research
Feb 2022	Workshop on Pharma & IP, HEC Lausanne / Columbia University Online Conference

Jan 2022 “Selecting Outlier Innovations,” ASSA Annual Meeting, Session Co-Organizer
 May 2021 Bates White Healthcare Conference
 Apr 2021 Stanford Law and the Biosciences Workshop
 Feb 2021 Workshop on Field Experiments in Strategy, Innovation, and Entrepreneurship
 Paper presenter at Duke, HBS, USCD, INSEAD online conference
 Nov 2020 McGill Organizational Behavior Seminar
 Sep. 2020 Haas School of Business, UC Berkeley PhD Innovation Seminar
 Aug 2020 AIEA-NBER Conference on Innovation and Entrepreneurship, Discussant
 Feb 2020 Utah Eccles School of Management
 Jan 2020 ASSA Annual Meeting; San Diego
 Aug 2019 AOM TIM Doctoral Research Development Workshop, Co-Organizer
 May 2019 Kellogg Healthcare Conference
 Mar 2019 BYU Utah Winter Strategy Conference, Park City Utah
 Jan 2019 ASSA Annual Meeting; Atlanta, “Trajectories of Innovation: Evaluation and Direction in R&D Project Selection,” Presenter
 Nov 2019 Georgia Tech, REER Conference; Atlanta, GA, Discussant
 Jan 2018 “Trajectories of Innovation: Evaluation and Direction in R&D Project Selection”, ASSA Annual Meeting; Philadelphia, PA, Session Chair and Presenter
 Dec 2017 NBER Entrepreneurship Winter Meeting
 July 2017 NBER Summer Institute: Aging
 July 2017 NBER Summer Institute: Innovation
 June 2017 DRUID 2017, PDW on “Direction of Innovation & Science,” NYU Stern
 May 2017 Munich Summer Institute, Max Plank Institute
 Jan 2017 Strategy Department, UCLA Anderson School of Management
 Jan 2017 Technology and Operations Management Unit, Harvard Business School
 Jan 2017 Strategy and Entrepreneurship, Cox School of Business, SMU
 Jan 2017 Strategy Unit, Harvard Business School
 Jan 2017 Management Department, Wharton
 Dec 2016 Entrepreneurial Management Unit, Harvard Business School
 Dec 2016 Management Division, Columbia Business School
 Nov 2016 Strategy and Entrepreneurship, UNC Kenan-Flagler Business School
 Nov 2016 Georgia Tech, REER Conference; Atlanta, GA
 Aug 2016 Academy of Management Annual Meeting; Anaheim, CA
 Symposium on “Driving the Direction of Innovation,” Session Chair and Presenter
 May 2016 Industry Studies Association Conference; Minneapolis, MN
 Feb 2016 MIT Sloan Healthcare & Bioinnovations Conference (Poster); Cambridge, MA
 Apr 2015 Consortium on Competitiveness and Cooperation (CCC); New York, NY
 Mar 2014 American College of Medical Genetics and Genomics Annual Meeting (Poster); Nashville, TN

OTHER TEACHING EXPERIENCE

2022	Instructor, Endeavor, HBS Executive Education
2022	Instructor, Rock Summer Fellows, Workshops on Tough Tech
2019 – 2022	Instructor, Launching New Ventures, HBS Executive Education
2018 – 2021	Guest Lecturer/Instructor, Theoretical and Empirical Perspectives on Entrepreneurship, Harvard Business School
2018 – 2021	Guest Lecturer/Instructor, Theoretical and Empirical Perspectives on Entrepreneurship, Harvard Business School
2020	Guest Instructor, Venture Capital and Private Equity, HBS 2nd year elective
2015, '18, '20	Guest Lecturer/Instructor, Ethics in Biomedical Research, Harvard-MIT Health Sciences and Technology Program
2016	Teaching Assistant, Entrepreneurial Strategy, MIT Sloan (Prof. Scott Stern)
2015	Teaching Assistant, Regional Entrepreneurship Acceleration Lab, MIT Sloan (Profs. Fiona Murray and Phil Budden)
2014 – 2015	Teaching Assistant, Competitive Strategy, Executive MBA Program, MIT Sloan (Profs. Pierre Azoulay and Scott Stern)
2013	Teaching Assistant, Advanced Strategic Management, MIT Sloan (Prof. Michael Cusumano)

PEER REVIEWER

American Economic Review
Health Economics
Industry and Innovation
Journal of the European Economic Association
Journal of Finance
Journal of Law, Economics and Organization
Journal of Public Economics
Management Science
Organization Science
Production and Operations Management
Quarterly Journal of Economics
RAND Journal of Economics
Research Policy
Review of Financial Studies
Review of Economics and Statistics
Review of Economics Studies
Strategy Science
Science Translational Medicine