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EDUCATION Postdoctoral Scholar, UCLA Anderson School of Management, 2021-present

PhD, Managerial Science & Applied Economics, The Wharton School, University of Pennsylvania, 2021

MS, Health Care Management, The Wharton School, University of Pennsylvania, 2021

PhD Visiting Scholar, Haas School of Business, UC Berkeley, 2016–2017 MSc, Economics, London School of Economics and Political Science, 2012

AB, Economics (Honors) & International Relations, magna cum laude, Brown University, 2007

Visiting student, Université de Paris I Panthéon-Sorbonne, 2006

DISSERTATION Title: Essays in the Economics of Intellectual Property and Innovation

Committee: Matthew Grennan (Chair), Daniel Levinthal, Noam Yuchtman

RESEARCH FIELDS Economics of Innovation; Entrepreneurship; Technology Strategy; Health Care

RESEARCH Research Assistant for Professor Matthew Grennan, The Wharton School, 2016
EMPLOYMENT Research Assistant for Professor Robert Town, The Wharton School, 2015–2016

Research Economist, Precision Health Economics, Los Angeles, CA, 2012–2014 Senior Research Associate, Precision Health Economics, Los Angeles, CA, 2011–2012

Senior Research Assistant, Federal Reserve Bank of Boston, 2007–2010

TEACHING Teaching Assistant, The Wharton School

Los Angeles, CA 90095

MGMT 721, Mergers and Acquisitions (EMBA), Fall 2018

HCMG 391, Health Care Entrepreneurship (undergraduate), Fall 2018

HCMG 213, Health Care Strategy (undergraduate), Fall 2018

MGMT 612, Managing the Emerging Enterprise (MBA core), Fall 2016 ECON 39/HCMG 212, Health Economics (undergraduate), Spring 2016

Graduate Student Instructor, UC Berkeley, Department of Economics ECON 100A, Microeconomic Analysis (undergraduate), Summer 2017

Publications and Working Papers

"One product, many patents: Imperfect intellectual property rights in the pharmaceutical industry" Selected for presentation at NBER Summer Institute (Innovation)

"Strategic entry in regulated markets" with Jennifer Kao

"Innovation and cross-market spillovers in 'big' firms" with Matthew Grennan and Mara Lederman

"Drug repurposing during the COVID-19 pandemic: Lessons for expediting drug development and access" with Wesley Greenblatt and Jennifer Kao, *Health Affairs* (2023)

RESEARCH IN PROGRESS "Standing on the patents of giants: Concentrated intellectual property rights and cumulative innovation"

"Competing risks and 'missing' medical innovation" with Alexander Olssen

"Does going public affect pharmaceutical innovation? Evidence from clinical trials" with Jennifer Kao

OTHER WRITING "Industry, universities, and intellectual property." White paper prepared for the NBER-IFS Interna-

tional Network on the Value of Medical Research

Awards and Honors

National Institute for Health Care Management (NIHCM) Foundation Research Grant, 2024

Chancellor's Award for Postdoctoral Research Nominee, UCLA, 2023

Price Center for Entrepreneurship & Innovation Research Grant, UCLA Anderson, 2021–2024

International Industrial Organization Conference (IIOC) Rising Stars Session, 2021

GAPSA Research Student Travel Grant, University of Pennsylvania, 2019

NBER-IFS Value of Medical Research Pre-Doctoral Fellowship, 2018–2019

Institute of Research on Innovation and Science Dissertation Award, 2018

Mack Institute Research Fellowship, The Wharton School, 2017–2020

Distinction (highest honors) in master's thesis, Economics Dept., London School of Economics, 2012

National Science Foundation Graduate Research Fellowship Honorable Mention, 2010

President's Award, Federal Reserve Bank of Boston, 2010

Samuel C. Lamport Prize for outstanding senior thesis, Economics Dept., Brown University, 2007 Phi Beta Kappa & magna cum laude (highest honors), Brown University, 2007

Presentations

2024 (including scheduled): Review of Corporate Finance Studies (RCFS) Winter Conference‡; University of Utah Winter Strategy Conference*; Max Planck Innovation & Entrepreneurship Seminar

2023: UCLA Seminar on Pharmaceutical Economics and Policy, Fielding School of Public Health; UCLA Anderson Strategy Seminar; USC Marshall SoCal Strategy and OT Workshop; Bates White Life Sciences Symposium; American Society of Health Economists (ASHEcon) Annual Conference*; CEPR-Toulouse Health Economics Conference; Academy of Management (AOM) Annual Meeting*; Food & Drug Administration (FDA); Price Center Workshop in Entrepreneurship and Innovation

2022: Roundtable for Engineering Entrepreneurship Research (REER) Conference

2021: LMU Munich—Max Planck Institute for Innovation and Competition joint seminar; UCLA Anderson; NBER Productivity Seminar; Technology & Policy Research Initiative (TPRI), Boston University School of Law; Wharton Technology & Innovation Conference; IIOC Rising Stars Session; NBER Summer Institute (Innovation); TPRI IP Days; Northwestern Kellogg—USPTO Annual Conference on Innovation Economics; American Law and Economics Association (ALEA) Annual Meeting; Program on Regulation, Therapeutics, and Law (PORTAL), Harvard Medical School

2020: NBER Aging and Health Trainee Seminar; Penn Empirical Micro Lunch; Mack Innovation Doctoral Association Seminar; Wharton Health Economics Seminar; Laboratory of Innovation Science at Harvard Research Seminar; Purdue Krannert

2019: Wharton Technology and Innovation Conference; Strategy Science Conference; CCC Doctoral Conference; NBER Aging and Health Trainee Seminar; Penn Health Economics Workshop; Mack Innovation Doctoral Association Seminar; Penn Empirical Micro Lunch

2018: NBER Value of Medical Research Pre-Doctoral Meeting; Institute of Research on Innovation and Science Data Camp; Berkeley-Haas BPP Student Seminar; Penn Health Economics Workshop; Mack Innovation Doctoral Association Seminar; Wharton Innovation Doctoral Symposium; Wharton Corporate Strategy and Innovation Conference

(* presentation by coauthor; ‡ conference discussant)

Professional Activities

AOM Technology & Innovation Management (TIM) Junior Faculty Consortium, 2023

NBER Summer Institute, invited participant, 2018, 2020–2023

NBER Digitization Tutorial, 2023

Wharton PhD Peer Mentor, 2018–2019

NBER Entrepreneurship Research Boot Camp, 2018

Price Theory Summer Camp, Becker Friedman Institute, 2018

Strategy Science Pre-Conference Doctoral Workshop, 2018

AEA Continuing Education Program, Machine Learning and Econometrics, 2018

Leonard Davis Institute of Health Economics, Associate Fellow, 2017–2021

Summer Undergraduate Minority Research (SUMR) Program mentor, 2016

Mack Innovation Doctoral Association, 2014–2021; Executive Board, 2017–2019; President, 2018–2019

Wharton Society for the Advancement of Women in Business Academia, 2014–2021

Referee Service American Economic Review; National Science Foundation; Research Policy

Memberships American Economic Association; European Economic Association; American Law and Economics As-

sociation; American Society of Health Economists; Academy of Management; Strategic Management

Society

References Professor Matthew Grennan Professor Olav Sorenson

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