

Lucy Xiaolu WANG (王晓璐)

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ACADEMIC POSITIONS

University of Massachusetts Amherst, Amherst, MA, United States September 2021 –

Assistant Professor (tenure track), Department of Resource Economics

Faculty Associate, Computational Social Science Institute, UMass Amherst

Max Planck Institute for Innovation and Competition, Munich, Germany August 2020 –

Affiliated Faculty Research Fellow in Economics/Management, September 2021 – present

Senior Research Fellow (Post Doc) in Economics/Management, August 2020 – August 2021

EDUCATION

Ph.D. Economics, **Cornell University**, Ithaca, NY, USA 2020

Certificates in University and College Teaching, 2017 & Research Mentoring, 2017

Dissertation Title: “*Essays on Innovation and Digitization in Health Care Markets*”

M.A. Economics, **Duke University**, Durham, NC, USA 2014

Graduation honors: Duke Economics Master’s Program Award for Leadership and Academic Excellence

B.A. Economics (Specialty: Insurance), **Central University of Finance and Economics**, Beijing, China, 2012

Outstanding Student & Graduate Awards by Beijing Municipal Commission of Education, 2011 & 2012

RESEARCH INTERESTS

Primary: Health Economics, Innovation Economics; *Secondary*: Industrial Organization, Public Finance

PUBLICATIONS/ACCEPTED

Journal Publications

“The Complementarity of Drug Monitoring Programs and Health IT for Reducing Opioid-Related Mortality and Morbidity,” 2021, *Health Economics*; <https://onlinelibrary.wiley.com/doi/10.1002/hec.4360>

“The Secret Menu in Health Care: A Cash Market for Imaging in California,” with Jordan Epstein (Stroll Health), Sean Nicholson (Cornell), Katherine Hempstead (RWJF), Sam Asin (Stroll Health), 2020. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*. *Funded by a Robert Wood Johnson Foundation Grant awarded in 2016 (PI: J. Epstein)*; <https://journals.sagepub.com/doi/10.1177/0046958020981449>

Book Chapter & Best Paper Proceedings

“Medicines Patent Pool and HIV Drug Cocktail Diffusion and Innovation,” 2021, In Guclu Atinc (Ed.), *Best Paper Proceedings of the Eight-first Annual Meeting of the Academy of Management*

“The Complementarity of Health Information & HIT for Reducing Opioid-Related Mortality and Morbidity,” 2019, In Guclu Atinc (Ed.), *Best Paper Proceedings of the 79th Annual Meeting of the Academy of Management*

“Manufacturing Fetishism: The Neo-Mercantilist Preoccupation with Protecting Manufacturing,” with Alecia W. Cassidy and Edward Tower, 2015, *The Region and Trade: New Analytical Directions* (Book Chapter, Edited by Amitrajeet Batabyal and Peter Nijkamp), p.137-175 (SSRN: <https://ssrn.com/abstract=2833529>)

WORKING PAPERS

“Global Drug Diffusion & Innovation with the Medicines Patent Pool” (Under Review; ssrn.com/abstract=3426554)

Note: The Medicines Patent Pool is now a key part of the WHO COVID-19 Technology Access Pool (C-TAP)

Best Paper Award, Wharton Innovation Doctoral Symposium, University of Pennsylvania, 10/2019

Young Scholar Best Paper Award (in economics/management), European Policy for Intellectual Property, ETH Zürich, Switzerland, 9/2019; Featured in Written Description blog by Prof. Lisa Larrimore Ouellette, 9/2019

“Procurement Institutions and Essential Drug Supply in Low- and Middle-Income Countries” (w/ Nahim Zahur; ssrn.com/abstract=3926761; Under Review)

“The Market for Legal Cannabis Licensing” (w/ Nick Wilson; Preparing for submission) (co-author is a graduate mentee)

WORK-IN-PROGRESS

“Digitizing Science with Grants or Platforms: Evidence from the Human Brain Project” (w/ Ann-Christin Kreyer)

“Is Grass Greener in the Gray Zone? Innovation in the Cannabis Market”

“Automation and Mental Health Platform Design: Field Experiment” (w/ Chirantan Chatterjee, Marina Chugunove, Ghosh Mainak)

“Blockchain Firms in Health Care: Where Are They, Who Survived and Why?” (idle)

“Biomedical Innovation in the Shadow of Litigation: Patentability Uncertainty & Strategic Reactions” (idle)

SHORT NOTE & DATA PRODUCTS

“Patent Classification Systems and Technological Categorization: An Overview and Update”

- Technical note at SSRN: <https://ssrn.com/abstract=3220033>; GitHub data repository: tinyurl.com/y88ojs8k

RESEARCH GRANTS

External Research or Travel Grants

Academy of Management Student Travel Scholarship Grant Award, 2019

Humane Studies Fellowship Grant (\$5,000), Institute for Humane Studies, 2018–2019

Research Travel Grant & Hayek Fund Awards, Institute for Humane Studies, 2017, 2018

Principal Investigator, National Undergraduate Research Innovation Grant (¥10,000≈\$1,600), “Longevity Risk and Old-Age Financing: The Case of Midlife Middle-Class Residences in Beijing and Shanghai,” Ministry of Education of the People’s Republic of China, 2009–2012

Principal Investigator, China Ping An National Academic Dissertation Contest (¥15,000≈\$2,400), awarded for 1st & 2nd prizes of papers, 2010 & 2011 (topics: longevity risk; health insurance for children of migrant workers)

China Banking Association Micro Entrepreneurship Investigator Grant, 2010

Internal Research or Travel Grants

MSP Research Support Fund (\$1,000) and Flex Grant (\$500), University of Massachusetts Amherst, 2021-2022

Principal Investigator, Cornell SC Johnson College of Business “Innovation, Entrepreneurship, and Technology” (IET) Theme Inaugural Travel Grant (\$2,000), 2019–2020

Conference Travel Grants (Graduate School; Economics; Policy Analysis & Management), Cornell, 2016–2020

Institute for Health Economics, Health Behaviors, and Disparities Student Grants (x5), Cornell, 2016–2020

Graduate School Research Travel Grant (\$2,000), Cornell University, 2019

Human Ecology Alumni Association Student Research Grant, Cornell Univ., 2016

Economics Department Masters’ Program Conference Travel Grant, Duke Univ., 2014

CUFE Summer Investigator Grants (Univ.-wide bid), Conference Grants (School of Insurance), 2009–2012

FELLOWSHIPS, AWARDS, & HONORS

Academy of Management *Best Paper Proceedings*, AOM technology & innovation mgnt (TIM) division, 2021
Best Paper Award, Wharton Innovation Doctoral Symposium, University of Pennsylvania, 2019
Young Scholar Best Paper Award (€500), European Policy for Intellectual Property, ETH Zürich & EPFL, 2019
Academy of Management *Best Paper Proceedings*, 2019 & *Outstanding Student Paper Award* (William H. Newman Award Divisional Nominee), 2019; Finalist for *Best Theory to Practice Paper*, AOM health care division, 2019
Flora Rose & Flemma Kittrell Summer Fellowship, Policy Analysis and Management, Cornell, 2019
Ernest Liu '64, Ta-Chung and Ya-Chao Liu Memorial Fellowship, Dept. of Economics, Cornell, 2018-2019
Young Researcher Best Paper Award, The 9th Conference on Health IT & Analytics, Washington D.C., 2018
CU-CIRTL *Scholar Certificate Award*, Center for the Integration of Research, Teaching & Learning, Cornell, 2018
Graduate Fellowship/Teaching Assistantship/Graduate Research Assistantship, Cornell, 2014-2018
Graduate Teaching Assistant Fellowship (\$1,000), Center for Teaching Innovation, Cornell, 2017-2018
Graduate Research and Teaching Fellowship (\$1,000), Center for Teaching Excellence, Cornell, 2016-2017
Department of Economics Master's Scholarship (Tuition Waiver), Duke Economics, 1/2013-5/2014
CUFE Excellent Undergraduate Scholarship, 2008-2012 & Top 10 Individuals/Teams in Research, 2010-2012
"Challenge Cup" National Academic Science & Technology Competition, 2nd prize in Beijing, 2011
China National Undergraduate Mathematical Contest in Modeling, 2nd prize National, 2010
National Insurance Education Hope Scholarship (¥8,000~\$1,170), Insurance Society of China, 2009

CONFERENCE, SEMINAR, & WORKSHOP PRESENTATIONS

2022: American Economic Association Annual Meeting (poster)⁺, virtual

2021: TIME Colloquium (discussant), TU Munich–LMU Munich–MPI, virtual; Columbia University (Mailman School of Public Health), virtual; Mannheim Centre for Competition and Innovation (MaCCI) Annual Conference (presenter & discussant), virtual; Max Planck Institute Spring Research Seminar, virtual; 19th International Industrial Organization Conference (presenter & discussant), virtual; Shanghai International College of Intellectual Property, virtual; Innovation Workshop, Ludwig Maximilian University of Munich, virtual; Spring Meeting of Young Economists (presenter & discussant), University of Bologna, virtual; Industry Studies Association Annual Conference (x2), virtual; 10th Conference of American Society of Health Economists (x4; presenters & discussants), virtual; TIME Colloquium, LMU-MPI-TUM, virtual; Treffen des Fachbeirats, MPI (poster), virtual; Intellectual Property & Innovation PhD seminar, Université de Lausanne, virtual; International Health Economics Association (iHEA) World Congress (x2, oral presenter & e-poster), virtual; Behavioral & Empirical Work in Progress (BEWIP) seminar, Technische Universität München (school of management), virtual; Annual Meeting of Academy of Management, virtual; European Policy for Intellectual Property (x2, main & PhD workshop)*, hybrid Madrid/online; KU Leuven (Management, Strategy and Innovation seminar), Belgium, virtual; North East Universities Development Consortium (NEUDC)⁺, Boston University, virtual; European Health Economics Association seminar⁺, virtual; iHEA Health System Efficiency special interest group webinar⁺, virtual

2020: American Economic Association Annual Meeting, San Diego; Max Planck Institute for Innovation and Competition, Munich, Germany; University of Massachusetts Amherst (Resource Economics); University of Illinois at Chicago; RAND Corporation, Washington, DC; Melbourne Institute: Applied Economic and Social

Research, University of Melbourne, Australia; National University of Singapore (Business School), virtual seminar; University of Sydney, Australia; 8th Annual Empirical Intellectual Property Law Conference (Covid-canceled), Univ. of Texas at Austin (Law School); 18th International Industrial Organization Conference (Covid-canceled), Philadelphia; Industry Studies Association Annual Conference, virtual; 9th Conference of the American Society of Health Economists (Covid-canceled), St. Louis; Chinese Economists Society North America Meeting, virtual; U.S. Food and Drug Administration Research Brownbag, virtual; Max Planck Institute Fall Research Seminar, Munich, Germany; NBER Entrepreneurship Working Group Meeting, virtual; New York University (Stern School of Business, MBA guest speaker), virtual

- 2019:** American Economic Association Annual Meeting (poster), Atlanta; Cornell SC Johnson College of Business IET-theme brownbag seminar; Industry Studies Association Conference (x2, healthcare; innovation), Nashville; 26th Consortium for Competitiveness and Cooperation (CCC) conference, Duke (Fuqua) & UNC-Chapel Hill (Kenan-Flagler); 8th Conference of the American Society of Health Economists (poster), D.C.; Medicines Patent Pool seminar, Geneva, Switzerland; International Health Economics Association World Congress, Basel, Switzerland; 19th Annual Intellectual Property Scholars Conference, DePaul Univ. (Law School), Chicago; Annual Meeting of Academy of Management, Boston; European Policy for Intellectual Property, ETH Zürich; Policy Analysis & Management seminar, Cornell; North East Universities Development Consortium (presenter & discussant), Northwestern Univ.; Wharton Innovation Doctoral Symposium (presenter & discussant); Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Seattle; Economics Graduate Student Conference, Washington Univ. in St. Louis; Association for Public Policy Analysis & Management Fall Research Conference, Denver; Applied Economics seminar, Cornell (Dyson); Cornerstone Research, New York City; NBER Productivity Seminar, Cambridge, MA; Charles River Associates, Boston; UC Berkeley (Haas School of Business) seminar; Econometric Society European Winter Meeting, Rotterdam
- 2018:** American Economic Association Annual Meeting (poster & interview), Philadelphia; 7th Annual Conference of the American Society of Health Economists (presenter & discussant), Emory, Atlanta; National CIRTL All-Network Teaching-as-Research Virtual Symposium; Conference on Health IT and Analytics (x2, conference & doctoral consortium), Univ. of Maryland (Smith Business School), D.C.; Interdisciplinary Graduate Research Colloquium, Herndon, VA; Econometric Society European Winter Meeting, Naples, Italy
- 2017:** Association for Public Policy Analysis & Management 39th Annual Fall Research Conference, Chicago; The 1st Annual Teaching as Research National Conference, Cornell, NY; *SPARK Talks* (2017 theme: “Expansion”): Scholars Present About Research and Knowledge, Cornell, NY
- 2016:** the 6th Biennial Conference of the American Society of Health Economists*, UPenn, PA; Association for Public Policy Analysis & Management 38th Annual Fall Research Conference (poster), DC
- 2014:** Asia-Pacific Economics Association 10th Annual Conference, Thailand; Chulalongkorn Univ., Thailand
- 2013:** Self-Help Credit Union (loan and micro-finance group seminar, x2), Durham, NC
- 2012:** Asia-Pacific Risk & Insurance Association 16th Annual Conference (presenter & discussant), SKK Univ., Seoul, South Korea; National Undergraduate Innovation and Entrepreneurship Conference*, China
- Pre-2011:** Cross-Strait Risk Management and Insurance Conference, Southwestern University of Finance and Economics, China, 2010; 5th China Insurance Education Symposium, Xiamen Univ., China, 2009

⁺ scheduled; *presented by co-author; seminar host is economics dept. if the dept./school is not specified

ADMITTED/INVITED DOCTORAL WORKSHOP ATTENDANCES

Invited Attendee, Roundtable on Empirical Methods in Intellectual Property, USPTO Headquarters, Virginia, 2019
Funded Attendee, Conference on Health IT and Analytics Doctoral Consortium, U of Maryland (Smith), D.C., 2018
Funded Attendee, Price Theory Summer Camp, Becker-Friedman Institute, University of Chicago, 2018
Funded Attendee, the NBER Digitization Tutorial and Winter Meeting (*funded by the Alfred P. Sloan Foundation*), Stanford Institute for Economic Policy Research, 2018; invited attendee, Stanford GSB, 2019, 2020
Fellow, the 9th NBER Entrepreneurship Research Boot Camp (*funded by the E.M. Kauffman Foundation*), 2016
Invited Attendee, the Annual NBER Summer Institute, Cambridge, MA, 2015, 2016, 2018
Invited Attendee and Excellent Paper Awardee, the 4th China Social Security Symposium, Beijing, China, 2010

RESEARCH APPOINTMENTS

RA for Prof. Sean Nicholson (Policy Analysis & Management, Cornell), Su2016; Su2017–Su2018; Su2019–Sp2020
RA for Prof. Michael Waldman (Johnson Business School, Cornell), 12/2016–5/2019 (part-time)
RA for Profs. Michael Lovenheim and Maria Fitzpatrick (PAM, Cornell), Summer 2015–Spring 2016
Student PI, supervised by Profs. Charlie Becker and Martin Zelder (Economics, Duke), Spring 2013–Spring 2014
RA for Prof. Campbell Harvey (Fuqua Business School, Duke Finance), 1/2013–2/2013

TEACHING EXPERIENCES

As an Instructor or Guest Instructor for Undergraduate & Graduate Courses:

Instructor, Intermediate Statistics for Business and Economics (undergrad.), UMass Amherst, Spring 2022 (*scheduled*)
Instructor, Health Economics (upper-level undergraduate), UMass Amherst, Fall 2021
Instructor, Mathematics Review Session for Management (MBA), Johnson Business School, Cornell, 8/7/2018
Instructor, Graduate Teaching Excellence Program (Ph.D.) Training Sessions, Cornell, (2/15, 3/8, 3/29)/2018
Guest instructor, “Why Firms Fail? Mini-Case Studies of Enron & Theranos” for Corporations, Shareholders, and Policy (Undergraduate & Masters’ Level), Prof. Rick Geddes, Cornell, 2/9/2017

As a Teaching Assistant for Graduate and Professional Courses:

Microeconomics for Management (MBA), Prof. Michael Waldman, Cornell, Fall 2018 (*head TA*)
Microeconomics for Management (Finance EMBA), Prof. Armin Rick, Cornell-Tsinghua, Oct. 2016, 2017
Microeconomics for Management (One-Year MBA), Prof. Michael Waldman, Cornell, Jun. 2017
Corporations, Shareholders, and Policy, Prof. Rick Geddes, Cornell, Spring 2017
Computer Modeling for Policy Analysis, Prof. Edward Tower, Duke, Spring 2014

As a Grader for Graduate Econometric Courses:

Empirical Strategies for Policy Research II (Ph.D.), Prof. Zhuan Pei, Cornell, Spring 2018
Applied Microeconometrics (Masters’ level), Prof. Daniel Yi Xu, Duke, Spring 2014

As a Teaching Assistant for Undergraduate Courses:

Corporations, Shareholders, and Policy, Prof. Rick Geddes, Cornell, Spring 2017
Public Finance - Economics of the Public Sector, Prof. Brandon Tripp, Cornell, Fall 2016
Introductory Microeconomics, Prof. Jennifer Wissink, Cornell, Fall 2014

As a Co-Instructor for Graduate and Post-Doctoral Professional Workshops:

“Enhance Teaching with Research-Based Practices” (with Jeffrey Mulligan), Cornell, 3/17/2018
“Teaching and Leadership Development” (with Matt Hankins), Cornell, 10/28/2017
“Overcoming Anxiety about Public Speaking” (with Jack Madden), Cornell, 10/14/2017
“Using Theater Techniques to Enhance Your Teaching” (with Mary Centrella), Cornell, 4/11/2017
“Flipping the Classroom as a TA” (with Minji Kim), Univ.-wide Conference, Cornell, 3/4/2017
“Using a Case-Study Approach to Teaching” (with Catherine Spirito), Cornell, 11/16/2016

CASE AND TEACHING MATERIALS

“Connecting with Reality: Using Mini-Case Study Approach to Facilitate and Assess Student Learning,” 2017,
Cornell University Classroom Research Working Paper Series, Volume 6

MENTORING EXPERIENCES

Faculty Mentor, Mentoring Workshop for Women & Non-binary PhD Students in Health Economics & Health
Policy (virtual), AEA Committee on the Status of Women in the Economics Profession (CSWEP), Fall 2021
Fellow Mentor and Leader for Graduate Research and Teaching Fellows, Cornell University, 2017-2018
Mentor, Cornell Ph.D. Peer-Mentoring Program, Dept. of Economics, Cornell University, 2017-2018
Certificate of Completion of Research Mentoring Training, Cornell University, 4/2017
Ad Hoc Reference for a Cornell Freshman Summer External Internship Application (accepted), 12/2014

Student Mentoring/Advising:

Ann-Christin Kreyer (2020-now; Ph.D. student at Munich Graduate School of Economics & Max Planck Institute
for Innovation and Competition, Germany)
Nicholas Wilson (2020-now; Master’s student at Ludwig Maximilian University of Munich, Germany)
Robin Wang (Spring 2018; B.S. Economics, Cornell, 18’ *summa cum laude*; research mentoring for her undergraduate
honors thesis, which won the “Best Thesis in Health Economics” prize); 1st placement: UPenn Medical School

PROFESSIONAL SERVICES

Referee: American Economic Review; Demographic Research; Health Economics; Health Information
Management Journal; Information System Research; Journal of Labor Economics; Management Science;
Production and Operations Management; Research Policy; Social Science Research
Scientific Review Committee: American Society of Health Economists Conference, 2018, 2019, 2020, 2021;
Academy of Management Conference, 2018; Award Committee member for the AOM Health Care
Management Division Outstanding Paper Based on a Dissertation, 2020; Member on the Advisory Board of
the 4th Research on Innovation, Science and Entrepreneurship Workshop (RISE), virtual/Germany, 2021
Department Service: Faculty Member on the Graduate Studies Committee, UMass Amherst, 2021-2022
PhD Admission Committee: Max Planck Institute for Innovation and Competition, Germany, 2021 (served on two
programs: Master of Business Research and Munich Graduate School of Economics)
Panelist: Cornell semi-annual Symposium “*Exploring and Preparing for Faculty Careers with an International
Lens*,” 2021; Cornell CIRTL Academic Job Search Panel Discussion, 2020
Co-organizer/Facilitator: Univ.-wide Conferences for Teaching and Learning (Spring 2017, Fall 2017), Cornell
Others: Founder of the “Fledgling Eagle Project/Scholarship” for migrant children in rural Beijing, 2010

SELECTED MEDIA COVERAGE

Featured in *Written Description* by Prof. Lisa Larrimore Ouellette, 9/2019, “Lucy Xiaolu Wang on the Medicines Patent Pool”: <https://writtendescription.blogspot.com/2019/09/lucy-xiaolu-wang-on-medicines-patent.html>
Highlighted in American Economic Association 2018 Annual Meeting poster videos for selected interviews, 1/2018, a short video is available at: <https://www.aeaweb.org/conference/videos/2018/lucy-xiaolu-wang>; also included in "Videos on economists and their research" ([page](#)) - a project by the AEA's CSMGEP, CSWEP, and Div.E.Q.
Graduate School Student Spotlight, Cornell University, 4/2017, graduate school interview on research, teaching, and learning: <https://gradschool.cornell.edu/spotlights/lucy-wang/>
Guest student speaker for the program “Afternoon Tea of Finance,” China Central Television (CCTV-2) – National Finance and Economics Channel, Beijing, China, 8/2010 (in Chinese)

SKILLS

Software/Programming: Stata, MATLAB, GitHub, R, LyX; basics in Parallel Programming, Java, Python
Operating Systems: macOS, Windows, Unix
Languages: Chinese (native), English (fluent), German (advanced beginner), Japanese (absolute beginner)

PERSONAL

Citizenship: P.R. China. Born and raised in Tongling, Anhui, China. DOB: July 2nd, 1990. Gender: Female.