

CHUNCHENG LIU 刘春成

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Address: Microsoft Research New England Lab,

1 Memorial Drive, Cambridge, MA 02142, USA

ACADEMIC POSITIONS

2023- Postdoctoral Researcher, Socio-Technical Systems Lab, Microsoft Research New England

EDUCATION

2023 Ph.D., Sociology & Science Studies, University of California San Diego

2019 M.A., Sociology & Science Studies, University of California San Diego

2015 B.A., Sociology, Sun Yat-sen University (*summa cum laude*)

RESEARCH INTERESTS

Science and Technology Studies; Political Sociology; Critical Data Studies; Transnational and Global Sociology; Economic Sociology; Surveillance; Medical Sociology; Global Health; Mixed Methods; Ethnography

PEER-REVIEWED PUBLICATIONS

* = equal authorship

2023 Trauth-Goik A* & **Liu C.*** Black or Fifty-Shades of Grey? The Power and Limits of the Chinese Social Credit Blacklist System. *Journal of Contemporary China*.

2022 **Liu C.** Seeing Like a State, Enacting Like an Algorithm: (Re)assembling Contact Tracing and Risk Assessment during COVID-19. *Science, Technology & Human Values*. 47(4): 689-825.

❖ Hacker-Mullins Graduate Student Paper Award, Science, Knowledge, and Technology Section, American Sociological Association (2022)

2022 **Liu C.** Who Supports Expanding Surveillance? Exploring Public Opinion of Social Credit Systems in China. *International Sociology*. 37(3): 391-412.

❖ Reported in Stanford Center on China's Economy and Institutions (SCCEI) Policy Brief

2022 Au L*, Fu Z*, **Liu C.*** It's (not) like the Flu: Resonant Expertise and the COVID-19 Pandemic in Mainland China, Hong Kong, and the United States. *Sociological Forum*. 37(3), 722-743.

2021 **Liu C.*** & Graham R*. Making Sense of Algorithms: Relational Perception of Contact Tracing and Risk Assessment during COVID-19. *Big Data & Society*. 8(1).

❖ Reported in *The Conversation* [[Link](#)], reposted by ABC, Qrius, Business World, etc.

- 2021 Pan SW, Shen GC, **Liu C**, His JH. Coronavirus Stigmatization and Psychological Distress among Asians in the United States. *Ethnicity & Health*. 26(1), 110-125.
- 2020 **Liu C**. "Red is not the only color of a rainbow": The Making and Resistance of the "MSM" Subject among Gay Men in China. *Social Science & Medicine*. 252, 112947.
- ❖ Distinguished Article Award (*Honorable mention*), Sociology of Sexualities Section, American Sociological Association (2021)
 - ❖ Martin Levine Student Paper Award, Sociologists AIDS Network, American Sociological Association (2019)
- 2020 **Liu C** & Meyers K. Beyond Clinical Trials: Social Outcomes of Structured Stakeholder Engagement in Biomedical HIV Trials in China. *Culture, Health & Sexuality*. 22(12), 1365-1381.
- 2020 **Liu C***, Zhang Y*, Pan SW, Cao B, Ong JJ, Fu H, Wu D, Fu R, Wei C, Tucker JD, Tang W. Anticipated HIV Stigma Among HIV Negative Men Who Have Sex with Men in China: A Cross-Sectional Study. *BMC Infectious Diseases*. 20, 44.
- ❖ Best Paper Award, Lancet-CAMS Health Summit Conference (2017)
- 2020 Smith MK, Wei C, **Liu C**, Pan SW, Tucker JD. Gender Identity and Sexual Orientation in Chinese Men who have Sex with Men: A Latent Class Analysis. *Archives of Sexual Behaviors*. 49, 721-731.
- 2020 Smith MK, Cao B, Fu R, Zhao Y, **Liu C**, Lazard AJ, Tucker JD. Leveraging Crowdsourcing for HIV Testing Posters: A Visual Content Analysis and Cognitive Responses Among Chinese Men Who Have Sex with Men. *Sexually Transmitted Diseases*. 47(9), 580-586.
- 2020 Wu D, Yang E, Huang W, Tang W, Xu H, **Liu C**, Baral S, Day S, Tucker JD. Homo-prejudiced Violence among Chinese Men Who Have Sex with Men: A Cross-Sectional Analysis in Guangzhou, China. *BMC Public Health*. 20, 400.
- 2019 Tang W, Mao J, **Liu C**, Mollan K, Zhang Y, Tang S, Hudgens M, Ma W, Kang D, Wei C, Tucker JD. Reimagining Health Communication: A Non-Inferiority Randomized Controlled Trial of Crowdsourced Intervention in China. *Sexually Transmitted Diseases*. 46(3), 172-178.
- 2019 Huang W, Wu D, Pan SW, Li K, Ong JJ, Fu H, **Liu C**, Mao J, Tucker JD, Tang W. Driving Force of Condomless Sex after Online Intervention among Chinese Men who have Sex with Men. *BMC Public Health*. 19, 978.
- 2019 Wu D, Tang W, Lu H, Zhang TP, Cao B, Ong JJ, Lee A, **Liu C**, Huang W, Fu R, Li K, Pan SW, Zhang Y, Fu H, Wei C, Tucker JD. Leading by Example: Online Sexual Health Influencers among Men who Have Sex with Men Have Higher HIV and Syphilis Testing Rates in China. *Journal of Medical Internet Research*. 21(1), e10171.
- 2019 Cao B, Shaffer A, Cui Y, Pan SW, Durvasula M, **Liu C**, Fu H, Ong JJ, Tang W, Tucker JD. MSM Behavior Disclosure Networks and HIV Testing: An Egocentric Network Analysis among MSM in China. *AIDS & Behavior*. 23(5), 1368-1374.
- 2019 Pan X, Zhang A, Henderson G, Rennie S, **Liu C**, Wu F, Tucker JD. Traditional, Complementary and Alternative Medical Cures for HIV: Rationale and Implications for HIV Cure Research. *Global Public Health*. 14(1), 152-160.

- 2019 Cao B, Pooja TS, Leuba S, Lu H, Tang W, Wu D, Ong J, Liu C, Rong F, Wei C, Tucker JD. Recalling, Sharing and Participating in a Social Media Intervention Promoting HIV Testing: A Longitudinal Analysis of HIV Testing Among MSM in China. *AIDS & Behavior*. 23(5), 1240-1249.
- 2019 Pan SW, Durvasula M, Ong JJ, Liu C, Tang W, Fu H, Wei C, Wang C, Terris-Presholt F, Tucker JD. No place like home? Disentangling Preferences for HIV Testing Locations and Services among Men who Have Sex with Men in China. *AIDS & Behavior*. 23(4), 847-859.
- 2019 Durvasula M, Pan SW, Ong JJ, Tang W, Cao B, Liu C, Terris-Presholt F, Tucker JD. Enhancing Public Health Messaging: Discrete Choice Experiment Evidence on the Design of HIV Testing Messages in China. *Medical Decision Making*. 39(5), 568-582.
- 2019 Liu F, Qin Y, Meng S, Zhang W, Tang W, Han L, Liu C, Zhang Y, Huang S, Zheng H, Yang B, Tucker JD. HIV Self-testing among Men who have Sex with Men in China: A Qualitative Implementation Research Study. *Journal of Virus Eradication*. 5(4), 220-224.
- 2018 Liu C, Fu R, Tang W, Cao B, Pan SW, Wei C, Tucker JD, Smith MK. Transplantation or Rurality? Migration and HIV Risk among Chinese Men who have Sex with Men in the Urban Areas. *Journal of the International AIDS Society*, 21(1), e25039.
- 2018 Tang W, Liu C, Cao B, Pan SW, Ong J, Fu H, Ma B, Fu R, Yang B, Ma W, Wei C, Tucker JD. Receiving HIV Serostatus Disclosure from Partners Before Sex: Results from an Online Survey of Chinese Men Who Have Sex with Men and Transgender Individuals. *AIDS & Behavior*. 22(12), 3826-3835.
- 2018 Wang C, Tucker JD, Liu C, Zheng H, Tang W, Li L. Condom Use Social Norms and Self-efficacy with Different Kinds of Male Partners among Chinese Men who Have Sex with Men: Results from an Online Survey. *BMC Public Health*. 18, 1175.
- 2018 Mao J, Tang W, Liu C, Wong NS, Tang S, Tucker JD. Sex Tourism among Chinese Men who have Sex with Men: A Cross-Sectional Observational Study. *BMC Public Health*. 18(1), 306.
- 2018 Tucker JD*, Tang W*, Li H*, Liu C, Fu R, Tang S, Cao B, Wei C, Tangthanasup TM. Crowdsourcing Designathon: A New Model for Multisectoral Collaboration. *BMJ Innovations*. 4(2), 46-50.
- 2018 Zhao P, Liu L, Zhang Y, Cheng H, Cao B, Liu C, Wang C, Tucker JD, Tang W. The Interaction between HIV Testing Social Norms and Self-efficacy on HIV Testing among Chinese Men who Have Sex with Men: Results from an Online Cross-Sectional Study. *BMC Infectious Diseases*. 18(1), 541.
- 2018 Watson J, Tang W, Pan SW, Wu D, Zhao P, Cao B, Liu C, Bien C, Liu W, Luo Z, Tucker JD. Out of the Closet, Into the Clinic: Opportunities for Expanding MSM-Competent Services in China. *Sexually Transmitted Diseases*. 45(8), 527-533.
- 2018 Tang W, Wei C, Cao B, Wu D, Li K, Lu H, Ma W, Kang D, Li H, Liao M, Mollan KR, Hudgens MG, Liu C, Huang W, Liu A, Zhang Y, Smith MK, Ong JJ, Fu H, Vickerman P, Yang L, Wang C, Zheng H, Yang B, Tucker JD. Crowdsourcing to Expand HIV Testing Services: A Closed Cohort Stepped Wedge Cluster Randomized Controlled Trial. *PLoS Medicine*. 15(8), e1002645.
- 2018 Ong J, Wu D, Huang W, Fu H, Desmond N, Ma W, Kang D, Liao M, Marley G, Wei C, Tang W, Liu C, Zhang Y, Pan SW, Yang B, Yang L, Huang S, Tucker JD. Pressured HIV Testing in the Name of Love: A Mixed Methods Analysis of Pressured HIV Testing among Men who have Sex with Men in China. *Journal of the International AIDS Society*. 21(3), e25098.

- 2018** Ong J, Li H, Dan W, Fu H, Liu E, Ma W, Kang D, Liao M, Marley G, Wei C, Tang W, Pan S, **Liu C**, Desmond N, Yang B, Tucker JD. Coercion and HIV Self-Testing in Men Who Have Sex with Men: Implementation Data from a Cross-Sectional Survey in China. *Journal of AIDS*. 77(2), 22-25.
- 2017** Zhang T*, **Liu C***, Han L*, Tang W, Mao J, Wong T, Zhang Y, Tang S, Yang B, Wei C, Tucker J. Community Engagement in Sexual Health and Uptake of HIV Testing and Syphilis Testing among MSM in China: A Cross-sectional Online Survey. *Journal of the International AIDS Society*, 20(1), 21372.
- 2017** Cao B, **Liu C**, Durvasula M, Tang W, Pan S, Wei C, Tucker J. Social Media Engagement and HIV Testing among Men who have Sex with Men in China. *Journal of Medical Internet Research*. 19(7), e251.
- 2017** Cao B, **Liu C**, Stein G, Tang W, Yang B, Huang S, Wei C, Tucker J. Faster and Riskier? Online Context of Sex Seeking Among MSM in China. *Sexual Transmitted Diseases*. 44(4), 239-244.
- 2017** Tang W, Mao J, Tang S, **Liu C**, Mollan K, Cao B, Wong T, Qin Y, Han L, Ma B, Yang B, Ma W, Wei C, Tucker J. Disclosure of Sexual Orientation to Health Professionals in China: Results from an Online Cross-Sectional Study. *Journal of International AIDS Society*. 20(1), e21416.
- 2016** **Liu C***, Mao J*, Wong T*, Tang W, Tso LS, Tang S, Zhang Y, Zhang W, Qin Y, Kang D, Li H, Liao M, Mollan K, Hudgens M, Bayus B, Huang S, Yang B, Wei C, Tucker J. Comparing the Effectiveness of a Crowdsourced Video and a Social Marketing Video in Promoting Condom Use among Chinese Men who have Sex with Men: A Study Protocol. *BMJ Open*, 6(10), e010755.
- 2016** Tang W, Tang S, Qin Y, Zhang Y, Zhang W, **Liu C**, Tso LS, Wei C, Yang L, Huang S, Yang B, Tucker J. Will Gay Sex-seeking Mobile Phone Applications Facilitate Group Sex? A Cross-Sectional Online Survey among Men who have Sex with Men in China. *PLOS One*. 11(11), e0167238.
- 2015** Rich Z, **Liu C**, Ma Q, Hu F, Tucker J. Physician Perceptions of HIV Cure in China: A Mixed Methods Review and Implications for HIV Cure Research. *Asian Pacific Journal of Tropical Disease*. 5(9), 687-690.

BOOK CHAPTERS

- 2023** **Liu C**. A Tale of Two Social Credit Systems: The Succeeded and Failed Adoption of Machine Learning in Sociotechnical Infrastructures. *Oxford Handbook of the Sociology of Machine Learning*, edited by Christian Borch and Juan Pablo Pardo-Guerra. Oxford: University of Oxford Press.

OTHER JOURNAL PUBLICATIONS

- 2021** **Liu C**. Chinese Public's Support for COVID-19 Surveillance in Relation to the West. *Surveillance & Society*. 19(1), 89-93.
- 2019** **Liu C**. Multiple Social Credit Systems in China. *Economic Sociology: The European Electronic Newsletter*. 21(1): 22-32.
- 2016** **Liu C**. Stereotype and Masculinity: A Gender Perspective to Review the Male Nurse. *Sexuality Research in China*. 2(1), 362-374. (刻板印象与男性气质：性别视角下的男护士)

WORKING IN PROGRESS

Liu C. Governing Everything: The Sociotechnical Life of a Chinese Social Credit System (*book manuscript*)

Liu C & Rona-Tas A. Trusting by Numbers: An Analysis of a Chinese Social Credit System Infrastructure

Liu C & boyd d. The State's Politics of Fake Data.

Liu C & Liu C. The Big Problem of Big Data-Driven Governance.

Liu C, von Blomberg M & Chen Y. The Making of the Techno-Dystopian Chinese Social Credit System

Fu Z & Liu C. Contextual Transphobia in China: An Online Experiment

HONORS & AWARDS

- 2022** Hacker-Mullins Graduate Student Paper Award, Science, Knowledge, and Technology Section, American Sociological Association
- 2021** Distinguished Article Award (*Honorable Mention*), Sociology of Sexualities Section, American Sociological Association
- 2020** Best Graduate Student Paper Prize, China and Inner Asia Council, Association for Asian Studies
- 2019** Martin Levine Student Paper Award, Sociologists' AIDS Network, American Sociological Association
- 2018** SAN Scholarly Activity Award, Sociologists' AIDS Network, American Sociological Association
- 2017** Best Paper Award, Lancet-CAMS Health Summit
- 2015** Undergraduate Honors Student, Sun Yat-sen University
- 2015** Undergraduate Honors Thesis, Sun Yat-sen University
- 2014** Merit Scholarship, Sun Yat-sen University

FELLOWSHIPS & GRANTS

External

- 2022** Doctoral Fellowship, Chiang Ching-Kuo Foundation, \$20,000
- 2022** Dissertation Grant, Horowitz Foundation for Social Policy, \$7,500
- 2021** Doctoral Dissertation Research Improvement Grant, American Sociological Association, \$16,000
- 2021** Research Travel Grant, China and Inner Asia Council, Association for Asian Studies, \$2,500
- 2020** Surveillance Studies Network Small Grant, Surveillance Studies Network, €500
- 2020** Overseas Young Chinese Forum-Chow Fellowship, Overseas Young Chinese Forum, \$3,500
- 2017** Rainbow Scholar Fellowship, China Rainbow Network, \$1,500

Internal (UC San Diego)

- 2022** Science Studies Program Dissertation Writing Grant
- 2020** Graduate Student Research Fellowship, International Institute
- 2020** Data Analytic Governance and Accountability Fellowship, Institute of Practical Ethics
- 2019** PhD Research Fellowship, Institute of Practical Ethics
- 2018** Research and Travel Grants, Science Studies Program

2018 Graduate Student Research Fellowship, International Institute

2017 Graduate Student Research Grant, Department of Sociology

PROFESSIONAL EXPERIENCE

2022 Research Intern (*supervised by Dr. danah boyd*)
Sociotechnical Infrastructures Project, Microsoft Research New York, New York, United States

2018 Project Evaluator (*supervised by Dr. Kathrine Meyers*)
Aaron Diamond AIDS Research Center, Rockefeller University, New York, United States

2015- Research Assistant & Project Coordinator (*supervised by Professor Joseph Tucker*)

2017 UNC Project-China, University of North Carolina - Chapel Hill, Chapel Hill, United States

CONFERENCE PRESENTATIONS (*selected*)

2023 Liu C. & boyd d. The State's Politics of Fake Data.

- American Sociological Association Annual Conference, Philadelphia
- Society for Social Studies of Science Annual Conference, Cholula.

2022 Liu C. Sense and Sensitivity: On "Politically Sensitive" Qualitative Research in China. Society for Social Studies of Science Annual Conference, Cholula.

2022 Liu C. Who Supports Expanding Surveillance? Exploring Public Opinion of Social Credit Systems in China. Society for the Advancement of Socio-Economics Annual Meeting, Amsterdam.

2022 Liu C. Datafication in Action: The Production of the Social Credit Data in China.

- Society for the Advancement of Socio-Economics Annual Meeting, Amsterdam
- American Sociological Association Annual Conference, Los Angeles
- Categories, Digital Reconfiguration and Mobility in China, Copenhagen

2021 Liu C. Algorithm in Action: Reassembling the Contact Tracing and Risk Assessment in a Pandemic.

- American Sociological Association Annual Conference, Virtual
- Association of Asian Studies Annual Conference, Virtual

2021 Au L*, Fu Z*, Liu C*. It is (not) like the Flu: Resonant Expertise and the COVID-19 Pandemic in Mainland China, Hong Kong, and the United States. Society for the Advancement of Socio-Economics Annual Meeting, Virtual.

2020 Liu C. Governance in the Name of Trust: Examination of a Social Credit System in China.

- Society for Advancement of Socio-Economics Annual Meeting, Virtual

2019 Liu C. To identify as MSM or not: Dynamic between Public Health Classification and Gay Men in the Authoritarian Regime of China. American Sociological Association Annual Meeting, New York.

2018 Liu C*, Zhang Y*, Pan S, Ong J, Fu H, Lu H, Wei C, Tucker J, Tang, W. Anticipated HIV Stigma and HIV Testing among Chinese Men who have Sex with Men: A Longitudinal Cohort Analysis.

- International AIDS Conference (AIDS 2018), Amsterdam.
- Lancet-CAMS Health Summit, Beijing.

- 2017** **Liu C**, Fu R, Tang W, Cao B, Wei C, Tucker J, Smith K. Outsider or Farmer? Deconstructing the Role of Migration in the HIV Risk of Chinese Men who have Sex with Men. International AIDS Society Conference on HIV Science (IAS2017), Paris.
- 2016** Zhang T*, **Liu C***, Han L*, Tang W, Mao J, Wong T, Zhang Y, Tang S, Yang B, Wei C, Tucker J. Community engagement and HIV/syphilis Testing among High-risk MSM in China: A Cross-sectional Online Survey. International Union of Sexually Transmitted Infections Asia-Pacific Conference (IUSTI-APC), Okayama.
- 2016** **Liu C***, Mao J*, Wong T*, Tang W, Tso LS, Tang S, Zhang Y, Zhang W, Qin Y, Chen Z, Ma W, Kang D, Li H, Liao M, Mollan K, Yang B, Wei C, Tucker J. "Crowdsourcing Versus Social Marketing Video Campaigns to Promote Condom Use: A Non-Inferiority Randomized Controlled Trial among MSM and Transgender Individual in China". International Behavioral Health Conference, Hong Kong.
- 2015** **Liu C**. "The Politics of Naming: The Creating and Implementation of 'Man who had sex with Man'". The Methodology and Theory in Sexuality Study, Beijing. (in Chinese)
- 2015** **Liu C**. "Stereotype and Masculinity: A Gender Perspective to Review the Male Nurse". Conference of Sexualities in China, Beijing. (in Chinese)

INVITED TALKS

- 2022** Doing China-related Research in COVID-19, Royal Melbourne Institute of Technology, Virtual.
- 2021** The Digital State: Technology and Government in Pandemic Times, King's College London, Virtual.

TEACHING & MENTORING

- 2020-** Guest Lecturer
- Digital Sociology (University of Milan, 2021)
 - Economic Sociology (Boston University, 2020)
 - Technology and Society (Arizona State University, 2020)
- 2020-** Graduate Student Advocate
- 2021** Summer Training Academy for Research Success (STARS) Program, UC San Diego
- 2019-** Graduate Student Mentor
- 2020** Undergraduate Research Apprenticeship, UC San Diego
- 2018-** Teaching Assistant
Sociology Department and Urban Studies Program, UC San Diego
- SOCI 40. Sociology of Health Care Issues (2020 Spring, 2021 Spring); SOCI 70. General Sociology for Pre-Med Students (2019 Winter, 2020 Winter, 2021 Winter); SOCI 165. Predicting the Future (Spring 2022); SOCI 131. Sociology of the AIDS Epidemic (2018 Fall); SOCI 140. Sociology of Law (2019 Fall, 2020 Fall); USP 3. City and Social Theory (2018 Winter)

PUBLIC WRITINGS

- 2022** **Liu C**. How Chinese Citizens See Social Credit? *UC San Diego China Data Lab Blog*. [[Link](#)]

2022 **Liu C.** Is My Fieldwork Sensitive? *States, Power, & Societies*. Spring/Summer, 9-10.

MEDIA APPERANCES

2023 *CEIBS Business Review*. Social credit system and individual: Complex experience and operation. [[Link](#)]

2021 *The Conversation*. China's 'surveillance creep': How big data COVID monitoring could be used to control people post-pandemic. Translated and reposted by: *ABC, Qrius, Business World*, etc. [[Link](#)]

2021 *Rest of World*. To survive, China's biggest gay dating app became a pharmacy. [[Link](#)]

PROFESSIONAL SERVICES

2023 Co-Organizer, The Politics of Data beyond Representation. Society for Social Studies of Science Annual Conference, Honolulu (with danah boyd and Jayshree Sarathy)

2023 Co-Organizer, The Politics of Data and Quantification in the Public Sector. Science, Knowledge and Technology Section, American Sociological Association Annual Meeting, Philadelphia (with danah boyd)

2022 Co-Organizer, Reconfiguring Knowledge Production of China in the "New Normal." Society for Social Studies of Science Annual Conference, Cholula (with Yuchen Chen, Chang Liu, and Alex Lu).

EDITORIAL SERVICES

2023 Special Issue co-editor: *Critical Sociology*

2022- Editorial board member: *Journal of Intelligent Society* (智能社会研究)

Ad Reviewer

hoc *ACM FAccT 2022; American Journal of Sociology; AIDS & Behavior, AIDS Care; Archives of Sexual Behavior; Big Data & Society; BMC Infectious Diseases; BMC Public Health; Economy & Society; Governance; Global Public Health; Information, Communication & Society; International Journal of Communication; Journal of Contingencies and Crisis Management; Journal of Data Science; Journal of the International AIDS Society; Journal of Homosexuality; New Media & Society; PLOS One; Policy & Internet; Science, Technology & Human Values; Sexually Transmitted Diseases; Sexually Transmitted Infections; Sexual Health; Social Problems; Social Science & Medicine; SSM - Qualitative Research in Health; Socio-Economic Review; The Sociological Review; Sociology Compass; Sustainable Cities & Society; Surveillance & Society*

ADDITIONAL

Computing R, STATA, MAXQDA

Member American Sociological Association, Association of Asian Studies, Society for the Advancement of Socio-Economics, Society for Social Studies of Science, Sociologists' AIDS Network