

RICKY LEUNG, PhD.

School of Public Health, University at Albany, SUNY
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EDUCATION

- 2008 **Ph.D.** (Sociology—Majors: Complex Organizations, Sociology of Science, Health), University of Wisconsin-Madison. (Committee: Joan Fujimura, Erik Wright, Kjell Doksum (statistics), Clark Miller (public policy), Robert Freeland)
- 2003 **M.S.** University of Wisconsin-Madison, Department of Sociology. Thesis Advisor (James Montgomery, Ph.D.)
- 2000 **M.Phil.** Hong Kong University of Science & Technology, Division of Social Science. Thesis Advisor (Barry Sautman, Ph.D.)
- 1997 **B.A.** (Honors), University of Hong Kong, Departments of Philosophy and Psychology

PROFESSIONAL TRAINING

- 2014 **Completion of Medical Informatics Course at** Harvard T.H. Chan School of Public Health (Summer MPH)
- 2008-2010 **Postdoctoral Associate**, Strategic Management and Operations, University of Minnesota. Postdoctoral Mentors (Andrew Van de Ven, Ph.D. & Roger Schroeder, Ph.D.)

EMPLOYMENT

- 2022 – Present **Adjunct Associate Professor**, Department of Sociology, Chinese University of Hong Kong
- 2019 - Present **Associate Professor (tenured)**, Department of Health Policy & Management, University at Albany School of Public Health, State University of New York
- 2013 – 2019 **Assistant Professor**, Department of Health Policy & Management, University at Albany School of Public Health, State University of New York
- 2010 - 2013 **Assistant Professor**, Department of Health Management & Informatics, University of Missouri School of Medicine.
- 2007 - 2008 **Visiting Assistant Professor**, Department of Sociology, Brown University

PUBLICATIONS (H-INDEX = 36 BY GOOGLE SCHOLAR)

ORGANIZATION THEORY & SOCIAL NETWORK

1. **Leung, R.** 2013. "Networks as Sponges: International Networks for Developing Nanomedicine in China" *Research Policy* 42: 211-219. DOI: 10.1016/j.respol.2012.05.001 (**Impact Factor: 4.66**)
2. Van de Ven, A., **Leung, R.**, Bechara, J. & Sun, K. 2012. "Changing Organizational Designs and Frontiers of Healthcare Clinics," *Organization Science* 23: 1055-1076. <http://dx.doi.org/10.1287/orsc.1110.0694> (**Impact Factor: 3.03**)
3. **Leung, R.** 2012. "Health Information Technology and Dynamic Capabilities" *Health Care Management and Review* 37(1): 43–53. doi: 10.1097/HMR.0b013e31823c9b55 (**Impact Factor: 2.48**).
4. **Leung, R.** 2012. "Network-Building in the Innovation Journey: How Chinese Science Institutes Jump on the Nanotech Bandwagon" *East Asian Science, Technology and Society: An International Journal* 6(2): 167-197. doi:10.1215/18752160-1190846
5. **Leung, R.** 2012. "Cluster-Based Advantages in the Innovation Process: The Diffusion of Nanotechnology in Two Chinese Cities" *Frontiers of Business Research in China* 6(1): 25-54. DOI 10.3868/s070-001-012-0002-3
6. **Leung, R.** & K. Pasupathy. 2011. "The Economics of Social Computing: Some Preliminary Findings on Healthcare Organizations," *Journal of Computational Science* 2(3): 253-261. doi:10.1016/j.jocs.2011.06.001 (**Impact Factor: 1.93**)

HEALTH & SOCIETY

7. **Leung, R.** 2019. Expanding JMIR in the next twenty years. *Journal of Medical Internet Research* 21(10): e17162 (**Impact Factor: 4.94**)
8. **Leung, R.**, Hastings, J. F., Keefe, R. H., Brownstein-Evans, C., Chan, K. T., & Mullick, R. 2016. Building Mobile Apps for Underrepresented Mental Healthcare Consumers: A Grounded Theory Approach. *Social Work in Mental Health* 14(6): 625-636. DOI:10.1080/15332985.2015.1130010
9. Guo H, Yang J, **Leung R.** 2016. Research on Information Stickiness, Interfacial Coupling and Organizational Rejuvenation, Based on 6 "China Time-honored Brands" by the Method of Grounded Theory (Chinese). *Qingbao Kexue (Information Science in Chinese—top journal in China)* 35(2): 77-82. (**Impact Factor: 0.859**)

10. Zou, Y., **Leung, R.**, Lin, S., Yang, M., Lu, T., Li, X., Gu, J. Hao, C., Dong, G. & Hao, Y. 2016. Attitudes towards suicide in urban and rural China: a population based, cross-sectional study. *BMC psychiatry*, 16: 162-172. DOI: 10.1186/s12888-016-0872-z (**Impact Factor: 2.42**)
11. Asinor, C. §, **Leung, R* (Corresponding Author)**. 2016. Health Records Management Practices in Ghana: An Exploratory Study. *International Journal of Development Research* 6(10). (**Impact Factor: 4.25**).
12. Sa, E. §, **Leung, R* (Corresponding Author)**. 2016. The Enabling Role of Social Media for Chinese Immigrants' Health: A Pilot Study. *Journal of Nursing and Care* 5:356.
13. **Leung R**, Huang Y, Lin S, Dong G, Qin X, Li J, Guo, H. 2015. Perceived Efficacy of Mobile Apps as Enablers of Mental Health Treatment: Preliminary Survey Results from Chinese Young Adults. *Journal of International Research in Medical and Pharmaceutical Sciences*, 5(1): 60-63.
14. **Leung R**, Li J. 2015. Using social media to address Asian immigrants' mental health needs: A systematic literature review. *Journal of Nature and Science*, 1(4):e66.
15. Isidro-Filho, A., Guimarães, T., Perin, MG, **Leung, R.** 2013. Workplace Learning Strategies and Professional Competencies in Innovation Contexts in Brazilian Hospitals. *BAR - Brazilian Administration Review* 10(2): 121-134 <http://dx.doi.org/10.1590/S1807-76922013000200002>

DATA SCIENCE & ANALYTICS

16. **Leung, R.** forthcoming. “Evaluating job performance and attrition with machine learning models” to be submitted in *Academy of Management Perspectives* or similar journal.
17. **Leung, R. forthcoming.** Using Real World Evidence in Clinical Trials (tentative title). To be submitted to *International Journal of Environmental Research and Public Health*
18. Lin, S., Lawrence, W. §, Lin, Z., DiRienzo, S., Lipton, K., Dong, G., **Leung, R.**, Lauper, U., Nasca, P., Stuart, N. 2018. Are the Current Thresholds, Indicators, and Time Window for Cold Warning Effective Enough to Protect Cardiovascular Health? *Science of the Total Environment* (**Impact Factor: 4.61**).
19. **Leung, R.**, Lin, S., Guo, H. 2017. Using Social Media to Reduce Health Impacts from Extreme Weathers: A Feasibility Study. *J Health Commun.* Vol. 2 No. 4:65. DOI: 10.4172/2472-1654.100106.
20. Li, J., Daldalian, MC., Erdmann, C., Hunter, KG., Sutariya, B., **Leung, R* (Corresponding Author)**. 2016. Hospital Readmission after Post-acute Care at Different Settings: Estimation using the Propensity Score Matching Method. *Journal of Community Medicine & Health Education* 6:408. DOI:10.4172/2161-0711.1000408 (**Impact Factor: 0.85**)

21. **Leung, R.**, Dong, G., Qin, X. & Lin, S. 2016. Capturing Parent-Child Interactions with Social Media. *Psychological Reports* 710:713. DOI: 10.1177/0033294116648363 (**Impact Factor: 0.67**).
22. **Leung, R.** 2014. “Evaluating the Benefits of Collaboration in Simulation Games: The Case of Health Care”. *JMIR Journal of Serious Games* 2 (1), e1 doi:10.2196/games.3178 (**Impact Factor: 2.23**)
23. **Leung, R.** 2013. “Determinants of Telemedicine Utilization in Rural America: Application of the Dynamic Capability Theory”. *Journal of Information Technology Research (JITR)*, 6(2), 46-59. doi:10.4018/jitr.2013040103.
24. **Leung, R.** 2007. “Network Position, Research Funding and Interdisciplinary Collaboration among Nanotechnology Scientists: An Application of Social Network Analysis,” in *Solid State Phenomena* v. 121: 1347-1350. DOI: 10.4028/www.scientific.net/SSP.121-123.1347
25. Tahan, C., **Leung, R.**, Zenner, G.M., Ellison, K.D., Crone, W.C. & Miller, C. 2006. “Nanotechnology and Society: A discussion-based undergraduate course” *American Journal of Physics* 74(5): 443-448. <http://dx.doi.org/10.1119/1.2178845> (**Impact Factor: 1.03**)

§ indicates student co-author

GLOBAL HEALTH (I PROVIDED ADVICE ON METHODOLOGY IN THESE COLLABORATIVE PUBLICATIONS)

26. The US Burden of Disease Collaborators (including **R Leung**). 2018. The State of US Health, 1990-2016 Burden of Diseases, Injuries, and Risk Factors Among US States. *JAMA*. 2018;319(14):1444–1472. doi:10.1001/jama.2018.0158 (**Impact Factor: 47.61**).
27. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2017. Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease Study 2015. *The Lancet*. 390(10091): 231-266. DOI: [https://doi.org/10.1016/S0140-6736\(17\)30818-8](https://doi.org/10.1016/S0140-6736(17)30818-8) (**Impact Factor: 53.25**).
28. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2017. Future and potential spending on health 2015–40: Development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. *The Lancet*. 389(10083): 2005-2030. DOI: [http://dx.doi.org/10.1016/S0140-6736\(17\)30873-5](http://dx.doi.org/10.1016/S0140-6736(17)30873-5) (**Impact Factor: 53.25**).
29. Global Burden of Disease Pediatrics Collaboration (including **R Leung**). 2016. Global and national burden of diseases and injuries among children and adolescents between 1990 and 2013: Findings from the global burden of disease 2013 study. *JAMA Pediatrics* 170(3): 267-287. doi:10.1001/jamapediatrics.2015.4276 (**Impact Factor: 10.77**)

30. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2016. Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980-2015: the Global Burden of Disease Study 2015. *Lancet HIV* 3(8): e361-e387. DOI: [http://dx.doi.org/10.1016/S2352-3018\(16\)30087-X](http://dx.doi.org/10.1016/S2352-3018(16)30087-X) (**Impact Factor: 11.36**)
31. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2016. Measuring the health-related Sustainable Development Goals in 188 countries: A baseline analysis from the Global Burden of Disease Study 2015. *The Lancet*, 388(10053): 1813 – 1850 DOI: [http://dx.doi.org/10.1016/S0140-6736\(16\)31467-2](http://dx.doi.org/10.1016/S0140-6736(16)31467-2) (**Impact Factor: 53.25**).
32. Global Burden of Disease Study (GBD) and HALE collaborators (including **R Leung**). 2015. Global, regional, and national comparative risk assessment of 79 behavioral, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990–2013: A systematic analysis for the Global Burden of Disease Study 2013 *The Lancet* 386 (10010): 2287 – 2323. DOI: [http://dx.doi.org/10.1016/S0140-6736\(15\)00128-2](http://dx.doi.org/10.1016/S0140-6736(15)00128-2) (**Impact Factor: 53.25**).
33. Global Burden of Disease Study (GBD) and HALE collaborators (including **R Leung**). 2015. Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990–2013: quantifying the epidemiological transition. *The Lancet*. 386 (10009): 2145-91. doi: [http://dx.doi.org/10.1016/S0140-6736\(15\)61340-X](http://dx.doi.org/10.1016/S0140-6736(15)61340-X) (**Impact Factor: 53.25**)
34. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2015. Global, regional, and national levels of age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *The Lancet*. 385 (9963), 117-171, doi: [http://dx.doi.org/10.1016/S0140-6736\(14\)61682-2](http://dx.doi.org/10.1016/S0140-6736(14)61682-2) (**Impact Factor: 53.25**)
35. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2015. The global burden of injury: incidence, mortality, disability-adjusted life years, and time trends from the Global Burden of Disease Study 2013. *Injury Prevention*. doi:10.1136/injuryprev-2015-041616 (**Impact Factor: 2.42**)
36. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2015 Eastern Mediterranean Region Mental Health Collaborators (2018). The burden of mental disorders in the Eastern Mediterranean region, 1990-2015: findings from the global burden of disease 2015 study. *International journal of public health*, 63(Suppl 1), 25–37. doi:10.1007/s00038-017-1006-1 (**Impact Factor: 2.37**)
37. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2014. Global, regional, and national incidence and mortality for HIV, tuberculosis, and malaria during 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *The Lancet* 384 (9947), 1005-1070 doi:10.1016/S0140-6736(14)60844-8 (**Impact Factor: 53.25**)

38. Global Burden of Disease Study (GBD) collaborators (including **R Leung**). 2014. Global, regional, and national levels and causes of maternal mortality during 1990—2013: a systematic analysis for the Global Burden of Disease Study 2013. *The Lancet* 384 (9947), 980-1004, doi: 10.1016/S0140-6736(14)60696-6 (**Impact Factor: 53.25**)

GRANT FUNDING (SELECTED)

Role: Co-Investigator

Project: INstitute FOr Resilient-AI in Crisis Decision-Making (INFORM)

(this is a very ambitious project about building an institute on AI in crisis decision-making)

Source: National Science Foundation

Time Period: 09/01/22 - 06/30/27; Total Funding: \$19,999,997 (pending)

Role: Principal Investigator (PI)

Project: I-Corps: Developing a data analytics platform for pain management and alternative treatment

(this project utilizes AI and machine learning to improve health management)

Source: National Science Foundation

Time Period: 01/15/20 - 06/30/21; Total Funding: \$50,000 (Status: funded)

Role: Principal Investigator (PI)

Project: Using social media to promote climate change awareness in China

Source: Fulbright U.S. Scholar Program

Time Period: 12/16/20 - 08/31/22; Total Funding: ~\$25,000 (Status: finalist)

Role: Principal Investigator (PI)

Project: Establishing a social media alert system for extreme weather events and high pollution days targeted at vulnerable population

Source: Centers for Disease Control and Prevention (CDC)

Time Period: 01/01/15 - 09/30/15; Total Funding: \$329,448 (Status: funded)

Role: Co-I

Project: Pain detection and support through a community-oriented Internet of Things (IoT) sensing network

Source: University at Albany (NSF seed funding)

Time Period: 08-01-2019 – Present; Total Funding: \$25,000 (Status: funded)

Role: PI

Project: The Enabling Role of Social Media for Immigrants' Health: A Pilot Study of Chinese Immigrants

Source: University at Albany

Time Period: 03-01-2014 – 04-30-2016; Total Funding: \$2,500 (Status: funded)

Role: Co-Investigator (Co-I)

Project: Research on Intrapreneurship-Driven Mechanism Coupling with Human Resource Management about "China Time-honored Brand" Enterprises

Source: National Science Foundation China

Time Period: 01-01-2015 – 12-31-2017; Total Funding: \$93,587 (funded)

CONSULTANCY FUNDING

Consultant for Merck, Bristol-Myers Squibb, Celgene and Biogen for Real World Data and Observation Research. May 2018 – Present

Consultant for Medicaid Matters New York (MMNY) on a grant entitled “Understanding Medicaid Recipients’ Service Experience”, funded by NY Health Foundation. Oct, 2017-Jan, 2018.

Consultant for New York State Department of Health on a grant entitled “Enabling DOH Employees to Adopt Technology at Work”, Nov, 2015- Mar, 2016.

PRESENTATIONS AT SCHOLARLY CONFERENCES

1. **Leung, R.** Mentor for Professional Development Workshop (Mentoring International Students in Health Care Management), Health Care Management Section, *Academy of Management (AOM)*. Boston, MA. August, 2019.
2. **Leung, R.** Mentor for Professional Development Workshop (Mentoring International Students in Health Care Management), Health Care Management Section, *Academy of Management (AOM)*. Chicago, IL. August, 2018.
3. **Leung, R.** “Social Media Analytics”. *Lighting Talk, University at Albany*, April 2018.
4. **Leung, R.** Utilizing Social Media for knowledge-making: A research framework. 2017 Meeting of the *Society for the Social Studies of Science (4S)*. Boston, MA. Sep 2017.
5. **Leung, R.** Using New Information Technology to Increase Emergency Preparedness. International Conference on Environmental Pollution and Health. Guangzhou, China. May 2017.
6. **Leung, R.,** Rogers, A., & Lin, S. “Using Social Media to Disseminate Climate Change Knowledge”. *Human Health in the Face of Climate Change: Science, Medicine, and Adaptation Conference*, Spain, May 2015.
7. **Leung, R.** “Mobile Apps for Mental Health in China: Towards A Research Agenda”. *American Sociological Association (ASA)* conference in San Francisco, CA, August 2014.
8. **Leung, R.** “Building effective social media for public health” Presented in the *American Public Health Association (APHA)* conference in Boston, MA, Nov 2013.
<https://apha.confex.com/apha/141am/webprogramadapt/Paper285615.html>

9. **Leung, R.,** Li, J. 2013. “The contested nature of social media in health”. Presented in *Society for the Scientific Study of Science (4S)* conference in San Diego, CA, Oct 2013.
10. **Leung, R. &** Li, J. 2012. “A Two-Part Study of Social Media for Health Care Organizations” Presented in *Medicine 2.0 2012* at Harvard Medical School, Boston, MA.

INVITED PRESENTATIONS

1. **Leung, R.** “Improving health research with innovative data collection and analysis: Implications for Asian Americans”, *RepresentAsian in Data Conference 2019, Harvard Medical School*, Boston, MA, Aug 24, 2019.
2. **Leung, R.** “Social Networks—Background and Applications for Public Health Practice”, *CCH Lecture Series, New York State Department of Health (NYSDOH)*, Albany, Nov 20, 2015.
3. **Leung, R.,** Li, J. “Using Social Media to Engage the Hard-to-Reach Populations”. *Digitizing Demography Conference* at Facebook Headquarter in Menlo Park, CA, August 2014.
4. **Leung, R.** “Mobile Health in US and China” Invited talks in *School of Public Health, Peking University & Hebei University of Economics and Business*, China, April 2014.
5. **Leung, R.** “Social Media Applications in Health” Invited talk at Rensselaer Polytechnic Institute (RPI) in Rensselaer, NY, March 2014. <http://rpi-sts.wikispaces.com/Colloquia+Spring+2014>

PROFESSIONAL REPORTS/PUBLISHED POSTERS/ OTHER SHORT ARTICLES/ESSAYS

1. **Leung R,** Rogers A.[§] and Lin S Using social media to disseminate climate change knowledge. *F1000Posters 2015*, 6:516 (poster). Available at <<http://f1000research.com/posters/1098179>>
2. **Leung, R. &** Li, J. 2006. “Cultural Bonds in High-Tech Development: Collaboration between Chinese Researchers in Nanotechnology,” Technical Proceedings of the 2006 NSTI Nanotechnology Conference.
3. **Leung, R.** 2016. Using social media to improve parent-child relationships. *Atlas of Science* (Sep 30, 2016). Available at <http://atlasofscience.org/using-social-media-to-improve-parent-child-relationships/#more-16475>
4. **Leung, R.** 2015. Social Media’s Global Impact: Implications for Public Health. *GlobalSynergies* 1: 12. Available at <http://www.albany.edu/international/assets/Global-Synergies-final7.pdf>
5. **Leung, R.** 2015. US-China relations: From Cybersecurity to Cyber-collaboration. *ChinaDaily.com.cn.* (09-24-2015). Available at http://www.chinadaily.com.cn/opinion/2015-09/24/content_21970831.htm

TEACHING (SELECTED)

- **Graduate level:** Strategic Management in Health Organizations; Organizational Behavior in Health Organizations; Health Analytics, Research Methods, Health Information Technology, Health Economics, Health Care Organization, Delivery and Financing
- **Undergraduate level:** Research Methods

SERVICE (SELECTED)

1. University at Albany, State University of New York

Department of Health Policy, Management & Behavior

Track Director, Health Policy, Management & Behavior, 2019 – present

Member, Curriculum Committee, 2016 - present

Member, Student Affairs Committee, 2013 – 2015

School of Policy Health

Member, MPH Steering Committee, 2019-present (duties include building new MS and certificate programs in Health Analytics with the College of Emergency Preparedness & Cybersecurity)

Member, MPH Admissions Committee for the School of Public Health, 2017- present

Member, Global Health Subcommittee with Sun Yat-sen University Partnership, 2017

Member/ Diversity Committee, 2014 – present (also **Chair of Hiring/Retention Subcommittee**)

University-level Service

Member, Hiring Committee for Instructional Developer, 2019 – present

Member, Truman Scholarship Committee, 2018 - present

Member, Educational Technology Advisory Group, 2018 – present

2. University of Missouri, Columbia

MU Informatics Institute

Core member, 2010 - 2013

Health Informatics Curriculum Committee, 2010 - 2013

3. Professional Service

Editor-in-chief (nominated, in progress) *Journal of Medical Internet Research* (impact factor: 4.9), 2019 -

Research Committee, *Academy of Management's Organization and Management Theory Section*, 2016 – Present

Reviewer, *Health Care Management Review (HCMR)*, 2006 – present

Chair, *Articulating the Sensibilities of Social Media*, Society for the Social Studies of Science, (4S). Boston, MA. Sep, 2017

Editorial Board, *Journal of Medical Internet Research (JMIR) Serious Games*, 2013 – present

Editorial Board, *International Journal of Disaster Response and Emergency Management (IJDREM)*, 2018 – present

Grant Reviewer, *National Science Foundation's Science, Technology & Society Section*, 2018 – present

Grant Reviewer, *National Oceanic and Atmospheric Administration (NOAA)*, 2018 – present

Grant Reviewer, Corporation for National & Community Service's Social Innovation Fund,
2015 – 2016

REFERENCES

Joan Fujimura
Department of Sociology
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University of Wisconsin-Madison
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608-265-2724

Andrew Van de Ven
Department of Strategic Management
Organization, Carlson School of Management
University of Minnesota
Minneapolis, MN 55455
612-624-1864

Guanghui Dong
Chair of Department/Professor of Environmental Health
Department of Occupational and Environmental Health
School of Public Health
Sun Yat-sen University
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Additional references available upon request.