RUORAN LI

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Education

ScD Epidemiology Aug. 2015 – present	**Harvard T.H. Chan School of Public Health** Advisor: Professor Megan Murray
MPhil Epidemiology Sep. 2010 – Sep. 2011	**Queens' College, University of Cambridge, 2011** Supervisor: Professor Carol Brayne Thesis: What does fine spatial information add to the detection of infectious disease clusters in East of England?
BA Natural Sciences Oct. 2007 – Jul. 2010	**Queens' College, University of Cambridge, 2010** Thesis: Effect of false physiological feedback on a risk sensitive decision-making task.

Work Experience

Research Fellow May 2014-July 2015	Faculty of Epidemiology and Population Health, London School of Hygiene & Tropical Medicine, London, UK
Research Assistant Apr 2012-May 2014	Faculty of Epidemiology and Population Health, London School of Hygiene & Tropical Medicine, London, UK
Intern Sep-Dec 2011	Global Influenza Programme, World Health Organization, Geneva, Switzerland
Research Student Apr-Aug 2011	Health Protection Agency East of England Regional Epidemiology Unit, UK

Publications and Working Papers

Papers under preparation
- **Li R**, Murray MB. Informing contact investigation for pulmonary tuberculosis patients: prediction models from a prospective cohort study in Lima, Peru with geographical cross validation.
- **Li R**, Lipsitch M, Murray MB. A dynamic model to explore the size of acquired immunity from past tuberculosis infections.

Peer-reviewed papers
1. **Li R**, Wu Y, Jing L, Jaacks LM. Enablers and barriers to improving worksite canteen nutrition in Pudong, China: a mixed-methods formative research study. *BMJ Open* 2018;8:e020529.
2. **Li R**, Daniel R, Rachet B. How much do tumor stage and treatment explain socioeconomic inequalities in breast cancer survival? Applying causal mediation analysis to population-based data. *European Journal of Epidemiology* 2016 Jun;31(6):603-11. doi: 10.1007/s10654-016-0155-5.
3. Maringe C, **Li R**, Mangtani P, Coleman MP, Rachet B. Cancer survival differences between South Asians and non-South Asians of England in 1986–2004, accounting for age at diagnosis and deprivation. *British Journal of Cancer* 2015; 113: 173-81.
4. **Li R**, Abela L, Moore J, Woods LM, Nur U, Rachet B, Coleman MP. Control of data quality for population-based cancer survival analysis. *Cancer Epidemiology* 2014; 38(3): 314-20.

5. Arya M, **Li R**, Pegler K, Sangar V, Kelly JD, Minhas S, Muneer A, Coleman MP. Long-term trends in incidence, survival and mortality of primary penile cancer in England. *Cancer Causes & Control* 2013; 24(12): 2169–76.
6. Clark L, **Li R**, Wright CM, Rome F, Fairchild G, Dunn BD, Aitken MRF. Risk-avoidant decision making increased by threat of electric shock. *Psychophysiology* 2012; 49: 1436–43.

Papers not peer-reviewed
1. **Li R**. FXBVillage program evaluation in Butuo, Liangshan, China. *Report available upon request.*
2. Pan XF, **Li R**, Larson HJ, An P. Human papillomavirus vaccine approval in China: a major step forward but challenges ahead. *The Lancet Infectious Diseases* 2016; 16(12): 1322-3.
3. Larson HJ, **Li R**, Pan XF. Another vaccine confidence breaker in Asia: Indonesia. *The Vaccine Confidence Project* 2016-07-28. http://www.vaccineconfidence.org/another-vaccine-confidence-breaker-in-asia-indonesia/
4. Larson HJ, **Li R**, Pan XF. Vaccine crisis in China—act now to rebuild confidence. *The BMJ blog* 2016-05-16. http://blogs.bmj.com/bmj/2016/05/16/heidi-larson-et-al-vaccine-crisis-in-china-act-now-to-rebuild-confidence/
5. **Li R**, Daniel R, Rachet B. How much of socioeconomic differences in survival in patients with breast cancer can be explained by differences in stage of diagnosis and treatment? Application of causal mediation analysis to routine data. *Lancet* 2013; 382 (Suppl): 61.
6. **Li R**. Cancer burden in China and the role of the cancer registries. *Annals of Translational Medicine* 2014; 2(7): 69.
7. Arya M, **Li R**, Muneer A, Coleman MP. Reply to comments by Dr. Frisch and Dr. Van Howe. *Cancer Causes & Control* 2014; 25: 407-8

Communications

Oral presentations
1. *Prediction models to inform contact investigation for pulmonary tuberculosis patients*. Freeman Symposium on Infectious Disease Epidemiology, Boston, USA, 2018
2. *Causal mediation analysis of observational, population-based cancer survival data.* Centre for Statistical Methodology, LSHTM, London, UK, 2014
3. *Explaining the socioeconomic inequalities in breast cancer survival in England.* Medical Research Council Conference on Biostatistics, Cambridge, UK, 2014
4. *Understanding inequalities in cancer treatment.* Calvados Cancer Registry, Caen, France, 2014

Poster presentations
1. Nutrition 2018, American Society for Nutrition's Annual Meeting, Boston, USA, 2018
2. Society for Epidemiological Research Annual Meeting, Seattle, US, 2017
3. International Society for Epidemiological Research, Vienna, Austria, 2014
4. Society for Epidemiological Research Annual Meeting, Seattle, US, 2014
5. UK Public Health Science Annual Conference, London, UK, 2013

Awards and Funding

Awards

Certificate of Distinction in Teaching, Harvard T.H. Chan School of Public Health	2018
Data Visualisation Award, LSHTM	2013

Funding
o Brian and Heidi MacMahon fund   2018

- o Harvard Rose Traveling Fellowship in Chronic Disease Epidemiology and Biostatistics: Developing a Canteen-Based Intervention in Community Health Centers in Pudong, China ($4,991) 2017
- o John F. and Virginia B. Taplin Fellowship ($44,2620) 2016-18
- o Harvard FXB Travel Grant: Impact Evaluation of a Community-Based Health Intervention Program Among the Yi Ethnic Group in China ($3,000) 2016
- o Harvard Chan School Tuition Grant 2015-18
- o Lister Fund (Queens' College, University of Cambridge) 2011
- o G C Grindley Fund (School of Biological Sciences, University of Cambridge) 2009
- o Queens' College Bursary (Queens' College, University of Cambridge) 2007
- o Scholar, Cambridge Overseas Trust, University of Cambridge 2007-10

Teaching

Harvard T.H. Chan School of Public Health (teaching fellow/teaching assistant)
- o EPI289: *Models for Causal Inference,* 2017
- o ID201: *Core Principles of Biostatistics and Epidemiology for Public Health Practice,* 2016
- o EPI236: *Analytic Aspects of Clinical Epidemiology,* 2016,2018
- o EPI523: *Investigating Outbreaks,* 2015-2018: course planning and development
- o Distance learning course for King Abdulaziz University on *Epidemiology II* 2015: develop and record lecture videos, develop problems sets, facilitate seminars

WHO International Agency for Research on Cancer *Summer Course on Cancer Registration*, Lyon, 2014
- o Faculty and lecturer on population-based cancer registration and survival analysis

LSHTM MSc Epidemiology (face-to-face and distance learning)
- o Co-organiser for module *Fundamentals of Epidemiology (distance learning)* 2014-15
- o Personal tutor and project supervisor in 2013-14
- o Seminar, computer practical and online forum facilitator 2012-15

LSHTM short courses
- o Lecturer in the *Intensive Course in Epidemiology and Medical Statistics* in 2013, 2014
- o Facilitator in *Advanced Course in Epidemiological Analysis* and the *Cancer Survival* short courses

Affiliations and Additional Experience

Post hoc reviewer for: *British Medical Journal; Cancer Epidemiology; Cancer Research UK*

Co-founder, Harvard China Public Health Workshop	2015-16
Organizer, China Clean Air Forum @Harvard	2016
Volunteer, cuSTEMized	2016
Research volunteer, Mobile Health Map, Harvard Medical School	2015-16
Member, International Society for Clinical Biostatistics	2014-15
Associate Fellow, Higher Education Academy, UK	2014-15
Organizer, Young Scientist Programme, LSHTM	2013-15
Volunteer, Before the Headlines, Science Media Centre, London	2013-15
Exchange student on Infectious Disease Epidemiology, Erasmus University, Netherlands	2011
Member, Cambridge First Aid Society	2010
Volunteer, Oxfam, UK	2005-07