CURRICULUM VITAE

SABRINA L. LI, DPhil

Website: https://www.nottingham.ac.uk/geography/people/sabrina.li
ORCID: https://orcid.org/0000-0002-1183-126X
Google scholar: https://scholar.google.ca/citations?hl=en&user=_b5ZCnUAAAAJ

School of Geography, Faculty of Social Sciences
University of Nottingham
Room C11, Sir Clive Granger Building
University Park
Nottingham, NG7 2RD
Telephone: +44 (0) 115 95 15459
E-mail: sabrina.li@nottingham.ac.uk

APPOINTMENTS HELD

2021- **Assistant Professor (permanent)**
School of Geography, University of Nottingham

2022- **Departmental Adjunct Lecturer (contract)**
School of Geography and the Environment, University of Oxford

2017 - 2018 **Research Associate**,
Department of Epidemiology, Biostatistics, and Occupational Health
McGill University, Canada

EDUCATION

2018 - 2021 **DPhil,** Geography
School of Geography and the Environment, University of Oxford
Thesis Title: Human-Environment Interactions on Infectious Disease Risk in Brazil
Supervisors: Dr. Janey Messina and Prof. Oliver Pybus

2015 - 2017 **MSc,** Geography
Department of Geography and Environmental Management
University of Waterloo
Thesis Title: Facilitators and barriers to safely managed water and sanitation:
A spatio-temporal investigation of the association between socioeconomic factors and shigellosis incidence
Supervisor: Prof. Susan J. Elliott

2010-2015   **BASc**, Environmental Engineering (Co-op with Water Resources Option)
             Department of Civil and Environmental Engineering, University of Waterloo

RECENT AND RELEVANT FUNDED RESEARCH

2022   Co-Investigator, "Scale of Harm: Geographic Prevalence Estimation of Trafficking
             in the Philippines", International Justice Mission Philippines.

PEER-REVIEWED PUBLICATIONS

2022   **Li, S. L.***, Prete, C. A.*, Zarebski, A. E.*… & Messina, J. P. (2022). The Brazilian
             COVID-19 vaccination programme: Individual and population level models reveal
             large socio-demographic inequalities. Under Review.

             Hill, S. C.., Dellicour, S., Claro, I.M., Sequeira, P., Adelino, T., Thézé J., Wu, C-H.,
             Moreira, F.R.R., Giovanetti, M., **Li, S.L.**, … & Faria, N.R. (2022). Phylodynamic
             quantification of viral zoonoses at the animal-human interface. Under Review.

             Li, R., Zheng, Y., **Li, S.L.**, Hu, L., Liu, H., Huang, K., Wang, J., Liu, S., Hou, K., &
             Zhang, L. (2022). COVID-19 pandemic drives population mental health outcomes
             in China, *International Journal of Applied Earth Observation and Geoinformation*,
             JAG-D-22-01513R1. Under Revision.

             Li, S. L., Acosta, A. L., Hill, S. C., Brady, O. J., de Almeida, M. A., Cardoso, J. D. C., …
             & Messina, J. P. (2022). Mapping environmental suitability of Haemagogus and
             Sabethes spp. mosquitoes to understand sylvatic transmission risk of yellow fever
             virus in Brazil. *PLoS neglected tropical diseases*, *16*(1), e0010019.
             https://doi.org/10.1371/journal.pntd.0010019

             Wu, M., Yu, Q., **Li, S.L.**, & Zhang, L. (2022). Geographic and gender disparities in
             global education achievement during the COVID-19 pandemic, *International
             Journal of Applied Earth Observation and Geoinformation*, 111, 102850.
             https://doi.org/10.1016/j.jag.2022.102850.

2021   **Li, S. L.,** Pereira, R. H., Prete Jr, C. A., Zarebski, A. E., Emanuel, L., Alves, P. J., … &
             Messina, J. P. (2021). Higher risk of death from COVID-19 in low-income and non-
             White populations of São Paulo, Brazil. *BMJ global health*, *6*(4), e004959.
             http://dx.doi.org/10. 1136/bmjgh-2021-004959

             de Souza Santos, A. A., da Silva Candido, D., de Souza, W. M., Buss, L., **Li, S. L.**,
             Pereira, R. H., … & Faria, N. R. (2021). Dataset on SARS-CoV-2 non-
             pharmaceutical interventions in Brazilian municipalities. *Scientific Data*, 8, 73,
             https://doi.org/10.1038/s41597-021-00859-1

Li, S.L., Messina, J.P., Pybus, O.G., Kraemer, M.U.G., & Gardner, L. (2021). A review of models applied to the geographic spread of Zika virus. *Transactions of the Royal Society of Tropical Medicine and Hygiene,* 115(9): 956-964, https://doi.org/10.1093/trstmh/trab009

2020 De Souza, W. M*., Buss, L. F*., da Silva Candido, D.*, Carrera, J. P*., **Li, S*.,** Zarebski, A., ... & Prete, C. A. (2020). Epidemiological and clinical characteristics of the early phase of the COVID-19 epidemic in Brazil. *Nature Human Behaviour*, 4, 856-865, https://doi.org/10.1038/s41562-020-0928-4
 Equal contributions

Xu, B., Kraemer, M.U.G., Gutierrez, B., Mekaru, S., Sewalk, K., Loskill, A., Wang, L., Cohn, E., Hill, S., Zarebski, A., & **Li, S.,** et al. (2020). Epidemiological data from the COVID-19 outbreak, real-time case information. *Nature Scientific Data*, *7*, 106, https://doi.org/10.1038/s41597-020-0448-0

Xu, B., Kraemer, M.U.G., Gutierrez, B., Mekaru, S., Sewalk, K., Goodwin, L., Loskill, A., Cohn, E., Hswen, Y., Cobo, M.M.,Hill, S., Zarebski, A., & **Li, S.,** et al. (2020). Open access epidemiological data from the COVID-19 outbreak. *The Lancet Infectious Diseases,* https://doi.org/10.1016/S1473-3099(20)30119-5.

Li, S., Schmidt, A. M., & Elliott, S. J. (2020). Socioeconomic factors and bacillary dysentery risk in Jiangsu Province, China: A spatial investigation using Bayesian hierarchical models. *International Journal of Environmental Health Research*, 32(1): 220-231, doi.org/10.1080/09603123.2020.1746745

2019 **Li, S.,** Yang, M., Carter, E., Schauer, J.J., Yang, X., Ezzati, M., Goldberg, M., & Baumgartner, J. (2019). Buccal cell telomere length as a biomarker of exposure to household air pollution from biomass stoves. *Environmental Health Perspectives*, 127(8), 087004. https://doi.org/10.1289/EHP4041

Liu, M., Zhou, G., Saari, R. K., **Li, S.,** Liu, X., & Li, J. (2019). Quantifying PM2. 5 mass concentration and particle radius using satellite data and an optical-mass conversion algorithm. *ISPRS Journal of Photogrammetry and Remote Sensing*, *158*, 90-98. https://doi.org/10.1016/j.isprsjprs.2019.10.010

2017 Wang, J., Zhang, M., Bai, X., Tan, H., **Li, S.,** Liu, J., . . . & Chen, L. (2017). Large-scale transport of PM2.5 in the lower troposphere during winter cold surges in China. *Nature Scientific Reports.* 7, 13238, https://doi.org/10.1038/s41598-017-13217-2

2016 Wang, J., Chen, L., Li, L., He, J., Chen, J., Jiang, C., Wang, W., **Li, S.,** Li, Y., & Zhang, R., 2014. Preliminary identification of palaeofloods with the alkane ratio C31/C17

and their potential link to global climate changes. *Nature Scientific Reports*, 4, 6502, https://doi.org/10.1038/srep06502

MEDIA CONTRIBUTIONS

2022   **Li, S.L**., "Redefining space and place during the pandemic" (working title). *Royal Geographical Society (with IBG): Ask the Geographer Podcast.* (April 2022). *Invited.*

2020   Gutierrez, Bernardo & **Li, S.L**. "The need for open data sharing in the era of global pandemics". (17 November 2020). *London School of Economics and Political Science (LSE) Impact Blog.*

Li, S. "Researching the COVID-19 pandemic from the lens of a health geographer: Maps, spatial scales, and social inequalities". (26 June 2020). Originally published in the *Royal Geographical Society – IBG Geographies of Health and Wellbeing Research Group. Re-published in RGS Blog – Geographical Directions.*

CONFERENCE PRESENTATIONS

2022   **Oral,** *Sociodemographic inequalities in COVID-19 vaccination in Brazil*, 19th International Medical Geography Symposium, Edinburgh, UK.

2018   **Poster**, *Household Air Pollution and Telomere Length in Rural Chinese Women Using Biomass Stoves.* Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology, Ottawa, Canada.

2017   **Oral**, *The facilitators and barriers to safe water and adequate sanitation: A case study in a Northwestern rural county in China.* Canadian Association of Geographers Annual Meeting, Toronto, Canada.

2016   **Oral**, *The importance of user perception of recreational water and drinking water: A case study of two rural water townships in eastern China*. Canadian Association of Geographers – Ontario Division Annual Meeting, Waterloo, Canada.

Poster, *Facilitators and Barriers to Effective Water and Sanitation Interventions for Characterizing Shigellosis Incidence in Jiangsu, China*. Geographies of Health and Living in Cities: Making Cities Healthy for All (H-CITY), Hong Kong, China.

INVITED TALKS

2022   Invited Speaker. "Ideas Salon: The Biggest Breakthroughs" World Congress of Science and Factual Producers, Glasgow, UK, 28 November 2022.

2021   Guest Lecture. "Assessing the role of social determinants of health on COVID-19 health inequalities in Brazil". Department of Behavioural Science and Health, University College London, London, UK, 22 June 2021.

            Guest Lecture. "The application of modelling methods for mapping infectious diseases in Brazil". Alan Turing Institute. London, UK, 13 April 2021.

2020   Guest Lecture. "Researching infectious disease spread through the lens of a health geographer". London Academy of Excellence. London, UK, 3 July 2020.

            Panelist. "COVID-19 in Brazil: A focus on social inequalities". Keble College COVID-19 Symposium. Oxford, UK, 2 June 2020.

            Main Presenter. "Mapping Infectious Diseases: Case Studies of Yellow Fever Virus and the Novel Coronavirus" Keble College Warden's Lodging Graduate Discussion Evening, Oxford, UK, 5 February 2020.

2019   Guest Lecture. "Mosquitoes, monkeys, and mobility: tracking yellow fever in Brazil". Keble College Alumni Weekend, Oxford, UK, 21 September 2019.

POSTGRADUATE SUPERVISION

Programme	Dates	Student Name	Department/Faculty	Funding	Role
PhD	September 2022 -	Philip Home	Faculty of Engineering	EPSRC Geospatial Systems CDT	Co-Supervisor

TEACHING EXPERIENCE

2021 -   School of Geography, University of Nottingham
- Interpreting Geographical Data (convenor, GEOG 1004)
- Techniques in Human Geography (co-convenor, GEOG 2004)
- Living with Hazards (contributor, GEOG 2073)
- Undergraduate and Master's dissertation preparation (contributor, GEOG 3004)
- Research Tutorials (contributor, GEOG 2030)

2022 -	Module co-convenor, School of Geography and the Environment, University of Oxford

- Geographic Data Science

2018 - 2021	Teaching Assistant and College Tutor, School of Geography and the Environment, University of Oxford

- Statistics for Geographers
- Geographic Data science
- Quantitative Research Methods
- Disease Ecology
- Global Health

2015 - 2016	Teaching Assistant, Department of Geography and Environmental Management, University of Waterloo

- Advanced Environmental Research Methods (ENVS 278)
- Physical Geography (GEOG 102)

FELLOWSHIPS, GRANTS, AND AWARDS

2022	30 under 30 in Science and Healthcare, Forbes Magazine Europe
2020	Turing PhD Enrichment Scheme Studentship, Alan Turing Institute
2019	Doctoral Scholarship, Oxford Martin School
2018	Joseph-Armand Bombardier Canada Doctoral Scholarship, Canadian Social Sciences and Humanities Research Council
2017	Fourth Place, National Aquahacking Finals 2017, Gaspé Beaubien Foundation
2017	Third Place, World's Challenge Pitch Competition, University of Waterloo
2016	MITACS Globalink Research Award, MITACS
2016	Best Poster in the Student Category, H-City Conference, Hong Kong University
2015	Dean's Special Project Funding Award, University of Waterloo
2014	Undergraduate Research Assistant Award, University of Waterloo
2011	Fourth Place in Junior Team Design, Waterloo Engineering Competition
2010	University of Waterloo Merit Scholarship

CERTIFICATION

2022 -	Postgraduate Certificate in Higher Education
2022	MHFA England Mental Health Training
2017	Certificate in Fundamentals of University Teaching
2015	WHIMIS Training

PROFESSIONAL SERVICE

2021 -	Reviewer, BMC Public Health, BM Global Health, Cities
2021 -	Member, American Association of Geographers
2020 -	Member, The Royal Geographical Society
2016 -	Member, Canadian Association of Geographers

UNIVERSITY SERVICE

2022 -	**Co-Lead**, Nottingham Health Geography Collaborative Research Hub
2021 -	**Scientific Advisor**, University of Nottingham Data-Driven Discovery Initiative
2018 - 2021	**DPhil Representative**, Oxford Geography Joint Consultative Committee
2018 - 2020	**Lead**, Nature, Health and the Built Environment (NHBE) Research Group