Miyang Luo

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National University of Singapore
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Education

2014.8–2018.8 **PhD in Epidemiology**, *Saw Swee Hock School of Public Health, National University of Singapore*, Singapore.

2009.9–2014.6 **Bachelor in Medicine**, *Fudan University, Shanghai, China*.

2013.7–2017.9 **Summer Research Program**, *Cross-disciplinary Scholars in Science and Technology (CSST)*, University of California, Los Angeles, USA.

Working Experience

2018.9– **Postdoc Fellow**, National University of Singapore, Singapore.
Diabetes studY in Nephropathy And other Microvascular cOmplications (DYNAMO) Project

2017.11–2018.1 **Internship**, *Data analyst*, Kantar Health, Singpore.
Conducting data analysis and drafting research manuscripts

Research Projects

2019.8– **Cost effectiveness models for diabetic kidney disease** (DYNAMO project, funded by National Medical Research Council, postdoc project)

Modeling the progression of diabetic kidney disease in a multi-ethnic Asian population with type 2 diabetes, and conducting cost-effectiveness analysis for hypothetical glycemic control and blood pressure control interventions in disease management

2019.1– **The etiology of non-alcoholic fatty liver disease (NAFLD) among obese children** (funded by National Natural Science Foundation of China, general project 81872641, participated)

Identifying NAFLD related genes using whole exome sequencing, and studying gene environmental interaction in obese children.

2018.6– **Environmental risk factors and child obesity** (in collaboration with University of Twente and International Initiative on Spatial Lifecourse Epidemiology)

Conducting systematic review and meta-analysis on the association between access to environmental risk factors, including grocery store and restaurants, and child obesity

2014.8–2019.7	**Longitudinal patterns of glycemic control among patients with diabetes in Singapore** (Singapore Population Health Studies, Diabetes Cohort, 2004 onwards, funded by Biomedical Research Council of A* Star, PhD project)
	1. Identifying longitudinal trends of glycemic control and analyzing its related risk factors and disease outcomes associated with different glycemic control patterns.
	2. Studying annual pattern of diabetes treatment during a six-year follow-up and its association with longitudinal glycemic control.
	3.Identifying genetic variants associated with insulin sensitivity using a matched case control study design.
2017.1–2018.3	**Diabetes management under Primary Care Network** (funded by Saw Swee Hock School of Public Health internal grant, PhD project)
	Studying the management of HbA1c, blood pressure,and LDL in terms of assessment frequency and level of control among patients with diabetes from 2012 to 2015, to evaluate the effect of Primary Care Network initiation.
2012.1-2015.12	**Risk prediction for birth defects in China** (funded by National Natural Science Foundation of China, general project, participated)
	Identifying the risk factors for birth defects using large case control study and cohort study, and exploring the risk prediction models for the major kinds of birth defects in China.

Skills and Competences

Advanced	Statistical analysis with R and STATA
	Microsoft office
Intermediate	Commend Line for analyzing genetic studies
	Matlab, Latex, Illustrater, Treeage
Familiar	Wet lab skills including cell culture, western blot, PCR,
	flow cytometry, and mass spectrometry

Language

TOEFL	108
GRE	Verbal:520, Quantitative:800
Interpretation	Certificate for Advanced level English Interpretation (D1 16217, Shanghai English Interpretation Examination Committee, 2012)

Teaching

2015.3-2015.5	**Teaching Assistant**, *Public Health in Action* . Marking assignment
2016.3-2017.5	**Teaching Assistant**, *Advanced Epidemiology*. Assist in organizing group discussion
2016.3-2017.5	**Teaching Assistant**, *Quantitative Epidemiology Methods*. Assist in STATA teaching sessions

2016.8-2017.1 **Teaching Assistant**, *Health policy and systems.*
Assist in organizing group discussion

Conference

2017.6 **M. Luo**, W. Y. Lim, C. S. Tan, et al."Patterns of longitudinal glycemic control and outcomes among patients with type 2 diabetes in Singapore." American Diabetes Association, 76th Scientific Session, San Diego, USA, **Oral presentation**

Journal Publications

Accepted

1 P. Jia*, **M. Luo***, Y. Li, X. Wu, J. Luo (2019). "Fast-food restaurant, unhealthy eating, and childhood obesity: a systematic review and meta-analysis." Obesity Reviews (IF = 8.2) (joint first author)

2 Y. Li*, **M. Luo***, X. Wu, J. Luo, P. Jia (2019). "Association between access to grocery stores and childhood obesity: a systematic review and meta-analysis." Obesity Reviews (IF = 8.2) (joint first author)

3 K. Venkataraman, V. Pun, A. Mohamed, **M. Luo**, C. Wong, F. Zong, E. Y. Khoo, E S. Tai, F. Nasrallah (2019). "Altered motor and motor perceptual cognitive imagery task related activation in diabetic peripheral neuropathy: insights from functional Magnetic Resonance Imaging." Diabetes Care (IF = 15.2) (fourth author)

Published

4 **M. Luo**, C. S. Tan, W. Y. Lim, K. S. Chia, W. E. Tang, E. S. Tai and K. Venkataraman (2019). "Association of diabetes treatment with long-term glycemic patterns in patients with type 2 diabetes mellitus: A prospective cohort study." Diabetes/Metabolism Research and Reviews 2019:e3122. doi:10.1002/dmrr.3122 (IF = 4.7) (First author)

5 **M. Luo**, K. H. X. Tan, C. S. Tan, W. Y. Lim, E. S. Tai and K. Venkataraman (2018). "Longitudinal trends in HbA1c, patterns and associations with outcomes: a systematic review." Diabetes/Metabolism Research and Reviews 2018; 34(6): e3015. doi:10.1002/dmrr.3015 (IF = 3.9) (First author)

6 **M. Luo**, W. Y. Lim, C. S. Tan, Y. Ning, K. S. Chia, R. M. van Dam, W. E. Tang, N. C. Tan, R. Chen, E. S. Tai and K. Venkataraman (2017). "Longitudinal trends in HbA1c and associations with comorbidity and all-cause mortality in Asian patients with type 2 diabetes: A cohort study." Diabetes Res Clin Pract 133: 69-77. doi: 10.1016/j.diabres.2017.08.013 (IF = 3.6) (First author)

7 **M. Luo***, Z. Poh*, G. Koh, T. T. Yean, W. Lau, S. A. Toh, C. C. Kwang, L. L. Leng, K. Ventakaraman (2018). "Diabetes management in a Primary Care Network (PCN) of private general practitioners in Singapore." Implementation Science. 2018;97(43):e12929. doi:10.1097/md.0000000000012929 (IF=2.1) (First author, Z.Poh is joint first author)

8. H. Lin*, **M. Luo***, J. Luo, R. Zeng, Y. Li, Q. Du, J. Fang (2019). "Demographic characteristics and environmental risk factors exposure of birth defects in pregnant women: A population-based study." Biomed Environ Sci 32(1):51-57 (IF = 1.8) (Joint first author)

9. Li, H.*, **M. Luo***, J. Luo, J. Zheng, R. Zeng, Q. Du, J. Fang and N. Ouyang (2016). "A discriminant analysis prediction model of non-syndromic cleft lip with or without cleft palate based on risk factors." BMC Pregnancy Childbirth 16(1): 368. doi: 10.1186/s12884-016-1116-4. (IF = 2.3) (Joint first author)

10. C. Fan, Q. Ma, J. Luo, X. Wu, **M. Luo**, R. Zeng, X. Li, Y. Li, J, Fang (2018)."Dietary Behaviors and influencing factors among rural left-behind children aged below 7 years in China." Biomed Environ Sci 31(21):902-907 (IF = 1.8) (joint corresponding author)

11. Li, H., **M. Luo**, J. Zheng, J. Luo, R. Zeng, N. Feng, Q. Du and J. Fang (2017). "An artificial neural network prediction model of congenital heart disease based on risk factors: A hospital-based case-control study." Medicine (Baltimore) 96(6): e6090. doi: 10.1097/MD.0000000000006090. (IF = 1.8) (Second author)

Submitted

12. **M. Luo**, J. F. Chai, X. Sim, C. S. Tan, R. van Dam, E S. Tai, K. Venkataraman (2019). "Genetic correlates of deteriorating glycemic control over time in Asian patients with Type 2 Diabetes Mellitus: a matched case-control study." Diabetes Care (IF = 15.2)

13. C. Fan, **M. Luo***, J. Luo, J. Fang, S. Zhou, F. Zhang (2019). "Pregnancy complications among women at advanced maternal age: a population-based prospective longitudinal cohort study." BMC Pregnancy & Childbirth (IF = 2.9)

Hornors and Awards

2019	Graduate Student Research Award, National Univeristy of Singapore
2014-2018	National University of Singapore Research Schorlarship
2010-2013	Fudan Univerisity Scholarship for Outstanding Student (2nd Prize)
2010-2013	Fudan Univerisity Scholarship for Outsentanding Student in Basic Medical Sciences
2012	Honored Student in Fudan Univerisity

Hobbies

Er hu	Certificate of Er hu Level 10 in non-professionals

Last update on August 27th 2019