

Mei Dong

CONTACT INFORMATION	Toronto, ON, Canada Personal Website	may.dong@mail.utoronto.ca Google Scholar
EDUCATION	University of Toronto Ph.D., Biostatistics, 2021 - Present Advisors: Wei Xu, Ph.D., Linbo Wang, Ph.D.	
	University of Saskatchewan M.S., Statistics, Sept 2017 - Jun 2019 Advisors: Longhai Li, Ph.D., Lloyd Balbuena, Ph.D.	
	Donghua University B.S., Statistics, Sept 2013 - Jun 2017 Advisor: Xin Liu, Ph.D.	
PROFESSIONAL EXPERIENCE	Student Research Associate <i>Dalla Lana School of Public Health, University of Toronto</i> Jul 2022 - Dec 2025	
	Research Data Analyst <i>Dalla Lana School of Public Health, University of Toronto</i> May 2019 - Jun 2021	
	Research Assistant <i>University of Saskatchewan</i> Sept 2018 - May 2019	
TEACHING EXPERIENCE	Co-Instructor Jul 2026 <i>Foundations and Trends in Causal Inference</i> , co-taught with Linbo Wang <i>Biostatistics Summer School, Peking University, Beijing, China</i>	
	Co-Instructor Apr 2023 & Jun 2022 <i>Handling Missing Data in Health Science Research</i> , co-taught with Aya Mitani Data Science Interdisciplinary Research Cluster, Dalla Lana School of Public Health	
	Teaching Assistant Sept 2021 - Present <i>University of Toronto</i>	
	Teaching Assistant Sept 2017 - May 2019 <i>University of Saskatchewan</i>	

Curriculum Vitae

WORKING PAPERS

1. **Dong M**, Yan J, Liu L, Wang L. Efficient adjustment sets for inverse probability weighted estimation in causal graphical models.
2. Hou T, Thakral A, Hueniken K, ..., **Dong M**, Xu W, Lee J, Liu G. Genetic liability to smoking and alcohol use and risk and survival in head and neck squamous cell carcinoma: Towards a personalized approach. (submitted)
3. Haycock P, **Dong M**, Liu Y, Vanderwerff B, Bate T, et al. A meta-analysis of genome-wide association studies of lung cancer survival.
4. Bate T, **Dong M**, Liu Y, Seviiri M, Brown MC, et al. Investigating the repurposing potential of immune checkpoint inhibition for cancer treatment using Mendelian randomisation. (submitted)
5. Bate T, **Dong M**, Ogamba C, Liu Y, Seviiri M, et al. Investigating the repurposing potential of cardiometabolic and hormonal medications for cancer treatment using Mendelian randomisation.

PREPRINT

1. **Dong M**, Liu L, Tang D, Liu G, Xu W, Wang L. Marginal causal effect with continuous instrumental variables. *arXiv preprint arXiv:2510.14368*
[IMS Hannan Graduate Student Travel Award](#)
[SSC General Student Research Oral Presentation Award](#)
[U of T Department of Statistics Research Day, Best Poster Award](#)

PUBLICATIONS (* CO-FIRST AUTHORSHIP)

1. **Dong M**, Wang L, Liu L, Dukes O, Mei Dong, Linbo Wang, Lin Liu, and Oliver Dukes's contribution to the Discussion of "Regression by composition" by Farewell et al. *Journal of the Royal Statistical Society Series B: Statistical Methodology*. 2026; qkag093. DOI; [arXiv](#).
2. Hou T, Thakral A, ..., **Dong M**, ..., Liu G. Polygenic risk score-based smoking and drinking behaviors and head and neck squamous cell cancer risk by HPV status. *Cancer Research*. [Abstract Publication]. 2025; 85(8_Supplement.1):7399.
3. **Dong M**, Thakral A, Byrne KS, Bosse Y, Zhou H, et al. Genome-wide association study of early-Stage non-small cell lung cancer prognosis: A pooled analysis in the International Lung Cancer Consortium. *Carcinogenesis*. 2025;46(2):bgaf031.
4. Lam A, Hueniken K, Pienkowski M, Lee J W, **Dong M**, et al. Performance of eight smoking metrics for modeling survival in head and neck squamous cell carcinoma. *JAMA Otolaryngology–Head & Neck Surgery*. 2025; 151(4):360-70.
5. Xue M, Leibovitz H, Shao J, Neustaeter A, **Dong M**, et al. Environmental factors associated with risk of Crohn's disease development in the CCC-GEM Project: A prospective cohort of healthy first-Degree relatives of CD patients. *Clinical Gastroenterology and Hepatology*. 2024;22(9):1889-97.
6. **Dong M**, Mitani A. Multiple imputation methods for missing multilevel ordinal outcomes. *BMC Medical Research Methodology*. 2023;23:112.
7. Xue M, Turpin W, Haim L, Lee SH, Neustaeter A, **Dong M**, et al. A198 The long-term impact of environment exposures on host health and the risk factors of Crohn's disease. *Journal of the Canadian Association of Gastroenterology*. [Abstract Publication]. 2023;6(Suppl 1):41.

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8. García-Pardo M, Chang A, Schmid S, **Dong M**, Brown MC, et al. Respiratory and cardiometabolic comorbidities and Stage I-III non-small cell lung cancer (NSCLC) survival: A pooled analysis from the International Lung Cancer Consortium (ILCCO). *Journal of Thoracic Oncology*. 2023;18(3):313-23.
9. Fuoco J, **Dong M**, MacMillan C, Kak I, Perez-Ordóñez B, Bradley G, Xu W, Magalhaes M. A 10-Year review of intraoral salivary gland tumor diagnoses: diagnostic challenges and inter-observer agreement. *Head and Neck Pathology*. 2023;17(1):193-203.
10. García-Pardo M, Chang A, Schmid S, **Dong M**, Brown MC, et al. Respiratory and cardiometabolic comorbidities and stage I-III non-small cell lung cancer (NSCLC) survival: A pooled analysis from the International Lung Cancer Consortium (ILCCO). *Annals of Oncology*. [Abstract Publication]. 2022;33:S979.
11. Turpin W*, **Dong M***, Sasson G*, Garay JA*, Espin-Garcia O, et al. Mediterranean-like dietary pattern associations with gut microbiome composition and subclinical gastrointestinal inflammation. *Gastroenterology*. 2022;163(3):685-98.
12. Schmid S, Jiang M, Brown MC, Fares A, Garcia M, Soriano J, **Dong M**, Thomas S, et al. Accounting for EGFR mutations in epidemiologic analyses of non-small cell lung cancers: examples based on the international lung cancer consortium data. *Cancer Epidemiology, Biomarkers & Prevention*. 2022;31(3):679-87.
13. Bai W*, **Dong M***, Li L, Feng C, Xu W. Randomized quantile residuals for diagnosing zero-inflated generalized linear mixed models with applications to microbiome count data. *BMC bioinformatics*. 2021;22:564.
14. Shestopaloff K*, **Dong M***, Gao F, Xu W. DCMD: Distance-based classification using mixture distributions on microbiome data. *PLoS computational biology*. 2021;17(3):e1008799.
15. **Dong M***, Li L*, Chen M, Kusalik A, Xu W. Predictive analysis methods for human microbiome data with application to Parkinson's disease. *PLoS One*. 2020;15(8):e0237779.

INVITED TALKS	1. The 8th Pacific Causal Inference Conference <i>Tianjin, China</i>	Jul 2026
	2. The 39th New England Statistics Symposium <i>Storrs, CT, USA</i>	May 2026
PRESENTATIONS	1. European Causal Inference Meeting <i>Oxford, UK</i>	April 2026
	2. Brown Bag Seminar, University of Toronto <i>Toronto, CA</i>	April 2026
	3. Center for Causal Inference Seminar, University of Pennsylvania <i>Virtual</i>	Feb 2026
	4. 2025 ICSA International Conference [poster] <i>Taipei, Taiwan</i>	Dec 2025
	5. DSI causal inference workshop [poster] <i>Toronto, Canada</i>	Oct 2025

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	6. 2025 Joint Statistical Meetings <i>Nashville, USA</i>	Aug 2025
	7. The Statistical Society of Canada 2025 Annual Meeting <i>Saskatoon, Canada</i>	May 2025
	8. Research Day, Department of Statistics, University of Toronto [poster] <i>Toronto, Canada</i>	Apr 2025
	9. The 2025 ENAR Spring Meeting <i>New Orleans, USA</i>	Mar 2025
	10. The Statistical Society of Canada 2024 Annual Meeting <i>St. John's, Canada</i>	Jun 2024
	11. 2023 Joint Statistical Meetings <i>Toronto, Canada</i>	Aug 2023
	12. The Statistical Society of Canada 2022 Annual Meeting <i>Virtual</i>	May 2022
	13. Research Day, Division of Biostatistics, University of Toronto [poster] <i>Virtual</i>	May 2022
	14. The Statistical Society of Canada 2019 Annual Meeting <i>Calgary, Canada</i>	May 2019
SERVICE	<i>Conference Photograph Volunteer</i> The 13th Annual Canadian Statistics Student Conference	May 2025
	<i>Conference Organizing Committee</i> Fundraising Committee of The 13th Annual Canadian Statistics Student Conference (CSSC)	Sept 2024 - May 2025
	<i>Reviewer</i> JRSSA Canadian Journal of Statistics Sociological Methods & Research University of Toronto Journal of Public Health (UTJPH)	
PROFESSIONAL DEVELOPMENT	INI causal inference Workshop on Causal inference in Biomedicine University of Cambridge	April 2026
	INI causal inference Workshop on Causal identification and discovery University of Cambridge	Mar 2026
	Sanya Workshop on Causality and Machine Learning Yau Mathematical Sciences Center, Tsinghua University	Jan 2026
	AARMS Summer School: <i>Statistical Learning for High Dimensional Data, Machine Learning and Data Mining</i> University of Prince Edward Island	Jun 2018

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HONORS & AWARDS

NSERC Postdoctoral Fellowship	2026
ICSA-Canada Chapter 2026 Symposium Student/Postdoc Travel Scholarship	2026
IMS Hannan Graduate Student Travel Award	2026
2025 Joint Statistical Meetings Early Career Travel Award	Jun 2025
SSC General Student Research Oral Presentation Award	May 2025
Best Poster Award, U of T Department of Statistics Research Day	Apr 2025
Winner of 2024 SSC Case Study (<i>Winner out of 18 teams; joint work with Linke Li, Ziqian Zhuang, Jasper Zhang</i>)	Jun 2024
CANSSI Stage Trainee	2024-2026
DSI Doctoral Student Fellowship	2024-2027
U of T SGS travel grant	May 2024
Queen Elizabeth II (Sanofi/John G. FitzGerald Graduate Scholarships in Science and Technology)	2023-2024, 2025-2026
University of Toronto Fellowships	2021-2023
Statistical Society of Canada Annual Meeting Student Travel Grant	May 2019
University of Saskatchewan Student Travel Award	May 2019
Graduate Teaching Fellowship, University of Saskatchewan	2017 - 2019
Donghua University Outstanding Graduate (<i>Top 5%</i>)	Jun 2017
Donghua University 1st Class of Tianji Academic Excellence Scholarship	2014 - 2016
Outstanding Student Scholarship of Donghua University (<i>Top 5%</i>)	2015 - 2016
Donghua University Outstanding Student Leader	Sept 2014