

Lee Jiatai Ding

Curriculum Vitae

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EDUCATION

Ph.D. Biostatistics, Harvard University	Expected 2027
Committee: Rui Wang (Chair), Michael D. Hughes, Tom Chen	
Dissertation: <i>“Methods for Adaptive Randomized Trials in Infectious Diseases Research”</i>	
A.M. Biostatistics, Harvard University	2024
Sc.B. Applied Mathematics with Honors, Brown University	2022
Thesis: <i>“Interpretable Neural Networks for Multi-Trait Learning in Genome-Wide Association Studies”</i>	

PROFESSIONAL EXPERIENCE

Harvard University	
Graduate Student Teaching Fellow	2024 – Present
Graduate Student Research Assistant	2022 – Present
National Cancer Institute Division of Cancer Epidemiology and Genetics	
Summer Research Intern	2022
National Cancer Institute Division of Cancer Epidemiology and Genetics	
Summer Research Intern	2021

RESEARCH INTERESTS

Adaptive clinical trials, Cluster randomized trials, Statistical learning, Infectious disease epidemiology, Emerging pathogens, Vaccine evaluation

PUBLICATIONS

Ciocanel MV, **Ding L**, Mastromatteo L, Reichheld S, Cabral S, Mowry K, Sandstede B. Parameter Identifiability in PDE Models of Fluorescence Recovery After Photobleaching. *Bull Math Biol*. 2024 Mar 2;86(4):36. doi: 10.1007/s11538-024-01266-4. PMID: 38430382.

HONORS & AWARDS

Certificate of Distinction in Teaching: BIOSTAT 231, Harvard University	2025
Society for Clinical Trials Thomas C. Chalmers Student Scholarship Finalist	2025

Certificate of Distinction in Teaching: BOSTAT 245, Harvard University	2025
Lee A. Segel Prize for Best Publication, Bulletin of Mathematical Biology	2024
Robert B. Reed Prize for Excellence in Biostatistical Science	2023
National Cancer Institute Cancer Research Training award	2022
Sigma Xi, The Scientific Research Society	2022
Honors, Brown University Department of Applied Mathematics	2022
National Cancer Institute Cancer Research Training Award	2021
Dean's List, New York University Stern Undergraduate College	2019

GRANTS AND FUNDING

Principal Investigator

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship	2026 – Present
Funding Organization: National Institute of Allergy and Infectious Diseases	
Award Number: F31-AI194660	
Award Title: <i>“Methods for Adaptive Randomized Trials in Infectious Disease Research”</i>	
Impact Score: 20	
Percentile: 11th	
Project Period Begin Date: 01/01/2026	

Training Grant Fellow

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant	2022 – Present
Funding Organization: National Institute of Allergy and Infectious Diseases	
Award Number: T32-AI007358	
Award Title: <i>“Biostatistics/Epidemiology Training Grant in AIDS”</i>	
Role: Graduate Student Trainee	

TEACHING EXPERIENCE

Harvard University (as graduate teaching assistant)

BOSTAT 245: Analysis of Multivariate and Longitudinal Data	2025
BOSTAT 231: Statistical Inference I	2025
BOSTAT 245: Analysis of Multivariate and Longitudinal Data	2024
BST 223: Applied Survival Analysis	2024

Brown University (as undergraduate teaching assistant)

APMA 1655: Statistical Inference I (Honors)	2022
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APMA 1690: Computational Probability and Statistics	2021
APMA 1650: Statistical Inference I	2021
APMA 0650: Essential Statistics	2021
APMA 1650: Statistical Inference I	2020

PRESENTATIONS

Ding L. "Emulating a Target Trial of Feeding Choice on Subsequent Pregnancy Outcomes for Women with HIV." Oral presentation, Harvard University Department of Biostatistics Lightning Talks, Boston, MA (2025).

Ding L. "Designing Group Sequential Cluster Randomized Trials for Infectious Disease Research." Invited talk, 2025 WNAR/IMS Annual Meeting, Whistler, BC, Canada (2025).

Ding L. "Power Calculation for Group Sequential Cluster Randomized Trials with Continuous or Binary Outcomes." Invited talk, 46th Annual Meeting of the Society for Clinical Trials, Vancouver, BC, Canada (2025).

Ding L. "Sample Size Calculations for Group Sequential Cluster Randomized Trials." Invited talk, New England Student Research Symposium on Statistics and Data Science, Boston, MA (2024).

Ding L. "Sample Size Calculations for Group Sequential Cluster Randomized Trials." Oral presentation, Harvard University Department of Biostatistics Second Year Research Symposium, Boston, MA (2024).

Ding L., Filho AM, Rosenberg PS. "Time Trends by Age and Sex in Obesity-Related Cancers: A Nonparametric Assessment." Oral presentation, National Cancer Institute Division of Cancer Epidemiology and Genetics Biostatistics Branch Meeting, Rockville, MD (2022).

Ding L., Filho AM, Rosenberg PS. "Time Trends by Age and Sex in Obesity-Related Cancers: A Nonparametric Assessment." Poster presentation, National Cancer Institute Division of Cancer Epidemiology and Genetics End of Summer Event, Rockville, MD (2022).

Ding L., Filho AM, Rosenberg PS. "Time Trends by Age and Sex in Obesity-Related Cancers: A Nonparametric Assessment." Poster presentation, National Institutes of Health Summer Internship Program Presentation Week, Bethesda, MD (2022).

Ding L. "Interpretable Neural Networks for Multi-Trait Learning in Genome-Wide Association Studies." Oral presentation, Brown University Department of Applied Mathematics Honors Thesis Presentation Day, Providence, RI (2022).

Ding L., Elrod J, Rosenberg PS. "Estimating Changes in Average Annual Percentage Change of Disease Rates – Alternatives to JoinPoint Regression." Oral presentation, National Cancer Institute Division of Cancer Epidemiology and Genetics Biostatistics Branch Meeting, Rockville, MD (2021).

Ding L., Elrod J, Rosenberg PS. "Estimating Changes in Average Annual Percentage Change of Disease Rates – Alternatives to JoinPoint Regression." Poster presentation, National Cancer

Institute Division of Cancer Epidemiology and Genetics End of Summer Event, Rockville, MD (2021).

Ding L, Elrod J, Rosenberg PS. "Estimating Changes in Average Annual Percentage Change of Disease Rates – Alternatives to JoinPoint Regression." Poster presentation, National Institutes of Health Summer Internship Program Presentation Week, Bethesda, MD (2021).

Ding L, Mastromatteo L, Reichheld S. "Parameter Identifiability in PDE Models of Fluorescence Recovery After Photobleaching." Poster presentation, National Institute for Mathematical and Biological Synthesis Undergraduate Research Conference, Knoxville, TN (2020).

PROFESSIONAL SERVICE

University Service

Biostatistics PhD Student Committee, Harvard University

Chair

2025 – Present

Events Coordinator

2023 – 2025

Biostatistics PhD Student Support Seminar Series, Harvard University

Co-coordinator

2023 – Present

Biostatistics PhD Peer Mentorship Program, Harvard University

Co-coordinator

2023 – Present