

# ZIQIAO WANG – CURRICULUM VITAE

## CONTACT

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Website: <https://ziqiaow.github.io>

## EDUCATION

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- The University of Texas MD Anderson UTHealth Graduate School (GSBS)**, Houston, TX 2016–2021  
Ph.D. in Biostatistics GPA 4.0/4.0
- Stony Brook University**, Stony Brook, NY 2013–2015  
B. S., Double Majored in Mathematics & Applied Mathematics and Statistics GPA 3.9/4.0  
*Honors: Summa Cum Laude*
- Nanjing University**, Nanjing, China 2011–2013  
B.S. in Mathematics GPA 4.1/5.0

## PROFESSIONAL EXPERIENCE

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### UNIVERSITY OF VIRGINIA

- Assistant Professor, Department of Genome Sciences 1/2026–
- Member, UVA Comprehensive Cancer Center 1/2026–

### JOHNS HOPKINS UNIVERSITY

- Postdoctoral Fellow, Department of Biostatistics 9/2022–12/2025

### ELI LILLY AND COMPANY

- Advisor - Statistics, Statistics Data and Analytics, Early Phase Immunology 3/2022–8/2022
- Research Scientist - Statistician, Statistics Data and Analytics, Early Phase Immunology 6/2021–3/2022

### THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER

- Graduate Research Assistant, Department of Biostatistics 2016–2021
- Graduate Research Assistant, Department of Pathology 2018–2021
- Teaching Assistant for Modern Nonparametrics, Department of Biostatistics Spring 2021

### MERCK & CO.

Summer Intern, Methodology Group, Biostatistics and Research Decision Science (BARDS) 5/2018–8/2018

## STONY BROOK UNIVERSITY

- Teaching Assistant for Finite Mathematics Structures, Department of Applied Mathematics and Statistics  
Fall 2015
- Teaching Assistant for Data Analysis, Department of Applied Mathematics and Statistics  
Summer 2015
- Peer tutor for college-level math courses, Department of Mathematics  
Fall 2014-Spring 2015

## HONORS & AWARDS

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- 2024-2029 K99/R00 NIH Pathway to Independence Award  
NIH NHGRI
- 2024-2025 Trans-Omics for Precision Medicine (TOPMed) Fellow (Award amount: \$76,650)  
NIH NHLBI
- 2020-2021 Andrew Sowell-Wade Huggins Scholarship in Cancer Research  
GSBS
- 2020 Student Virtual Conference Award (*The American Society of Human Genetics (ASHG) 2020*)  
GSBS
- 2020 Student Travel Award (*the Joint Statistical Meetings (JSM) 2020*)  
QS program, GSBS
- 2019 Scholarship for Summer Institute in Statistical Genetics  
University of Washington
- 2019 Student Travel Award (**JSM 2019**)  
GSBS
- 2019 Student Travel Award (The International Biometric Society Eastern North American Region (**ENAR**)  
2019 Spring Meeting)  
QS program, GSBS
- 2018 Student Travel Award (Conference on Statistical Learning and Data Science / Nonparametric Statistics  
(**SLDS**) at Columbia University)  
QS program, GSBS
- 2015 Outstanding Academic Achievement Award  
Stony Brook University
- 2013-2015 Dean's List (Every Semester)  
Stony Brook University
- 2013 Outstanding Leadership Honor  
Nanjing University
- 2012 Ren Min Scholarship Academic Award  
Nanjing University
- 2012 Scholarship for Outstanding Performance in Extra Curriculum Activities  
Nanjing University

## PEER REVIEWED PUBLICATIONS

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\*: Co-first Author.

1. Eulalio, T., Kim, Y., ..., **Wang, Z.**, ..., Wang, Z. (2026). Epigenome-wide analysis identifies DNA methylation mediators of treatment-related cardiometabolic risk in survivors of childhood cancer. *Nature Communications*. doi:10.1038/s41467-026-68689-6.
2. Koliijn, P.M., Smith-Byrne, K., ..., **Wang, Z.**,..., Vermeulen, R.C.H. (2025). Multi-cohort high-dimensional proteomics reveals early risk markers for lymphoid cancer subtypes. *Nature Communications*. doi:10.1038/s41467-025-64534-4.
3. Mhatre, S., ..., **Wang, Z.**,..., Chatterjee, N. (2025). A genome-wide association study of buccal mucosa cancer in India and multi-ancestry meta-analysis discovers risk loci and gene-environment interactions. *eBioMedicine*. doi:10.1016/j.ebiom.2025.106042.
4. Syleouni, M., Joshu, C., ..., **Wang, Z.**, Chatterjee, N., Rohrmann, S., Platz, E. (2025). Discovering plasma proteins associated with breast cancer incidence in post-menopausal women in the prospective ARIC study. *J Natl Cancer Inst*. doi: 10.1093/jnci/djaf170.
5. Koester, A., ..., **Wang, Z.**, ..., Klekotka, P., Nirula, A. (2025). Ucenprubart is an agonistic antibody to CD200R with the potential to treat inflammatory skin disease: preclinical development and a phase 1 clinical study. *Nature Communications*. doi: 10.1038/s41467-025-59147-w.
6. Johansen, MC., Chen, J., Walker, KA., **Wang, Z.**, ..., Coresh, J. (2025). Proteomics and the Risk of Incident Embolic and Thrombotic Stroke. *Ann Neurol*. doi: 10.1002/ana.70011.

7. **Wang, Z.**, Shi, W., Carroll, R., Chatterjee, N. (2024). Joint Modeling of Gene-Environment Correlations and Interactions Using Polygenic Risk Scores in Case-Control Studies. *American Journal of Epidemiology*. doi: 10.1093/aje/kwae081.
8. Zhang, M., Ru, M., Zhang, J., **Wang, Z.**, et al. (2024). Alcohol consumption does not modify the polygenic risk score-based genetic risk of breast cancer in postmenopausal women: Atherosclerosis Risk in Communities study. *Cancer Prevention Research*. doi: 10.1158/1940-6207.CAPR-24-0208.
9. Dzaye, O., ..., **Wang, Z.**, Chatterjee, N., Matsushita, K., Blaha, M. (2024). Polygenic Risk Scores and Extreme Coronary Artery Calcium Phenotypes in Adults > 75 Years Old: The Atherosclerosis Risk in Communities Study. *Circulation: Cardiovascular Imaging* 17.11 (2024): e017531. doi: 10.1161/CIRCIMAGING.123.016377.
10. Lee, S., Bondaruk, J., Wang, Y., Chen, H., Lee, J., Majewski, T., Mullen, R., Cogdell, D., Chen, J., **Wang, Z.**, Yao, H., Kus, P., Jeong, J., Lee, I., Choi, W., Navai, N., Guo, C., Dinney, C., Baggerly, K., Mendelsohn, C., McConkey, D., Behringer, R., Kimmel, K., Wei, P., Czerniak, B. (2024). Loss of LPAR6 and CAB39L dysregulates the basal-to-luminal urothelial differentiation program, contributing to bladder carcinogenesis. *Cell reports*. doi: 10.1016/j.celrep.2024.114146.
11. **Wang, Z.**, Lu, Y., Fornage, M., Jiao, L., Li, D., Wei, P. (2022). Identification of novel susceptibility methylation loci for pancreatic cancer in a two-phase epigenome-wide association study, *Epigenetics*. doi: 10.1080/15592294.2022.2026591. (*Platform presentation, IGES 2019*).
12. Xu, Y.\*, **Wang, Z.\* (co-first author)**, Wei, P., Gairola, R., Kelsey, K., Sikora, A., Li, G., Gu, J. (2022). Hypermethylation of nc886 in HPV-positive oropharyngeal cancer and its clinical implications: an epigenome DNA methylation profiling study. *Molecular Therapy-Nucleic Acids*, 30:596-605. doi:10.1016/j.omtn.2022.11.012.
13. Bondaruk, J.\*, Jaksik, R.\*, **Wang, Z.\* (co-first author)**, Cogdell, D.\*, Lee, S., Chen, Y., Dinh, K., Majewski, T., Zhang, L., Cao, S., Yao, H., Weinstein, J., Navai, N., Dinney, C., Gao, J., Theodorescu, D., Logothetis, C., Guo, C., Wang, W., McConkey, D., Wei, P., Kimmel, M., Czerniak, B. (2022). The origin of bladder cancer from mucosal field effects. *iScience*. doi: 10.1016/j.isci.2022.104551.
14. **Wang, Z.**, Wei, P. (2020). IMIX: A Multivariate Mixture Model Approach to Association Analysis Through Multi-Omics Data Integration, *Bioinformatics*. doi:10.1093/bioinformatics/btaa1001. (*Platform presentation, ASHG 2020*).
15. **Wang, Z.**, Chen, J. (2020). Testing for Trend in Benefit-Risk Analysis with Prioritized Multiple Outcomes. *Statistics in Biopharmaceutical Research*. doi: 10.1080/19466315.2019.1690037.
16. Yang, G.\*, Bondaruk, J.\*, Cogdell, D.\*, **Wang, Z.\* (co-first author)**, Lee, S., Lee, J., Zhang, S., Choi, W., Wang, Y., Liang, Y., Wang, G., Wang, Y., Yao, H., Dadhania, V., Logothetis, C., Siefker-Radtke, A., Kamat, A., Dinney, C., Theodorescu, D., Kimmel, M., Wei, P., Guo, C., Weinstein, J., McConkey, D., Czerniak, B. (2020). Urothelial-to-Neural Plasticity Drives Progression to Small Cell Bladder Cancer. *iScience*. doi: 10.1016/j.isci.2020.101201.
17. Guo, C. C., Bondaruk, J., Yao, H., **Wang, Z.**, Zhang, L., Lee, S., Lee, J. G., Cogdell, D., Zhang, M., Yang, G., Dadhania, V., Choi, W., Wei, P., Gao, J., Theodorescu, D., Logothetis, C., Dinney, C., Kimmel, M., Weinstein, J. N., McConkey, D. J., ... Czerniak, B. (2020). Assessment of Luminal and Basal Phenotypes in Bladder Cancer. *Scientific reports*, 10(1), 9743. doi:10.1038/s41598-020-66747-7.
18. Guo, C., Majewski, T., Zhang, L., Yao, H., Bondaruk, J., Wang, Y., Zhang, S., **Wang, Z.**, Lee, J., Lee, S., Cogdell, D., Zhang, M., Wei, P., Grossman, H., Kamat, A., Duplisea, J., Ferguson, J., Huang, H., Dadhania, V., Dinney, C., Weinstein, J., Baggerly, K., McConkey, D., Czerniak, B. (2019). Dysregulation of EMT Drives the Progression to Clinically Aggressive Sarcomatoid Bladder Cancer. *Cell reports*, 27(6), 1781–1793.e4. doi:10.1016/j.celrep.2019.04.048.
19. Zhang, Y., Sturgis, E.M., Wei, P., Liu, H., **Wang, Z.**, Ma, Y., Liu, C., Gu, K.J., Wei, Q., and Li, G. (2019). A Genetic Variant within MDM4 3'UTR miRNA Binding Site is Associated with HPV16-positive Tumors and Survival of Oropharyngeal Cancer. *Molecular carcinogenesis*, 58(12), 2276–2285. doi:10.1002/mc.23116.
20. Yang, Z., Zhang, Y., Wang, X., Huang, J., Guo, W., Wei, P., Li, G., **Wang, Z.**, Huang, Z., and Zhang, L. (2019). Putative Biomarkers of Malignant Transformation of Sinonasal Inverted Papilloma into Squamous Cell Carcinoma. *The Journal of international medical research*, 47(6), 2371–2380. doi:10.1177/0300060519838385.

## WORK IN PROGRESS

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21. **Wang, Z.**, Czerniak, B., Wei, P. (2025+). Spatial IMIX: A Mixture Model Approach to Spatially Correlated Multi-Omics Data Integration. *Preprint*. doi:10.1101/2023.07.15.549148.
22. **Wang, Z.**, Grosvenor, L., Ray, D., Ruczinski, I., Beaty, T., Volk, H., Ladd-Acosta, C., Chatterjee, N. (2026+). Estimation of Direct and Indirect Polygenic Effects and Gene-Environment Interactions using Polygenic Scores in Case-Parent Trio Studies. *Under Revision. Preprint*. doi: 10.1101/2024.10.08.24315066.
23. **Wang, Z.**, Burk, V., ..., Chatterjee, N., Platz, E. (2026+). Identifying Plasma Proteins Associated with Risk of Solid Cancers: A 25-Year Prospective Analysis of 4,712 Circulating Proteins in the ARIC Study. *Preprint*. doi: 10.64898/2026.03.16.26348527.
24. **Wang, Z.**, Dutta, D., Chatterjee, N. (2026+). Canonical correlation analysis and partitioned polygenic scores reveal interesting biological pathways in diseases.
25. Mathews, L., Hu, X., **Wang, Z.**, et al. (2026+). MMP7 as a Causal Factor for Incident Hypertension and its Complications Proteomic Analysis from the Atherosclerosis Risk in Communities (ARIC) Study and Mendelian Randomization Study.
26. Platz, E., **Wang, Z.**, et al. (2025). Plasma protein LEG1 homolog and post-menopausal breast cancer risk in the UK Biobank. *medRxiv*. doi: 10.1101/2025.10.26.25338822.

## PRESENTATIONS

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### Invited Talks

1. “Estimation of Direct and Indirect Polygenic Effects and Gene-Environment Interactions using Polygenic Scores in Case-Parent Trio Studies.” The Joint Statistical Meetings (**JSM**). Nashville, TN. Aug 3-7, 2025.
2. “Joint estimation of direct and indirect polygenic effects using multi-trait polygenic scores in case-parent trio studies.” Invited Session: Family-based Studies in the Post-GWAS Era. STATGEN 2025: Conference on Statistics in Genomics and Genetics. The American Statistical Association (ASA) Section on Statistics in Genomics and Genetics (SSGG). Minneapolis, MN. May 21-23, 2025.
3. Guest lecturer in 140.860.01 “Current Topics in Biostatistics Research.” Department of Biostatistics, Johns Hopkins University. Baltimore, MD. Jan 30, 2025.
4. “Estimation of Direct and Indirect Polygenic Effects and Gene-Environment Interactions using Polygenic Scores in Case-Parent Trio Studies.” Department of Biostatistics, Johns Hopkins University. Baltimore, MD. September 23, 2024.
5. “Novel Methods for Estimating Risk Parameters Associated with Polygenic Scores using Case-Parent Trio Designs.” STATGEN 2024: Conference on Statistics in Genomics and Genetics. The American Statistical Association (ASA) Section on Statistics in Genomics and Genetics (SSGG). Pittsburgh, PA. May 1-3, 2024.
6. “Risk Parameter Estimation under Polygenic Models from Case-Parent Trios and Applications on GEARS Study.” GEARS seminar, Department of Epidemiology, Johns Hopkins University, Baltimore, MD. April 26, 2023.
7. “IMIX: A multivariate mixture model framework for integrative analysis of multiple types of omics data.” Discovery statisticians and biologists meeting, Eli Lilly and Company, Indianapolis, IN. August 5, 2022.
8. “Testing for Trend in Benefit-Risk Analysis with Prioritized Multiple Outcomes.” Dr. Anil Korkut’s lab, Department of Bioinformatics & Computational Biology, The University of Texas MD Anderson Cancer Center, Houston, TX. October 12, 2018.
9. “Internship Experience at Merck.” GSBS Quantitative Sciences Department Retreat, NASA Space Center, Houston, TX. September 29, 2018.

### Selected Conference Talks

1. “Estimation of Direct and Indirect Polygenic Effects and Gene-Environment Interactions using Polygenic Scores in Case-Parent Trio Studies.” PRIMED Consortium Fall 2024 Meeting. Bethesda, MD. October 24-25, 2024.

2. “Joint Modeling of Gene-Environment Correlations and Interactions Using Polygenic Risk Scores in Case-Control Studies.” **ENAR** 2024, Baltimore, MD. March 10-13, 2024.
3. “Spatial IMIX: A Mixture Model Approach to Spatially Correlated Multi-Omics Data Integration.” The Joint Statistical Meetings (**JSM**) 2022, Washington, D.C. August 7-11, 2022.
4. “IMIX: A multivariate mixture model framework for integrative analysis of multiple types of omics data.” **Platform Presentation** (top 8% submitted abstracts selected), The American Society of Human Genetics (**ASHG**) 2020 Annual Meeting, virtual. October 27-30, 2020.
5. “IMIX: A multivariate mixture model framework for integrative analysis of multiple types of omics data.” The Joint Statistical Meetings (**JSM**) 2020, virtual. August 2-6, 2020.
6. “A two-stage epigenome-wide association study identifies novel pancreatic cancer susceptibility loci by leveraging public controls.” **Platform Presentation**, International Genetic Epidemiology Society (**IGES**) Annual Meeting, Houston, TX. October 12 - 14, 2019.
7. “Statistical methods for leveraging public controls in a two-stage epigenome-wide association study.” The Joint Statistical Meetings (**JSM**) 2019, Denver, CO. July 27 - August 1, 2019.
8. “Robust and Powerful New Methods for Trend Testing of Composite Endpoints in Benefit-Risk Analysis.” Merck & Co., Bards, Upper Gwynedd, PA. August 9, 2018.

### Selected Conference Posters

1. “Novel Methods for Estimating Risk Parameters Associated with Polygenic Scores using Case-Parent Trio Designs.” The American Society of Human Genetics (**ASHG**) 2023 Annual Meeting, Washington, D.C. November 1-5, 2023.
2. “A multivariate mixture model approach to integrative analysis of omics data.” Integrative Biostatistics Research for Imaging, Genomics, & High-throughput Technologies in Precision Medicine (**iBRIGHT**) 2019, Houston, TX. November 11 - 13, 2019.
3. “A two-stage epigenome wide association study identifies novel pancreatic cancer susceptibility loci by leveraging public controls.” The American Society of Human Genetics (**ASHG**) 2019 Annual Meeting, Houston, TX. October 15 - 19, 2019.
4. “Statistical Methods for Leveraging Public Controls in Epigenome-Wide Association Study.” Conference on Statistical Learning and Data Science / Nonparametric Statistics (**SLDS**), Columbia University, New York, NY. June 4 - 6, 2018.

## ACADEMIC SERVICE AND OUTREACH

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1. Peer Reviewer: Cell Genomics, Nature Communications, Statistics in Medicine, BMC Bioinformatics, Epigenetics, Human Genetics and Genomics (HGG) Advances, iScience, Scientific Reports, Statistics in Biopharmaceutical Research, Statistics in Biosciences, Wires Computational Statistics
2. Organizer and Chair, Invited Session: Advanced Methods for Data Integration in Genetics. STATGEN 2025: Conference on Statistics in Genomics and Genetics. ASA SSGG. 05/2025
3. Awards Committee, ENAR of International Biometrics Society 08/2024 - 03/2025
4. Co-founder, ASA Postdoctoral Association (ASAPA) 01/2024 - present
5. Organizer, Bi-Weekly Statistical Genetics Working Group Seminar Series, Department of Biostatistics, Johns Hopkins University 01/2023 - 08/2025
6. Executive Member, Council of Emerging and New Statisticians (CENS), ENAR of International Biometrics Society 05/2022 - 05/2024
7. Organizer, Invited Session: Paths to Success: Perspectives from Recruiters and Hiring Committees with a Focus on Fostering Inclusivity and Equity, ENAR 2024 03/2024
8. Session Chair, Contributed Papers: Genome Wide Association Studies, ENAR 2024 03/11/2024
9. Session Chair, Contributed Papers: High Dimensional Data Analysis, ENAR 2021 03/15/2021
10. Peer Mentor, GSBS Peer Mentoring Program for First-Year GSBS PhD student 08/2019 - 05/2021
11. Student Representative, GSBS Standing Committees Curriculum Committee 10/2019 - 09/2020

- 12. Committee Member, GSBS Quantitative Sciences Program Curriculum Committee 09/2018 - 08/2020
- 13. Member, Stony Brook University Environmental Club 2014-2015
- 14. Volunteer Teacher, AIESEC, Dare To Dream Volunteer Teaching Program, An Hui, China Summer 2014

## RESEARCH MENTORSHIP

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- Charissa Luk, Undergraduate Student in Biomedical Engineering at JHU. July 2023 - July 2025. Project: Data preprocessing and normalization of OLINK proteomics data in the UK Biobank.
- Bipasha Akhter and Radiah Azmyne Khan, Visiting Scholars from Bangladesh. Aug 2024. Project: Genome-wide association studies on negative birth outcomes in South Asian women.
- Tryggvi McDonald, First-year PhD student from the Department of Human Genetics and Genomics, JHU. Jan - April, 2024. Project: Identifying incident cardiovascular disease and type 2 diabetes patients and PGSxE interactions in the UK Biobank.
- Sameer Gabbita, Undergraduate Student in Biomedical Engineering at JHU. Summer Internship, Bloomberg Distinguished Professor (BDP) Summer Research Program at JHU, 2024. Project: Mendelian Randomization to identify the causal relationship between LDL and Breast Cancer Survival Rates.
- Zoey Hall, Undergraduate Student from Howard University, major in Computer Science, minor in Maternal & Child health. Vivien Thomas Scholars Initiative Summer Fellow, Diversity Summer Internship Program at Johns Hopkins Bloomberg School of Public Health, 2024. Project: Polygenic scores of Attention-deficit/hyperactivity disorder (ADHD) in the Black population from the Boston Birth Cohort.

## FUNDING SUPPORT

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### CURRENT:

- R00HG013674 (Wang, Ziqiao) 02/20/2026 - 02/20/2029  
National Human Genome Research Institute/NIH  
Enhancing the Interpretability and Applicability of Polygenic Scores through Multi-Omics Integration and Analysis of Family-Based Studies  
**Role:** Principal Investigator

### COMPLETED:

- 1K99HG013674-01 (Wang, Ziqiao) 09/19/2024 - 12/31/2025  
National Human Genome Research Institute/NIH  
Enhancing the Interpretability and Applicability of Polygenic Scores through Multi-Omics Integration and Analysis of Family-Based Studies  
**Role:** Principal Investigator
- 1R01HG010480 (Chatterjee, Nilanjan) 05/01/2019 – 09/15/2024  
National Human Genome Research Institute/NIH  
Robust Methods for Polygenic Analysis to Inform Disease Etiology and Enhance Risk Prediction  
**Role:** Postdoctoral Fellow
- 5R01HL116720 (Wei, Peng) 8/24/2017-7/31/2023  
National Heart, Lung, and Blood Institute/NIH  
Association Analysis of Rare Variants with Sequencing Data  
**Role:** Graduate Research Assistant
- 5R01CA169122 (Wei, Peng) 4/20/2017-5/31/2019  
National Cancer Institute/NIH  
Genetic Susceptibility and Risk Model for Pancreatic Cancer  
**Role:** Graduate Research Assistant

- 600657-30-120536-28 (Wei, Peng)  
The University of Texas MD Anderson Cancer Center/IRG  
Epigenetic Susceptibility to Pancreatic Cancer  
**Role:** Graduate Research Assistant

12/1/2017-11/30/2019

## SHORT COURSES AND WORKSHOPS

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1. “Everything you ever wanted to know about applying for NIH Grants (but were afraid to ask).” NHGRI’s ASHG workshop. Washington, DC. Nov, 2023.
2. “Guidance and Strategies for Crafting Competitive Funding Proposals.” JHU. Oct 19, 2023.
3. “Writing a Winning NIH Grant Proposal Seminar.” JHU. Oct 9, 2023.
4. “Mendelian randomisation.” Short course, Imperial College London. May 22-23, 2023.
5. “Integrative clustering of multiple genomic data types using a joint latent variable model with application to breast and lung cancer subtype analysis.” **Presentation** at Statistical Genetics Journal Club, Houston, TX. April 8, 2020.
6. “Mini Course: Academic Writing Style.” Writing Support Services, UTHealth SPH, Houston, TX. March 2 - 23, 2020.
7. “PubMed for Advanced Searchers.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. November 14, 2019.
8. “Interactive Invited Workshop: The Michigan Imputation Server: Data Preparation, Genotype Imputation, and Data Analysis.” **ASHG**, Houston, TX. October 17, 2019.
9. “Education Workshop on Mendelian Randomization.” **IGES**, Houston, TX. October 12, 2019.
10. “Conversation 2: Workplace Conversations.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. October 2 - November 20, 2019.
11. “Making Presentations.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. July 29 - September 16, 2019.
12. “Literature Reviews.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. September 26, 2019.
13. “PubMed: The Basics.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. September 24, 2019.
14. “Mixed Models in Quantitative Genetics”; “Association Mapping: GWAS and Sequencing Data”; “Computational Pipeline for WGS Data.” University of Washington, Seattle, WA. July 17 - 26, 2019. (**Scholarship**).
15. “Writing 2: Making your sentences flow.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. May 13 - June 27, 2019.
16. “An Introduction to Causal Effect Estimation with Examples Using SAS Software.” **ENAR**, Philadelphia, PA. March 25, 2019. (**Travel award**).
17. “Writing 1: Writing coherent paragraphs.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. March 12 - April 25, 2019.
18. “Common SNPs explain a large proportion of the heritability for human height.” **Presentation** at Statistical Genetics Journal Club, Houston, TX. February 8, 2019.
19. “Writing 3: Editing your own writing.” Scientific Publications, Research Medical Library, MD Anderson Cancer Center, Houston, TX. January 7 - February 21, 2019.

## PROFESSIONAL MEMBERSHIPS

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- PRIMED Consortium (2024 - )
- American Society of Human Genetics (2019 - )

- International Genetic Epidemiology Society (2019 - )
- International Chinese Statistical Association (2019 - )
- Eastern North American Region (ENAR) / International Biometric Society (2019 - )
- American Statistical Association (2017 - )
- Institute of Mathematical Statistics (2017 - )

## RESEARCH INTERESTS

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- Statistical Genetics
- Genetic Epidemiology
- Cancer Genomics
- Mixture Model
- Machine Learning and Nonparametric Methods