Yue Guan, ScM, PhD, CGC

Research Assistant Professor
Licensed, Certified Genetic Counselor
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EDUCATION

Dec 2016	Postdoctoral Fellowship, University of Maryland School of Medicine Field of Study: Precision Medicine Dissemination and Implementation
Dec 2015	PhD, Johns Hopkins Bloomberg School of Public Health Field of Study: Health Communication & Social Behavioral Sciences
Jan 2012	Master of Science, Johns Hopkins Bloomberg School of Public Health & National Human Genome Research Institute Field of Study: Genetic Counseling
Jul 2009	Bachelor of Medicine, Peking University (China)
Jul 2008	Bachelor of Art (Dual Degree), Peking University (China)

CERTIFICATION

2013-	Certified Genetic Counselor, American Board of Genetic Counselors
2020-	Licensed Genetic Counselor in Georgia

ACADEMIC APPOINTMENTS

2019-	Co-Director, Emory Precision Public Health Research Program, Emory University
2018-	Research Assistant Professor, Department of Behavioral, Social, and Health Education Sciences, Rollins School of Public Health, Emory University
2018-	(Joint) Faculty, Genetic Counseling Training Program, Emory University School of Medicine
2018-2020	(Joint) Faculty, Department of Medicine, University of Maryland School of Medicine
2016-2017	Instructor, Department of Medicine, University of Maryland School of Medicine
2011-2015	Graduate Research Assistant, Department of Health, Behavior and Society, Johns Hopkins Bloomberg School of Public Health

CLINICAL APPOINTMENTS

2015-2017	Genetic Counselor, Program for Personalized and Genomic Medicine, University of Maryland School of Medicine
2013-2015	Genetic Counselor (9 months), Prenatal Diagnosis and Treatment Center, The Johns Hopkins Hospital
2009-2012	Genetic Counselor Intern, Johns Hopkins Bloomberg School of Public Health & National Human Genome Research Institute
2008-2009	Nurse Intern, Peking University (China)

HONORS & AWARDS

2020	Innovative Teaching (FIT) Grant Award, Emory University
2014	Gordis Teaching Fellowship, The Johns Hopkins University
2014	Doctoral Distinguished Research Award, The Johns Hopkins University
2012	Second prize, The Delta Omega Alpha Chapter Scientific Poster Competition

RESEARCH

GRANT SUPPORT

Pending

2021-2026 Comparing direct and indirect methods for cascade screening in Familial Hypercholesterolemia (FH) and Long QT Syndrome (LQTS). National Human Genome Research Institute (R01). PI: Beitelshees A
Role: Site-PI

2021-2024 Evaluating Scalable Evidence-Based Family History Screening in Rural Public Health Settings to Increase Genetic Counseling Referrals and Uptake for Women at High Risk for BRCA-Associated Cancers. Centers for Disease Control and Prevention (SIP)
Role: MPI

Active

2020-2021 Examining multilevel barriers and facilitators to implementation of genetic risk-stratified breast cancer screening guideline. Winship Invest$ Grant. PI: Guan Y
Role: PI

2020-2021 Improving implementation process and scalability of a population-based patient-centered telegenetic counseling program. Marcus Foundation. MPI: Grinzaid K, Guan Y
Role: Co-PI

2020-2024 Testing a low cost population- and theory-based outreach intervention to engage ovarian cancer survivors and their close relatives to consider genetic services. National Cancer Institute (U01). PI: McBride CM
Role: Co-I, Lead of Citizen Science Team & Genetic Counseling Team

2019-2021 Evaluating deliberative democracy approaches with citizens of African ancestry regarding population screening for hereditary cancer syndromes. National Cancer Institute (R21). PI: McBride CM
Role: Co-I

Completed

2018-2020 A community-based approach to overcoming barriers to cascade screening for long QT syndrome. National Human Genome Research Institute (R21). PI: Beitelshees A
Role: Site-PI

2018-2019 Exploring perceived benefits and risks surround utilizing APOL1 genotyping in kidney transplantation among African Americans with kidney disease. Georgia Association of Genetic Counselors Grant. Student PI: Vaughn J
Role: Advisor

2014-2018 Genomic diagnosis and individualized therapy of highly penetrant genetic diabetes. National Human Genome Research Institute (U01). PI: Pollin T
Role: Co-I, Genetic Counselor

2018-2019 Engaging patients to inform cyp2c19 testing utilization in patient care. Agency for Healthcare Research and Quality (Pilot Grant). PI: Maloney K
Role: Co-I

PUBLICATIONS

* Indicates author was a mentored student/trainee during the time that work was completed

Peer-Reviewed Journal Articles

1. Zhao J, McBride CM, **Guan Y***. Misinterpretation of Hereditary Breast Cancer Risk and Its Association with Information Sharing Motives among Women at Low Likelihood of Carrying a BRCA1/2 Mutation. Public Health Genomics. 2020:1-5. Epub 2020/10/28. doi: 10.1159/000511131. PubMed PMID: 33108784.
2. **Guan Y**, McBride CM, Rogers H, Zhao J, Allen CG, Escoffery C. Initiatives to Scale Up and Expand Reach of Cancer Genomic Services Outside of Specialty Clinical Settings: A Systematic Review. Am J Prev Med. 2020. Epub 2020/11/11. doi: 10.1016/j.amepre.2020.08.029. PubMed PMID: 33168338.
3. **Guan Y**, Maloney KA, Pollin TI. Patient perspectives on the diagnostic journey to a monogenic diabetes diagnosis: Barriers and facilitators. J Genet Couns. 2020 Mar 12;. doi: 10.1002/jgc4.1247. [Epub ahead of print] PubMed PMID: 32162750.
4. Neogi A, Kumar J, **Guan Y**, Parani M. Genetic counseling education at the undergraduate level: An outreach initiative to promote professional recruitment and support workforce development. J Genet Couns. 2020;29(2):234-42. Epub 2020/04/01. doi: 10.1002/jgc4.1253. PubMed PMID: 32227571.
5. McBride CM, **Guan Y**, Hay JL. Regarding the Yin and Yang of Precision Cancer- Screening and Treatment: Are We Creating a Neglected Majority? Int J Environ Res Public Health. 2019;16(21). Epub 2019/11/02. doi: 10.3390/ijerph16214168. PubMed PMID: 31671746.
6. **Guan Y**, Condit CM, Escoffery C, Bellcross CA, McBride CM. Do Women who Receive a Negative BRCA1/2 Risk Result Understand the Implications for Breast Cancer Risk? Public Health Genomics. 2019:1-8. Epub 2019/10/10. doi: 10.1159/000503129. PubMed PMID: 31597139.
7. Allen CG, Duquette D, **Guan Y***, McBride CM. Applying theory to characterize impediments to dissemination of community-facing family health history tools: a review of the literature. J Community Genet. 2019. Epub 2019/07/04. doi: 10.1007/s12687-019-004249. PubMed PMID: 31267271.
8. **Guan Y**, Nehl E, Pencea I, Condit CM, Escoffery C, Bellcross CA, McBride CM. Willingness to decrease mammogram frequency among women at low risk for hereditary breast cancer. Sci Rep. 2019;9(1):9599. Epub 2019/07/05. doi: 10.1038/s41598-019-459676. PubMed PMID: 31270367.
9. Allen CG, Roberts M, **Guan Y***. Exploring Predictors of Genetic Counseling and Testing for Hereditary Breast and Ovarian Cancer: Findings from the 2015 U.S. National Health Interview Survey. J Pers Med. 2019;9(2). Epub 2019/05/15. doi: 10.3390/jpm9020026. PubMed PMID: 31083288.
10. Orlando LA, Voils C, Horowitz CR, Myers RA, Arwood MJ, Cicali EJ, McDonough CW, Pollin TI, **Guan Y**, Levy KD, Ramirez A, Quittner A, Madden EB. IGNITE network: Response of patients to genomic medicine interventions. Mol Genet Genomic Med. 2019:e636. Epub 2019/03/22. doi: 10.1002/mgg3.636. PubMed PMID: 30895746.
11. Abacan M, Alsubaie L, Barlow-Stewart K, Caanen B, Cordier C, Courtney E, Davoine E, Edwards J, Elackatt NJ, Gardiner K, **Guan Y**, Huang LH, Malmgren CI, Kejriwal S, Kim HJ, Lambert D, Lantigua-Cruz PA, Lee JMH, Lodahl M, Lunde Ã…, Macaulay S, Macciocca I, Margarit S, Middleton A, Moldovan R, Ngeow J, Obregon-Tito AJ, Ormond KE, Paneque M, Powell K, Sanghavi K, Scotcher D, Scott J, JuhÃ© CS, Shkedi-Rafid S, Wessels TM, Yoon SY, Wicklund C. The Global State of the Genetic Counseling Profession. Eur J Hum Genet. 2018 Oct 5. doi: 10.1038/s41431-018-0252-x. [Epub ahead of print] Review. PubMed PMID: 30291341.

12. Maloney KA, Alaeddin DS, von Coelln R, Dixon S, Shulman LM, Schrader K, **Guan Y***. Parkinson's Disease: Patients' Knowledge, Attitudes, and Interest in Genetic Counseling. J Genet Couns. 2018 Sep;27(5):1200-1209. doi: 10.1007/s10897-018-0239-3. Epub 2018 Mar 2. PubMed PMID: 29500627.

13. Orlando LA, Sperber NR, Voils C, Nichols M, Myers RA, Wu RR, Rakhra-Burris T, Levy KD, Levy M, Pollin TI, **Guan Y**, Horowitz CR, Ramos M, Kimmel SE, McDonough CW, Madden EB, Damschroder LJ. Developing a common framework for evaluating the implementation of genomic medicine interventions in clinical care: the IGNITE Network's Common Measures Working Group. Genet Med. 2018 Jun;20(6):655-663. doi: 10.1038/gim.2017.144. Epub 2017 Sep 14. PubMed PMID: 28914267; PubMed Central PMCID: PMC5851794.

14. **Guan Y**, Maloney KA, Roter DL, Pollin TI. Evaluation of the Informational Content, Readability and Comprehensibility of Online Health Information on Monogenic Diabetes. J Genet Couns. 2018 Jun;27(3):608-615. doi: 10.1007/s10897-017-0155-y. Epub 2017 Sep 26. PubMed PMID: 28951986; PubMed Central PMCID: PMC5869070.

15. **Guan Y**, Roter DL, Wolff JL, Gitlin LN, Christensen KD, Roberts JS, Green RC, Erby LH. The impact of genetic counselors' use of facilitative strategies on cognitive and emotional processing of genetic risk disclosure for Alzheimer's disease. Patient Educ Couns. 2018 May;101(5):817-823. doi: 10.1016/j.pec.2017.11.019. Epub 2017 Nov 27. PubMed PMID: 29203084; PubMed Central PMCID: PMC5911203.

16. Leppert K, Bisordi K, Nieto J, Maloney K, **Guan Y***, Dixon S, Egense A. Genetic Counselors' Experience with and Opinions on the Management of Newborn Screening Incidental Carrier Findings. J Genet Couns. 2018 Apr 23. doi: 10.1007/s10897-018-0258-0. PubMed PMID: 29687313.

17. **Guan Y**, Roter DL, Erby LH, Wolff JL, Gitlin LN, Roberts JS, Green RC, Christensen KD. Communication Predictors of Patient and Companion Satisfaction with Alzheimer's Genetic Risk Disclosure. J Health Commun. 2018;23(8):807-814. doi: 10.1080/10810730.2018.1528319. PubMed PMID: 30325721.

18. Washington Cole KO, Gudzune KA, Bleich SN, Bennett WL, Cheskin LJ, Henderson JL, Caulfield LE, **Guan Y**, Roter DL. Influence of the 5A's Counseling Strategy on Weight Gain During Pregnancy: An Observational Study. J Womens Health (Larchmt). 2017 Oct;26(10):1123-1130. doi: 10.1089/jwh.2016.6115. Epub 2017 May 19. PubMed PMID: 28525296; PubMed Central PMCID: PMC5651961.

19. Sperber NR, Carpenter JS, Cavallari LH, J Damschroder L, Cooper-DeHoff RM, Denny JC, Ginsburg GS, **Guan Y**, Horowitz CR, Levy KD, Levy MA, Madden EB, Matheny ME, Pollin TI, Pratt VM, Rosenman M, Voils CI, W Weitzel K, Wilke RA, Ryanne Wu R, Orlando LA. Challenges and strategies for implementing genomic services in diverse settings: experiences from the Implementing GeNomics In pracTicE (IGNITE) network. BMC Med Genomics. 2017 May 22;10(1):35. doi: 10.1186/s12920-017-0273-2. PubMed PMID: 28532511; PubMed Central PMCID: PMC5441047.

20. **Guan Y**, Roter DL, Erby LH, Wolff JL, Gitlin LN, Roberts JS, Green RC, Christensen KD. Disclosing genetic risk of Alzheimer's disease to cognitively impaired patients and visit companions: Findings from the REVEAL Study. Patient Educ Couns. 2017 May;100(5):927935. doi: 10.1016/j.pec.2016.12.005. Epub 2016 Dec 14. PubMed PMID: 28012682; PubMed Central PMCID: PMC5400683.

21. Wolff JL, **Guan Y**, Boyd CM, Vick J, Amjad H, Roth DL, Gitlin LN, Roter DL. Examining the context and helpfulness of family companion contributions to older adults' primary care visits. Patient Educ Couns. 2017 Mar;100(3):487-494. doi: 10.1016/j.pec.2016.10.022. Epub 2016 Oct 25. PubMed PMID: 27817986; PubMed Central PMCID: PMC5350029.

22. Roter DL, Erby LH, Rimal RN, Smith KC, Larson S, Bennett IM, Cole KW, **Guan Y**, Molloy M, Bienstock J. Empowering Women's Prenatal Communication: Does Literacy Matter? J Health Commun. 2015;20 Suppl 2:60-8. doi: 10.1080/10810730.2015.1080330. PubMed PMID: 26513032; PubMed Central PMCID: PMC4727827.

23. Borzekowski DL, **Guan Y**, Smith KC, Erby LH, Roter DL. The Angelina effect: immediate reach, grasp, and impact of going public. Genet Med. 2014 Jul;16(7):516-21. doi: 10.1038/gim.2013.181. Epub 2013 Dec 19. PubMed PMID: 24357847.
24. **Guan Y**, Roter DL, Huang A, Erby LA, Chien YH, Hwu WL. Parental discussion of G6PD deficiency and child health: implications for clinical practice. Arch Dis Child. 2014 Mar;99(3):251-5. doi: 10.1136/archdischild-2013-304867. Epub 2013 Nov 29. PubMed PMID: 24291731.

Selected First-Author Presentations

1. Symposium, "Multi-level considerations for implementing precision population-based breast cancer screening in international contexts", The 16th International Congress of Behavioural Medicine, 06/2021
2. Poster, "Initiatives to scale up and expand reach of cancer genomic services outside of specialty clinical settings: A systematic review", 13th Annual Conference on the Science of Dissemination and Implementation, 12/2020
3. Poster, "Population genetic risk screening: will women at low hereditary risk understand and believe their results?", Society of Behavioral Medicine 2019 Annual Meeting, 04/2019
4. Oral Presentation, "Are women at low hereditary risk for breast cancer willing to decrease mammogram frequency?", Society of Behavioral Medicine 2019 Annual Meeting, 04/2019
5. Poster, "The trajectory to diagnosis with monogenic diabetes: a qualitative study", National Society of Genetic Counselors Annual Education Conference, 11/2018
6. Poster, "Online educational information of monogenic diabetes: which websites should genetic counselors recommend?", National Society of Genetic Counselors Annual Education Conference, 09/2016
7. Poster, "Communication predictors of patient and companion satisfaction with Alzheimer's disease genetic risk disclosure sessions", National Society of Genetic Counselors Annual Education Conference, 09/2016
8. Poster, "disclosing genetic risk of alzheimer's disease to cognitively impaired patients and visit companions: findings from the reveal study", The ACMG Annual Clinical Genetics Meeting, 03/2016

Selected Invited Talks

1. Invited speaker, A New View: Improving Public Health through Innovative Social and Behavioral Tools and Approaches, Johns Hopkins Bloomberg School of Public Health, 06/2020
2. Invited speaker, Disclosing Alzheimer's Genomic Risk to Family Accompanied Patients with Mild Cognitive Impairment, Division of General Medicine & Geriatrics, Emory University School of Medicine, 11/2018
3. Invited speaker, Implementation of Personalized Genomic Medicine in Common Diseases, Emory Department of Biostatistics & Bioinformatics, 10/2018
4. Invited speaker, Bridging the Genomic Communication Divide: Meeting Patient Challenges Across the Lifespan, University of Maryland School of Medicine, 08/2015

TEACHING

INSTRUCTOR

Emory University

2019- Principal Instructor, Public Health Genomics (HGC805), School of Medicine, Emory University, 2 credits (12 students)

2019-	Guest Lecturer, Introduction to Genetic and Molecular Epidemiology (EPI 510), Genetic and Molecular Epidemiology Certificate Program, Emory University
2019	Co-instructor, Update on Common Disease Genetics: Diabetes Mellitus. National Society of Genetic Counselors education webinar series.

Other Institutions

2016-2017	Co-instructor, Research Methods for Genetic Counselors (HGEN703), University of Maryland School of Medicine, 1st and 2nd year MGC students, 32 contact hours (8 students per year)
2016-2017	Lecturer, Role of Personal Genomes in Medicine (MEDC540), 1 contact hour (12 students)
2015	Principal Instructor, Introduction to Public Health Genomics, The Johns Hopkins University, 2 semesters, 30 contact hours (19 students)
2013-2014	Co-Instructor, Genetic Counseling Program Thesis Proposal Development, The Johns Hopkins University, 12 contact hours (4 students)
2012-2014	Graduate teaching assistant, Interpersonal Influence in Medical Care, The Johns Hopkins University, 24 contact hours (15-30 students)
2012-2014	Graduate head teaching assistant, Health Literacy: Challenges and Strategies for Effective Communication, The Johns Hopkins University, 30 contact hours (60-80 students)

MENTORSHIP

YEAR	NAME	INSTITUTION	ROLE
2020-	Erin Beasley	Emory University	Thesis committee member
2020-	Isabella Ning	Emory University	APE Supervisor
2020-	Harriet Browne	Emory University	Mentor
2020-	Benjamin Furman	Emory University	Mentor
2020-	Nazanin Gerami Sarabi	Emory University	Mentor
2020-	Claire Fendrick	Emory University	Mentor
2019-	Amanda Wallace, MPH	Emory University	Mentor
2019-	Wangxin Du, MPH	Emory University	Mentor
2019-	Arbre'ya Lewis, MPH	Emory University	Mentor
2019-2020	Taylor Mackenzie, MPH	Emory University	Thesis committee member
2019-2020	Kia Hutchins, MS	Emory University	Thesis committee member
2019-2020	Riana Peskopos, BS	Emory University	Thesis committee member
2018-2020	Jessica Vaughn, MS	Emory University	Thesis committee chair
2016-2018	Yingyue Li, ScM	Johns Hopkins University	Thesis committee member
2017-2018	Julie Solimine, MGC	University of Maryland	Thesis committee chair

2016-2017	Dina Alaeddin, MGC	University of Maryland	Thesis committee member

SERVICE

INSTITUTIONAL LEVEL SERVICE

Emory University

2021-	Member, Mentorship EDI Workgroup, Department of Behavioral, Social, and Health Education Sciences, Rollins School of Public Health, Emory University
2021-	Member, The Research Advisory Committee, Rollins School of Public Health, Emory University
2019-	Co-Chair, BSHES Mix, Department of Behavioral, Social, and Health Education Sciences, Rollins School of Public Health, Emory University
2019-	Member, Cancer Prevention and Control Program, Emory Winship Cancer Institute
2019	Facilitator, Interprofessional Team Training Day, Emory University
2018-2019	Faculty advisor, The Hubert H. Humphrey Fellowship Program, Rollins School of Public Health, Emory University

Other Institutions

2016-2017	Member, Graduate admissions committee of The University of Maryland Genetic Counseling Program
2014-2016	Program leader, Outreach and Translational Communication Initiatives, The Johns Hopkins Center for Genetic Literacy and Communication
2013-2016	Member, Graduate admissions committee of The Johns Hopkins University/National Institutes of Health Genetic Counseling Training Program

NATIONAL AND INTERNATIONAL LEVEL SERVICE

Editorial Board Service

- Special Issue Guest Editor, Genomic Applications to Promote Public Health in the Context of Health Disparities, International Journal of Environmental Research and Public Health

Reviewer for Peer-Reviewed Journals

- Public Health Genomics, Journal of Genetic Counseling, Genetics in Medicine, Supportive Care in Cancer, Patient Education and Counseling, Journal of Health Psychology, PLOS ONE

Grant & Abstract Reviewer

2021-2026	Member, Jane Engelberg Memorial Fellowship Advisory Group, National Society of Genetic Counselors
2019-2020	Abstract reviewer, Society of Behavioral Medicine Annual Meeting
2017-2021	Member, Grant Review Committee, American Board of Genetic Counselors
2016-2019	Member, Abstract Workgroup, National Society of Genetic Counselors

Leadership Service to National Professional Societies

2019-	Board of Directors, The Association of Chinese Geneticists in America
2018-2020	Group Co-lead, NSGC Practice Guideline Review Group for Monogenic Diabetes and Genetic Counseling
2016-2020	Co-Chair, International SIG, National Society of Genetic Counselors

Other Service to National Professional Societies and Organizations

2017-	Member, Research Committee, American Board of Genetic Counselors
2018-	Member, Practice Guideline Committee, National Society of Genetic Counselors
2020-	Member, The Accreditation Council for Genetic Counseling Finance Committee
2018-2020	Member, ClinGen Monogenic Diabetes Variant Curation Expert Panel
2017-2018	Member, NHLBI Trans-Omics for Precision Medicine Whole Genome Sequencing Program (TOPMed) ELSI Committee

RESEARCH AREAS OF INTEREST

- Implementation and dissemination research to promote the adoption of evidence-based genomic applications in public health.
- Communication research to develop and evaluate effective communications of genomic information.
- Community engagement research to expand the reach of genomic screening programs to underserved minority populations.