

JAMES W. GUO

Curriculum Vitae

Contact: 330 Brookline Ave.
Boston, MA 02115
Email: jguo10@bidmc.harvard.edu
Phone: (585) 705-8602

EDUCATION:

Date Degree Awarded	Institution	Degree	Discipline(s)
05-2025	Northwestern University Feinberg School of Medicine Chicago, IL	M.D.	Medicine
06-2018	Northwestern University Evanston, IL	B.A.	Sociology, Honors Program in Medical Education (HPME)
2017	University of Oxford Oxford, United Kingdom	Visiting Scholar	Human Sciences, Epidemiology

TRAINING:

CLINICAL TRAINING

Dates	Institution	Specialty
06-2025–Present	Department of Medicine, Beth Israel Deaconess Medical Center, Boston, MA	Internal Medicine

RESEARCH TRAINING

Dates	Institution	Title	Field(s) of Research
2020–2025	Division of Cardiology, Department of Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL	Research Fellow	Clinical cardiology, artificial intelligence, cardiac imaging
2017–2025	Department of Preventive Medicine, Feinberg School of Medicine	Research Fellow	Cardiovascular epidemiology, epigenetics, CRISPR
2016	Department of Physiology, Feinberg School of Medicine	Research Intern	Computational neuroscience
2013–2015	Department of Pathology, University of Rochester Medical Center Rochester, NY	Research Intern	Surgical pathology

ACADEMIC APPOINTMENTS:

Dates	Title	Institution	Department
06-2025–Present	Clinical Fellow	Harvard Medical School, Boston, MA	Medicine

HONORS AND AWARDS:

Date	Name of Award
2025	<i>Cum Laude in Scientia Experimentalis</i> , Doctorate of Medicine, Northwestern University Feinberg School of Medicine
2025	Dr. David Grganto Scholarship, Northwestern University Feinberg School of Medicine Awarded to one outstanding senior medical student pursuing a residency in internal medicine.
2024	Alpha Omega Alpha, Northwestern University Feinberg School of Medicine
2024	Gold Humanism Honor Society, Northwestern University Feinberg School of Medicine
2024	Presenter during the William B. Kannel Memorial Lectureship And Oral Abstract Presentations: Preventive Cardiology, American Heart Association Council for Epidemiology and Prevention. Selected for featured presentation at 2024 AHA Epidemiology/Lifestyle Scientific Sessions.
2024	American Heart Association Research Travel Grant (Get With The Guidelines)
2023–2024	RISE Fellowship, Northwestern University Feinberg School of Medicine
2023	American Heart Association Student Scholarship in Cardiovascular Disease
2021–2025	Chief, Education-Centered Medical Home (continuity clinic), Northwestern University Feinberg School of Medicine
2018	Commencement Speaker, Class of 2018, Northwestern University
2018	Distinction in Sociology (Medical), Northwestern University
2017	First Class Distinction, University of Oxford
2017	Harry W. Linde Honors Program Research Fellowship, Northwestern University Feinberg School of Medicine
2015–2018	Honors Program in Medical Education (HPME), accelerated undergraduate (3 years) and guaranteed matriculation at the Feinberg School of Medicine, Northwestern University and Feinberg School of Medicine

GRANT AND FUNDING AWARDS:

Date	Grant/Funding Award
2024	American Heart Association Travel Grant PI: Guo \$2,500 Attend Get With The Guidelines data bootcamp February 6, 2024 in Phoenix, AZ. Finalist for \$100,000 AHA grant, entitled: <i>“Machine Learning to Enhance Identification of Heart Failure Readmissions and Assess Outcomes”</i>
2023–2024	Research Intensive Scholarly Emphasis (RISE) Fellowship, Northwestern University Feinberg School of Medicine Awardee: Guo \$35,000 Predoctoral-level NIH funding for one year of research in cardiovascular epidemiology, mentored by Dr. Donald M Lloyd-Jones
2023–2024	American Heart Association Student Scholarship in Cardiovascular Disease Awardee: Guo \$2,000
2021	Area of Scholarly Concentration (AOSC) Summer Research Scholars Program Award, Northwestern University Feinberg School of Medicine Awardee: Guo \$2,000
2017	Weinberg Research Travel Grant, Northwestern University Awardee: Guo \$1,000
2017	Harry W. Linde Honors Program Research Fellowship, Northwestern University Feinberg School of Medicine Awardee: Guo \$3,000
2016	Area of Scholarly Concentration (AOSC) Summer Research Grant, Northwestern University Feinberg School of Medicine Awardee: Guo \$2,000
2015–2018	National Merit Scholarship, Northwestern University Awardee: Guo \$2,000

PROFESSIONAL MEMBERSHIPS

2025–Present Member, NHLBI Trans-Omics for Precision Medicine (TOPMed)

2024–Present Member, Alpha Omega Alpha (AOA) Honor Medical Society

2024–Present Member, Gold Humanism Honor Society (GHHS)

2021–Present Member, American College of Cardiology

2021–Present Member, American Heart Association

2020–Present Member, American Medical Association

EDITORIAL RESPONSIBILITIES

Date	Title, Journal
2025–Present	Ad hoc reviewer, <i>Obesity</i>
2023–Present	Ad hoc reviewer, <i>Journal of the American Heart Association (JAHA)</i>
2015–2018	Editor-in-Chief, <i>The Medical Decoder</i>

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

1. Guo A, Zheng Y, Myhrvold C, Lloyd-Jones DM, **Guo JW***. Identification of Epigenomic and Transcriptomic Markers of Coronary Artery Calcium: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *Circulation*. 2026;153(Suppl_1):ATU182. doi:10.1161/cir.153.suppl_1.TU182. ***Senior authorship.**
2. Vaishnavi Krishnan, Hongyan Ning, **Guo JW**, Brenton Prescott, Vanessa Xanthakis, Lloyd-Jones DM. Cumulative cardiovascular health over two decades and subclinical target organ damage in the Framingham Heart Study. *Circulation*. 2026;153(Suppl_1):ATU238. doi:10.1161/cir.153.suppl_1.TU238.
3. **Guo JW**, Ning H, Allen NB, Perak AM, Walker JM, Pettee Gabriel K, Lloyd-Jones DM. Cardiovascular Health Changes in Young Adults and Risk of Later-Life Cardiovascular Disease. *JAMA Netw Open*. 2025 Oct 1;8(10):e2535573. doi: 10.1001/jamanetworkopen.2025.35573.
 - Covered by [Yahoo](#), [US News & World Report](#), [The Harvard Gazette](#), among other outlets.
4. Aguayo L, Cotoc C, **Guo JW**, Labarthe DR, Allen NB, Marino BS, Davis MM, Uttal S, Lloyd-Jones DM, Perak AM. Cardiovascular Health, 2010 to 2020: A Systematic Review of a Decade of Research on Life's Simple 7. *J Am Heart Assoc*. 2025 Aug 5;14(15):e038566. doi: 10.1161/JAHA.124.038566.
 - Covered by [The New York Times](#), [CNN](#), [MedScape](#), among other outlets.
5. Walker J, Won D, **Guo J**, Rana JS, Allen NB, Ning H, Lloyd-Jones DM. Cumulative Life's Essential 8 Scores and Cardiovascular Disease Risk. *JAMA Cardiol*. 2025 Apr 23:e250630. doi: 10.1001/jamacardio.2025.0630.
6. **Guo JW**, Ning H, Lloyd-Jones DM. Cardiovascular Health Status in US Adults With Chronic Diseases: National Health and Nutrition Examination Survey (NHANES), 2013-2018. *J Am Heart Assoc*. 2025 Jan 7;14(1):e034388. doi: 10.1161/JAHA.124.034388.
7. **Guo JW**, Ning H, Allen NB, Reges O, Gabriel KP, Lloyd-Jones DM. Association of Cardiovascular Health in Young Adulthood with Long-Term Blood Pressure Trajectories. *Am J Hypertens*. 2024;hpae047. doi:10.1093/ajh/hpae047.2024.04.
8. **Guo JW**, Ning H, Khan SS, Wilkins JT, Lloyd-Jones DM. Development and Validation of Long-Term Risk Models for Prediction of Atherosclerotic Cardiovascular Disease (ASCVD): The Cardiovascular Lifetime Risk Pooling Project (LRPP). *J Am Coll Cardiol (JACC)*, 83(13_Supplement). [https://doi.org/10.1016/S0735-1097\(24\)03662-3](https://doi.org/10.1016/S0735-1097(24)03662-3)

9. Won D, Walker J, Workman C, **Guo JW**, Zordani E, Chorniy A, Malaisrie SC, Lloyd-Jones DM. Heartfelt Savings: Health Savings Accounts Assist in Alleviating Financial Burdens and Prompt Timely Treatment for Patients With Cardiovascular Disease. *Circulation*. 2024; 149(Suppl_1):P225-P225. doi:10.1161/circ.149.suppl_1.P225.
10. Bavishi A, Witting C, **Guo JW**, et al. Predictive Value of Relative Apical Sparing of Longitudinal Strain on Echocardiography for Cardiac Amyloidosis. *Am J Cardiol*. 2023;200:66-71. doi:10.1016/j.amjcard.2023.04.048
11. Canning C, **Guo JW**, Narang A, Thomas JD, Ahmad FS. The Emerging Role of Artificial Intelligence in Valvular Heart Disease. *Heart Fail Clin*. 2023;19(3):391-405. doi:10.1016/j.hfc.2023.03.001
12. Huber AR, Buscaglia B, Koltz BR, Henry J, McMahon L, **Guo JW**, et al. Impact of Specimen Type and Specimen Number on HER2 Status in Gastroesophageal Junction and Gastric Adenocarcinoma. *Am J Clin Pathol*. 2019;151(5):461-468. doi:10.1093/ajcp/aqy166

IN SUBMISSION/REVISION

1. **Guo JW**, Ning H, Khan SS, Tian L, Wilkins J, Lloyd-Jones DM. Development and Validation of Long-Term Risk Models for Prediction of Atherosclerotic Cardiovascular Disease: The Cardiovascular Lifetime Risk Pooling Project. *JAMA*. In submission.
2. **Guo JW**, Yang X, Krefman A, Petito L, Kiefe C, Wei G, Person S, Sidney S, Goff D, Allen N. "The Impact of Healthcare Access on Racial Disparities in Cardiovascular Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study." *Am J Cardiology*. In revision.

PRESENTATIONS

ORAL PRESENTATIONS AND INVITED TALKS

1. **Guo JW**, Ning H, Allen NB, Perak AM, Walker JM, Gabriel KP, Lloyd-Jones DM. Association of Cardiovascular Health Trajectories Through Young Adulthood With Later-Life Incident Cardiovascular Disease and Mortality: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. **Invited presentation at NIH/NHLBI CARDIA Steering Committee Meeting**. April 17, 2024, Bethesda, MD. (delivered online)
2. **Guo JW**, Ning H, Khan SS, Wilkins JT, Lloyd-Jones DM. Development and Validation of Long-Term Risk Models for Prediction of Atherosclerotic Cardiovascular Disease (ASCVD): The Cardiovascular Lifetime Risk Pooling Project (LRPP). **Podium oral presentation at 2024 American College of Cardiology (ACC) Scientific Sessions**. April 6, 2024, Atlanta, GA.
 - a. Accepted as Top 5 abstract in the Prevention and Health Promotion pathway
3. **Guo JW**, Ning H, Allen NB, Perak AM, Walker JM, Gabriel KP, Lloyd-Jones DM. Association of Cardiovascular Health Trajectories Through Young Adulthood With Later-Life Incident Cardiovascular Disease and Mortality: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. **Podium oral presentation at 2024 AHA Epidemiology/Lifestyle Scientific Sessions Conference**. March 21, 2024, Chicago, IL.
 - a. Presenter during the "William B Kannel, MD Memorial Lectureship in Preventive Cardiology and Oral Abstract Presentations: Preventive Cardiology"

POSTER PRESENTATIONS

1. **Guo JW**, Ning H, Liu K, Wilkins JT, Bhaat A, Lloyd-Jones DM. Cumulative Cardiovascular Health in Young Adulthood and Systemic Target Organ Damage: The Coronary Artery Risk Development In Young Adults (CARDIA) Study. *American Heart Association (AHA) 2024 Scientific Sessions*. November 16-18, 2024. Chicago, IL.
 - a. Moderated oral poster presentation at AHA Scientific Sessions 2024
2. **Guo JW**, Ning H, Lloyd-Jones DM. Comparisons of Cardiovascular Health in US Adults by Chronic Disease Status: National Health and Nutrition Examination Survey (NHANES), 2013-2018. *American Heart Association (AHA) 2024 Epidemiology/Lifestyle Scientific Sessions*. March 18-21, 2024. Chicago, IL.
3. Walker J, Won D, **Guo JW**, Rana JS, Allen NB, Ning H, Lloyd-Jones DM. Abstract 51: Association Between Cumulative “Life’s Essential 8” Scores Through Young Adulthood and Cardiovascular Disease Risk: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *American Heart Association (AHA) 2024 Epidemiology/Lifestyle Scientific Sessions*. March 18-21, 2024. Chicago, IL.
 - a. Presented as podium oral presentation by first author.
4. Won D, Walker J, Workman C, **Guo JW**, Zordani E, Chorniy A, Malaisrie SC, Lloyd-Jones DM. Heartfelt Savings: Health Savings Accounts Assist in Alleviating Financial Burdens and Prompt Timely Treatment for Patients With Cardiovascular Disease. *American Heart Association (AHA) 2024 Epidemiology/Lifestyle Scientific Sessions*. March 18-21, 2024. Chicago, IL.
5. Cetlin M, Kannam A, Bisen JB, Bajaj A, Khazanchi R, Fine KS, Huang BB, Tomar G, **Guo JW**, Lloyd-Jones DM. Cardiovascular Disease Lifestyle Counseling Topics of Interest at Chicago Health Fair Screenings. *2022 Institute for Public Health and Population Health Forum*. December 8, 2022. Chicago, IL.
6. Anitesh B, Bisen J, Khazanchi R, Kannam A, Huang BB, Cetlin M, Fine KS, Tomar G, **Guo JW**, Lloyd-Jones, DM. Understanding the Impact of Healthcare Status and Age on Blood Pressure Readings: A Chicago-Centered Community Approach. *2022 Institute for Public Health and Population Health Forum*. December 8, 2022. Chicago, IL.
7. **Guo JW**, Ning H, Allen N, Liu K, Reges O, Lloyd-Jones DM. Associations of Cardiovascular Health in Young Adulthood with Long-Term Blood Pressure Trajectories: Coronary Artery Risk Development in Young Adults (CARDIA) Study. *American Heart Association (AHA) Scientific Sessions 2021*. November 13-15, 2021, Boston, MA (moved to virtual).
 - a. Moderated oral poster presentation at AHA Scientific Sessions 2021
8. **Guo JW**, Witting C, Bavishi A, Jankowski M, Maganti K. Predictive Value of Apical Sparing on Echocardiography for Cardiac Amyloidosis. *American Heart Association (AHA) Scientific Sessions 2021*. November 13-15, 2021, Boston, MA (virtual).
 - a. “Top 50” Abstract in Cardiac Imaging at 2021 AHA Scientific Sessions

PROFESSIONAL AND EXTRACURRICULAR ACTIVITIES:

INSTITUTIONAL SERVICE (Committees, Working Groups, Advisory Panels)

Date	Title, Name of Committee
2023–2024	M4 Admissions Interviewer, Office of Admissions, Feinberg School of Medicine
2021–2023	Advisor and Member, Institute for Innovations in Developmental Sciences (DevSci) Working Group, Northwestern University
2021–2022	Member, Advisory Panel for student research curriculum (Area of Scholarly Concentration [AOSC]), Feinberg School of Medicine
2021–2022	Member, Curriculum Steering Committee for development of student professionalism curriculum (Personal Transition to the Profession [PTTP]), Feinberg School of Medicine
2020–2022	Member, Curriculum Review Panel for Professional Development (PD) curricular thread, Feinberg School of Medicine
2018	Member, Faculty Search Committee, Department of Sociology, Northwestern University
2017–Present	Executive Member (Mentoring Committee), Medical Student Representative, and inaugural HPME Undergraduate Representative (2017–18); Medical Alumni Association Board (MAAB), Feinberg School of Medicine
2016	Member, Steering Committee for Burroughs-Wellcome Fund grant entitled: “Training a biomedical physician workforce to develop tomorrow’s cures for today’s diseases.” Student representative to help develop education guidelines and pipeline for physician-scientist training pathways at Northwestern University Feinberg School of Medicine.

CLINICAL AND TEACHING SERVICE

Date	Title, Name of Clinic or Teaching Activity
2023–2025	M4 Mentor, Internal Medicine Clerkship, Department of Internal Medicine, Feinberg School of Medicine Selected to closely mentor and advise small groups of M3 students throughout their IM clerkship
2021–2025	Chief of Clinic, Education-Centered Medical Home (ECMH) student continuity clinic, Department of Internal Medicine, Feinberg School of Medicine Teaching duties and administrative/clinical duties in all years, especially as senior chief in M3-M4 years. Annually responsible to instruct new M1 students and introduce them to the clinical setting.

VOLUNTEER SERVICE AND EXTRACURRICULAR LEADERSHIP

Date	Title, Name of Activity
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- 2026–Present Leadership Member; American College of Cardiology (ACC) Medical Resident Community Group Leadership Team
 Selected in competitive application process for a national leadership position within the ACC to contribute to resident engagement, mentorship, educational programming, and professional development initiatives. Spearheading ACC resident initiatives within cardiovascular research, epidemiology, prevention, in addition to social media (SoMe) engagement.
- 2026–Present Responsible Brother, Youth Mentor, and Sunday School Teacher; Church in Boston
 In training for eldership in the church. Meetings and church service ~10-15 hrs/wk for all years. Frequently deliver sermons to the church. Regularly teach Sunday School for middle-/high-school age students. Closely mentor multiple high school students.
- 2024–Present Director, Founder; North America Luke Service Conference
 Started and direct an annual conference for Christians who work in and tangential to medicine and health care. Oversee all aspects of registration, logistics, conference content, speaker selection, and finances. Coordinate partnerships with host institutions, with prior including the University of Houston Christian Medical and Dental Association (CMDA) and various churches nationally. Annually attended by >300 participants.
- 2020–2025 Responsible Brother, Youth Mentor, and Sunday School Teacher; Church in Chicago
 In training for eldership in the church. Meetings and church service ~10-15 hrs/wk for all years. Frequently deliver sermons to the church and at multiple regional youth Christian conferences (>300 attendees) each year. Regularly teach Sunday School for elementary-age children. Closely mentor multiple high school students.
- 2023 Medical Volunteer, Chicago Marathon ICU Tent
 Triageed, assessed, and managed severe presentations at the main medical tent for the 2023 Chicago Marathon. Intending to volunteer again in 2024.
- 2021–2025 Chair (2021–23), Volunteer (2023–present); Keep Your Heart Healthy (KYHH), Feinberg School of Medicine
 Student-run preventive cardiology clinic/community-based program. Medical students and attending physicians provide free cardiovascular disease risk assessment for low-income Chicagoans in under-resourced communities.
- 2020–2021 Executive Board Member, GetMePPE Chicago
 Non-profit organization founded by Chicagoland medical students at outset of COVID-19 pandemic that effectively sourced and equitably donated >400k pieces of PPE to health care facilities (hospitals, nursing homes, etc.) in need across Chicago/United States.
- 2018–2020 Campus Minister, Full-Time Training in Anaheim (Anaheim, CA)
 - Attended a 2-year, post-graduate Biblical truth and church service program to grow in faith and in service to humanity. Cared for people through daily gospel work, engaged in community-based church service, and cultivated proper character through regimented/austere program regulations.
 - Led Christian club and mentored students at Cerritos Community College

(Cerritos, CA) to acclimate to college environment, overcome adverse circumstances, connect with campus organizations and local community, and nurture Christian faith.

2015–2018

Executive Board Member, Contemporary Thought Speaker Series,
Northwestern University

Managed and oversaw annual budget of >\$100k from the Office of the President to invite luminaries and prominent figures for large campus-wide lectures/talks and conversations of intellectual heft.

Directed multiple events that brought Ta-Nehisi Coates (author), Samantha Powers (former UN ambassador), Sal Khan (Khan Academy), Daryl Morey (NBA executive), Spike Lee (film director), Cody Keenan (speechwriter for President Obama), and more.