

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

MICHAEL J. BLAHA, M.D., M.P.H

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University

2013-2017 Assistant Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2013-present Faculty Appointment, Department of Epidemiology, Johns Hopkins Bloomberg SPH
2013-present Director of Clinical Research, Johns Hopkins Ciccarone Center for the Prevention of Heart Disease
2017-2019 Associate Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2019-present Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2019-present Adjunct Appointment, Welch Center, Johns Hopkins University SOM

Hospital

2013-present Attending Physician, Johns Hopkins Hospital

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Education and Training

Undergraduate

1997-2001 B.S., Preprofessional Studies. University of Notre Dame; Valedictorian Nominee
1999 Biosphere 2 Program. Columbia University; Most Outstanding Research Award

Doctoral/Graduate

2001-2006 M.D. Vanderbilt University; AOA president; Oscar Crawford Award, Rudolph Kampmeier Prize
2004-2006 M.P.H. Vanderbilt University

Postdoctoral

2006-2009 Resident, Osler Medical House Staff Training Program, Johns Hopkins Hospital
2009-2012 Fellowship, Cardiology, Johns Hopkins Hospital

Professional Experience

2013-2017 Assistant Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2013-present Faculty Appointment, Department of Epidemiology, Johns Hopkins Bloomberg SPH
2013-present Director of Clinical Research, Johns Hopkins Ciccarone Center for the Prevention of Heart Disease
2017-2019 Associate Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2019-present Professor, Cardiology, Department of Medicine, Johns Hopkins University SOM
2019-present Adjunct Appointment, Welch Center, Johns Hopkins University SOM

PUBLICATIONS

** Google Scholar Public Profile: <http://scholar.google.com/citations?user=-y4L66AAAAAJ>

** ResearchGate Public Profile: https://www.researchgate.net/profile/Michael_Blahaj

** Complete list of Published Work in PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=blaha+mj>

Original Research

1. Brissova M, **Blaha M**, Spear C, Nicholson W, Radhika A, Shiota M, Charron MJ, Wright CV, Powers AC. Reduced PDX-1 Expression Impairs Islet Response to Insulin Resistance and Worsens Glucose Homeostasis. *Am J Physiol Endocrinol Metabolism*. 2005; 288(4): E707-14.
2. **Blaha M**, Kusz K, Drake W, Elasy T. Hypertension Prevalence, Awareness, Treatment, and Control in North Nashville. *Tennessee Medicine*. 2006; 99(4): 35-37.
3. **Blaha MJ**, Elasy TA. Adherence to Insulin and the Risk of Glucose Deterioration. *Diabetes Care*. 2006; 29(8):1982-3.
4. **Blaha MJ**, Gebretsadik T, Shintani A, Elasy TA. Waist circumference, not the metabolic syndrome, predicts glucose deterioration in type 2 diabetes. *Obesity*. 2008;16(4):869-74.
5. Orakzai SH, Nasir K, **Blaha M**, Blumenthal RS, Raggi P. Non-HDL cholesterol is strongly associated with coronary artery calcification in asymptomatic individuals. *Atherosclerosis*. 2009;202(1):289-95.
6. **Blaha M**, Budoff MJ, Shaw LJ, Khosa F, Rumberger JA, Berman D, Callister T, Raggi P, Blumenthal RS, Nasir K. Absence of coronary artery calcification and all-cause mortality. *JACC Cardiovasc Imaging*. 2009;2(6):692-700.
7. **Blaha MJ**, Budoff MJ, Rivera JJ, Katz R, O'Leary DH, Polak JF, Takasu J, Blumenthal RS, Nasir K. Relationship of carotid distensibility and thoracic aorta calcification: multi-ethnic study of atherosclerosis. *Hypertension*. 2009;54(6):1408-15.
8. **Blaha MJ**, Nasir K, Rivera JJ, Choi EK, Chang SA, Yoon YE, Chun EJ, Choi SI, Agatston A, Blumenthal RS, Chang HJ. Gender differences in coronary plaque composition by coronary computed tomography angiography. *Coron Artery Dis*. 2009;20(8):506-12.
9. **Blaha MJ**, Budoff MJ, Rivera JJ, Santos RD, Shaw LJ, Raggi P, Berman D, Rumberger JA, Blumenthal RS, Nasir K. Relation of Aortic Valve Calcium Detected by Cardiac Computed Tomography to All-Cause Mortality. *Am J Cardiol*. 2010;106:1787-91.
10. **Blaha MJ**, DeFilippis AP, Rivera JJ, Budoff MJ, Blankstein R, Agatston A, Szklo M, Lakoski SG, Bertoni AG, Kronmal RA, Blumenthal RS, Nasir K. The relationship between insulin resistance and incidence and progression of coronary artery calcification: the Multi-Ethnic Study of Atherosclerosis (MESA). *Diabetes Care*. 2011;34:749-51.
11. **Blaha MJ**, Blumenthal RS, Budoff MJ, Nasir K. Understanding the utility of zero coronary calcium as a prognostic test: a Bayesian approach. *Circ Cardiovasc Qual Outcomes*. 2011;4:253-6.
12. Rubin J, Chang HJ, Nasir K, Blumenthal RS, **Blaha MJ**, Choi EK, Chang SA, Yoon YE, Chun EJ, Choi SI, Agatston AS, Rivera JJ. Association between high-sensitivity C-reactive protein and coronary plaque subtypes assessed by 64-slice coronary computed tomography angiography in an asymptomatic population. *Circ Cardiovasc Imaging*. 2011;4:201-9.
13. **Blaha MJ**, Rivera JJ, Budoff MJ, Blankstein R, Agatston A, O'Leary DH, Cushman M, Lakoski S, Criqui MH, Szklo M, Blumenthal RS, Nasir K. Association between obesity, high-sensitivity C-reactive protein ≥ 2 mg/L, and subclinical atherosclerosis: implications of JUPITER from the Multi-Ethnic Study of Atherosclerosis. *Arterioscler Thromb Vasc Biol*. 2011;31:1430-8.
14. McEvoy JW, **Blaha MJ**, Nasir K, Yoon YE, Choi EK, Cho IS, Chun EJ, Choi SI, Rivera JJ, Blumenthal RS, Chang HJ. Impact of coronary computed tomographic angiography results on patient and physician behavior in a low-risk population. *Arch Intern Med*. 2011;171:1260-8.
15. Tison GH, **Blaha MJ**, Budoff MJ, Katz R, Rivera JJ, Bertoni AG, Wong ND, Blumenthal RS, Szklo M, Eng J, Tracy R, Nasir K. The relationship of insulin resistance and extracoronary calcification in the multi-ethnic study of atherosclerosis. *Atherosclerosis*. 2011;218:507-10.
16. **Blaha MJ**, Budoff MJ, DeFilippis AP, Blankstein R, Rivera JJ, Agatston A, O'Leary DH, Lima J, Blumenthal RS, Nasir K. Associations between C-reactive protein, coronary artery calcium, and cardiovascular events: implications for the JUPITER population from MESA, a population-based cohort study. *Lancet*. 2011;378:684-92.
17. DeFilippis AP, **Blaha MJ**, Ndumele CE, Budoff MJ, Lloyd-Jones DM, McClelland RL, Lakoski SG, Cushman M, Wong ND, Blumenthal RS, Lima J, Nasir K. The association of Framingham and Reynolds risk scores with incidence and progression of coronary artery calcification in MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2011;58(20):2076-83.

18. Lee YL, **Blaha MJ**, Jones SR. Statin therapy in the prevention and treatment of atrial fibrillation. *J Clin Lipidol*. 2011;5(1):18-29.
19. Tota-Maharaj R, **Blaha MJ**, Rivera JJ, Henry TS, Choi EK, Chang SA, Yoon YE, Chun EJ, Choi SI, Blumenthal RS, Chang HJ, Nasir K. Differences in coronary plaque composition with aging measured by coronary computed tomography angiography. *Int J Cardiol*. 2012;158:240-5.
20. Rubin J, **Blaha MJ**, Budoff MJ, Rivera JJ, Shaw LJ, Blankstein R, Mallah MA, Carr JJ, Jones DL, Blumenthal RS, Nasir K. The relationship between resting heart rate and incidence and progression of coronary artery calcification: The multi-ethnic study of atherosclerosis (MESA). *Atherosclerosis*. 2012;220:194-200.
21. Silverman MG, **Blaha MJ**, Budoff MJ, Rivera JJ, Raggi P, Shaw LJ, Berman D, Callister T, Rumberger JA, Rana JS, Blumenthal RS, Nasir K. Potential Implications of Coronary Artery Calcium Testing for Guiding Aspirin Use Among Asymptomatic Individuals With Diabetes Mellitus. *Diabetes Care*. 2012;35:624-6.
22. Nasir K, Rubin J, **Blaha MJ**, Shaw LJ, Blankstein R, Rivera JJ, Khan AN, Berman D, Raggi P, Callister T, Rumberger JA, Min J, Jones SR, Blumenthal RS, Budoff MJ. Interplay of coronary artery calcification and traditional risk factors for the prediction of all-cause mortality in asymptomatic individuals. *Circ Cardiovasc Imaging*. 2012;5:467-73.
23. Whelton SP, Nasir K, **Blaha MJ**, Gransar H, Metkus TS, Coresh J, Berman DS, Blumenthal RS. Coronary artery calcium and primary prevention risk assessment: what is the evidence?: an updated meta-analysis on patient and physician behavior. *Circ Cardiovasc Qual Outcomes*. 2012;5:601-7.
24. Qureshi W, **Blaha MJ**, Nasir K, Al-Mallah MH. Gender differences in coronary plaque composition and burden detected in symptomatic patients referred for coronary computed tomographic angiography. *Int J Cardiovasc Imaging*. 2013;29:463-9.
25. Tota-Maharaj R, **Blaha MJ**, McEvoy JW, Blumenthal RS, Muse ED, Budoff MJ, Shaw LJ, Berman DS, Rana JS, Rumberger J, Callister T, Rivera J, Agatston A, Nasir K. Coronary artery calcium for the prediction of mortality in young adults <45 years old and elderly adults >75 years old. *Eur Heart J*. 2012;33:2955-62.
26. Keenan T, **Blaha MJ**, Nasir K, Silverman MG, Tota-Maharaj R, Carvalho JA, Conceição RD, Blumenthal RS, Santos RD. Relation of Uric Acid to Serum Levels of High-Sensitivity C-Reactive Protein, Triglycerides, and High-Density Lipoprotein Cholesterol and to Hepatic Steatosis. *Am J Cardiol*. 2012;110:1787-92.
27. McEvoy JW, **Blaha MJ**, Rivera JJ, Budoff MJ, Khan AN, Shaw LJ, Berman DS, Raggi P, Min JK, Rumberger JA, Callister TQ, Blumenthal RS, Nasir K. Mortality rates in smokers and nonsmokers in the presence or absence of coronary artery calcification. *JACC Cardiovasc Imaging*. 2012;5:1037-45.
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29. Vranian MN, Keenan T, **Blaha MJ**, Silverman MG, Michos ED, Minder CM, Blumenthal RS, Nasir K, Meneghelo RS, Santos RD. Impact of Fitness Versus Obesity on Routinely Measured Cardiometabolic Risk in Young, Healthy Adults. *Am J Cardiol*. 2013;111:991-5.
30. DeFilippis AP, **Blaha MJ**, Martin SS, Reed RM, Jones SR, Nasir K, Blumenthal RS, Budoff MJ. Nonalcoholic fatty liver disease and serum lipoproteins: the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2013;227:429-36.
31. Martin SS, **Blaha MJ**, Elshazly MB, Brinton EA, Toth PP, McEvoy JW, Joshi PH, Kulkarni KR, Mize PD, Kwiterovich PO, Defilippis AP, Blumenthal RS, Jones SR. Friedewald Estimated versus Directly Measured Low-Density Lipoprotein Cholesterol and Treatment Implications. *J Am Coll Cardiol*. 2013;62:732-9.
32. Ahmed HM, **Blaha MJ**, Nasir K, Jones SR, Rivera JJ, Agatston A, Blankstein R, Wong ND, Lakoski S, Budoff MJ, Burke GL, Sibley CT, Ouyang P, Blumenthal RS. Low-Risk Lifestyle, Coronary Calcium, Cardiovascular Events, and Mortality: Results From MESA. *Am J Epidemiol*. 2013;178:12-21.
33. Tam LM, Kim J, Blumenthal RS, Nasir K, Al-Mallah MH, **Blaha MJ**. Absolute Coronary Artery Calcium Score is the Best Predictor of Non-Calcified Plaque Involvement in Patients with Low Calcium Scores (1-100). *Atherosclerosis*. 2013;230:76-9.
34. Whelton SP, Lima JA, Blankstein R, Al-Mallah H, Bluemke DA, Hundley WG, O'Leary D, Polak JF, Blumenthal RS, Nasir K, **Blaha MJ**. Association of resting heart rate with carotid and aortic arterial distensibility: Multi-Ethnic Study of Atherosclerosis (MESA). *Hypertension*. 2013;62:477-84.

35. Ahmed HM, Elshazly MB, Martin SS, **Blaha MJ**, Kulkarni KR, Jones SR. Ratio of Dense to Buoyant LDL Subclass is Associated with LDL Density Phenotype (VLDL-5). *The Open Chemical and Biomedical Methods Journal*. 2013;6:1-5.
36. Makadia SS, **Blaha MJ**, Keenan T, Ndumele C, Jones SR, Defilippis A, Martin SS, Kohli P, Conceicao RD, Carvalho JA, Nasir K, Blumenthal RS, Santos R. Hepatic Steatosis is Associated with Atherogenic Dyslipidemia Independent of Obesity, Metabolic Syndrome, Systemic Inflammation, and Physical Activity. *American Journal of Cardiology*. 2013;112:1599-604.
37. Elshazly MB, Martin SS, **Blaha MJ**, Joshi PH, Toth PP, McEvoy JW, Al-Hijji MA, Kulkarni KR, Kwiterovich PO, Blumenthal RS, Jones SR. Non-HDL Cholesterol, Guideline Targets, and Population Percentiles for Secondary Prevention in a Clinical Sample of 1.3 Million Adults The Very Large Database of Lipids (VLDL-2 Study). *J Am Coll Cardiol*. 2013;62:1960-5.
38. Martin SS, **Blaha MJ**, Elshazly MB, Toth PP, Kwiterovich PO, Blumenthal RS, Jones SR. Comparison of a novel method vs the Friedewald equation for estimating low-density lipoprotein cholesterol levels from the standard lipid profile. *JAMA*. 2013;310(19):2061-8.
39. Swiger KJ, Manalac RJ, Blumenthal RS, **Blaha MJ**, Martin SS. Statins and Cognition: A Systematic Review and Meta-analysis of Short- and Long-term Cognitive Effects. *Mayo Clin Proc*. 2013;88:1213-21.
40. Quaglia LA, Freitas WM, Soares AA, Santos RD, Nadruz W Jr, **Blaha M**, Coelho OR, Blumenthal R, Agatston A, Nasir K, Sposito AC. C-reactive protein is independently associated with coronary atherosclerosis burden among octogenarians. *Aging Clin Exp Res*. 2014; 26(1): 19-23.
41. Aneni E, Roberson LL, Shaharyar S, **Blaha MJ**, Agatston AA, Blumenthal RS, Meneghelo RS, Conceição RD, Nasir K, Santos RD. Delayed Heart Rate Recovery is Strongly Associated With Early and Late-Stage Prehypertension During Exercise Stress Testing. *Am J Hypertens*. 2014;27:514-21.
42. Martin SS, **Blaha MJ**, Blankstein R, Agatston A, Rivera JJ, Virani SS, Ouyang P, Jones SR, Blumenthal RS, Budoff MJ, Nasir K. Dyslipidemia, coronary artery calcium, and incident atherosclerotic cardiovascular disease: implications for statin therapy from the multi-ethnic study of atherosclerosis. *Circulation*. 2014;129(1):77-86.
43. Bittencourt MS, **Blaha MJ**, Blankstein R, Budoff M, Vargas JD, Blumenthal RS, Agatston AS, Nasir K. Polypill Therapy, Subclinical Atherosclerosis, and Cardiovascular Events-Implications for the Use of Preventive Pharmacotherapy: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2014;63(5):434-43.
44. Oni ET, Sinha P, Karim A, Martin SS, **Blaha MJ**, Agatston AS, Blumenthal RS, Meneghelo RS, Conceição RD, Santos RD, Nasir K. Statin use is not associated with presence of and severity of nonalcoholic Fatty liver disease. *Arch Med Res*. 2014;45(1):52-7.
45. Minder CM, Shaya GE, Michos ED, Keenan TE, Blumenthal RS, Nasir K, Carvalho JA, Conceição RD, Santos RD, **Blaha MJ**. Relation between self-reported physical activity level, fitness, and cardiometabolic risk. *Am J Cardiol*. 2014;113(4):637-43.
46. Silverman MG, **Blaha MJ**, Krumholz HM, Budoff MJ, Blankstein R, Sibley CT, Agatston A, Blumenthal RS, Nasir K. Impact of coronary artery calcium on coronary heart disease events in individuals at the extremes of traditional risk factor burden: the Multi-Ethnic Study of Atherosclerosis. *Eur Heart J*. 2014; 35(33): 2232-41.
47. Whelton SP, Narla V, **Blaha MJ**, Nasir K, Blumenthal RS, Jenny NS, Al-Mallah MH, Michos ED. Association Between Resting Heart Rate and Inflammatory Biomarkers (High-Sensitivity C-Reactive Protein, Interleukin-6, and Fibrinogen) (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiol*. 2014;113:644-9.
48. Roberson LL, Aneni EC, Maziak W, Agatston A, Feldman T, Rouseff M, Tran T, **Blaha MJ**, Santos RD, Sposito A, Al-Mallah MH, Blankstein R, Budoff MJ, Nasir K. Beyond BMI: The "Metabolically healthy obese" phenotype & its association with clinical/subclinical cardiovascular disease and all-cause mortality – a systematic review. *BMC Public Health*. 2014 Jan 8;14:14.
49. Aneni EC, Roberson LL, Maziak W, Agatston AS, Feldman T, Rouseff M, Tran TH, Blumenthal RS, **Blaha MJ**, Blankstein R, Al-Mallah MH, Budoff MJ, Nasir K. A systematic review of internet-based worksite wellness approaches for cardiovascular disease risk management: outcomes, challenges & opportunities. *PLoS One*. 2014;9(1):e83594.
50. **Blaha MJ***/Pandey AK*, Sharma K, Rivera J, Budoff MJ, Blankstein R, Al-Mallah M, Wong ND, Shaw L, Carr J, O'Leary D, Lima JA, Szklo M, Blumenthal RS, Nasir K. Family history of coronary heart disease and

- the incidence and progression of coronary artery calcification: Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*. 2014;232(2):369-76.
51. Hulthen E, Bittencourt MS, Ghoshhajra B, O'Leary D, Christman MP, **Blaha MJ**, Truong Q, Nelson K, Montana P, Steigner M, Rybicki F, Hainer J, Brady TJ, Hoffmann U, Di Carli MF, Nasir K, Abbara S, Blankstein R. Incremental prognostic value of coronary artery calcium score versus CT angiography among symptomatic patients without known coronary artery disease. *Atherosclerosis*. 2014;233:190-5.
 52. **Blaha MJ***/Patel J*, McEvoy JW, Qadir S, Tota-Maharaj R, Shaw LJ, Rumberger JA, Callister TQ, Berman DS, Min JK, Raggi P, Agatston AA, Blumenthal RS, Budoff MJ, Nasir K. All-cause mortality in asymptomatic persons with extensive Agatston scores above 1000. *J Cardiovasc Comput Tomogr*. 2014;8:26-32.
 53. Tota-Maharaj R, **Blaha MJ**, Zeb I, Katz R, Blankstein R, Blumenthal RS, Budoff MJ, Nasir K. Ethnic and sex differences in fatty liver on cardiac computed tomography: the multi-ethnic study of atherosclerosis. *Mayo Clin Proc*. 2014;89:493-503.
 54. Kim J, McEvoy JW, Nasir K, Budoff MJ, Arad Y, Blumenthal RS, **Blaha MJ**. Critical review of high-sensitivity C-reactive protein and coronary artery calcium for the guidance of statin allocation: head-to-head comparison of the JUPITER and St. Francis Heart Trials. *Circ Cardiovasc Qual Outcomes*. 2014;7:315-22.
 55. Kanaya AM, Kandula NR, Ewing SK, Herrington D, Liu K, **Blaha MJ**, Srivastava S, Dave SS, Budoff MJ. Comparing coronary artery calcium among U.S. South Asians with four racial/ethnic groups: the MASALA and MESA studies. *Atherosclerosis*. 2014;234:102-7.
 56. Ali SS, Oni ET, Warraich HJ, **Blaha MJ**, Blumenthal RS, Karim A, Shaharyar S, Jamal O, Fialkow J, Cury R, Budoff MJ, Agatston AS, Nasir K. Systematic review on noninvasive assessment of subclinical cardiovascular disease in obstructive sleep apnea: new kid on the block! *Sleep Med Rev*. 2014; 18(5): 379-91.
 57. Kanaya AM, Herrington D, Vittinghoff E, Ewing SK, Liu K, **Blaha MJ**, Dave SS, Qureshi F, Kandula NR. Understanding the High Prevalence of Diabetes in U.S. South Asians Compared With Four Racial/Ethnic Groups: The MASALA and MESA Studies. *Diabetes Care*. 2014;37:1621-8.
 58. Swiger KJ, Martin SS, **Blaha MJ**, Toth PP, Nasir K, Michos ED, Gerstenblith G, Blumenthal RS, Jones SR. Narrowing sex differences in lipoprotein cholesterol subclasses following mid-life: the very large database of lipids (VLDL-10B). *J Am Heart Assoc*. 2014;3(2):e000851.
 59. Miedema MD, Duprez DA, Misialek JR, **Blaha MJ**, Nasir K, Silverman MG, Blankstein R, Budoff MJ, Greenland P, Folsom AR. Use of coronary artery calcium testing to guide aspirin utilization for primary prevention: estimates from the multi-ethnic study of atherosclerosis. *Circ Cardiovasc Qual Outcomes*. 2014;7:453-60.
 60. Silverman MG, Harkness JR, Blankstein R, Budoff MJ, Agatston AS, Carr JJ, Lima JA, Blumenthal RS, Nasir K, **Blaha MJ**. Baseline subclinical atherosclerosis burden and distribution are associated with frequency and mode of future coronary revascularization: multi-ethnic study of atherosclerosis. *JACC Cardiovasc Imaging*. 2014;7:476-86.
 61. De Paula RCS, Aneni EC, Costa APR, Figueiredo VN, Moura FA, Freitas WM, Quaglia LA, Santos SN, Soares AA, Nadruz W, **Blaha MJ**, Blumenthal R, Agatston A, Nasir K, Sposito AC. Low zinc levels is associated with increased inflammatory activity but not with atherosclerosis, arteriosclerosis or endothelial dysfunction among the very elderly. *BBA Clinical*. 2014; 2: 1-6.
 62. **Blaha MJ**, Dardari ZA, Blumenthal RS, Martin SS, Nasir K, Al-Mallah MH. The new "intermediate risk" group: A comminimalparative analysis of the new 2013 ACC/AHA risk assessment guidelines versus prior guidelines in men. *Atherosclerosis*. 2014; 237(1): 1-4.
 63. Cohen R, Budoff M, McClelland RL, Sillau S, Burke G, **Blaha MJ**, Szklo M, Uretsky S, Rozanski A, Shea S. Significance of a positive family history for coronary heart disease in patients with a zero coronary artery calcium score (from the Multi-Ethnic Study of Atherosclerosis). *Am J Cardiology*. 2014; 114(8): 1210-1214.
 64. Swiger KJ, Manalac RJ, **Blaha MJ**, Blumenthal RS, Martin SS. Statins, mood, sleep, and physical function: a systematic review. *Eur J Clin Pharmacol*. 2014;70:1413-22.
 65. Jamal O, Aneni EC, Shaharyar S, Ali SS, Parris D, McEvoy JW, Veledar E, **Blaha MJ**, Blumenthal RS, Agatston AS, Conceicao RD, Feldman T, Carvalho JA, Santos RD, Nasir K. Cigarette smoking worsens systemic inflammation in persons with metabolic syndrome. *Diabetol Metab Syndr*. 2014; 6(1): 79.
 66. Tota-Maharaj R, **Blaha MJ**, Blankstein R, Silverman MG, Eng J, Shaw LJ, Blumenthal RS, Budoff MJ, Nasir K. Association of coronary artery calcium and coronary heart disease events in young and elderly participants

- in the multi-ethnic study of atherosclerosis: a secondary analysis of a prospective, population-based cohort. *Mayo Clin Proc.* 2014;89:1350-9.
67. Freitas WM, Quaglia LA, Santos SN, de Paula RC, Santos RD, **Blaha M**, Rivera JJ, Cury R, Blumenthal R, Nadruz-Junior W, Agatston A, Figueiredo VN, Nasir K, Sposito AC; The Brazilian Study on Healthy Aging. Low HDL cholesterol but not high LDL cholesterol is independently associated with subclinical coronary atherosclerosis in healthy octogenarians. *Aging Clin Exp Res.* 2015;27:61-7.
 68. Martin SS, Khokhar AA, May HT, Kulkarni KR, **Blaha MJ**, Joshi PH, Toth PP, Muhlestein JB, Anderson JL, Knight S, Li Y, Spertus JA, Jones SR. HDL cholesterol subclasses, myocardial infarction, and mortality in secondary prevention: the lipoprotein investigators collaborative. *Eur Heart Journal.* 2015;36:22-30.
 69. Miedema MD, Lopez FL, **Blaha MJ**, Virani SS, Coresh J, Ballantyne CM, Folsom AR. Eligibility for Statin Therapy According to New Cholesterol Guidelines and Prevalent Use of Medication to Lower Lipid Levels in an Older US Cohort: The Atherosclerosis Risk in Communities Study Cohort. *JAMA Intern Med.* 2015;175:138-40.
 70. Juraschek SP, **Blaha MJ**, Whelton SP, Blumenthal RS, Jones SR, Keteyian SJ, Schairer J, Brawner CA, Al-Mallah MH. Physical Fitness and Hypertension in a Population at Risk for Cardiovascular Disease: The Henry Ford Exercise Testing (FIT) Project. *J Am Heart Assoc.* 2014;3:e001268.
 71. Tota-Maharaj R, Al-Mallah MH, Nasir K, Qureshi WT, Blumenthal RS, **Blaha MJ**. Improving the Relationship between Coronary Artery Calcium Score and Coronary Plaque Burden: Addition of Regional Measures of Coronary Artery Calcium Distribution. *Atherosclerosis.* 2014; 238(1): 126-31.
 72. Roberson L, Shaharyar S, Aneni E, Freitas W, **Blaha M**, Agatston A, Blumenthal R, Santos RD, Feiz H, Nasir K, Sposito A. The prevalence of the metabolically healthy obese phenotype in an aging population and its association with subclinical cardiovascular disease: The Brazilian study on healthy aging. *Diabetol Metab Syndr.* 2014;6:121.
 73. Gibson AO, **Blaha MJ**, Arnan MK, Sacco RL, Szklo M, Herrington DM, Yeboah J. Coronary Artery Calcium and Incident Cerebrovascular Events in an Asymptomatic Cohort: The MESA Study. *JACC Cardiovasc Imaging.* 2014; 7(11): 1108-15.
 74. Oni ET, Kalathiya R, Aneni EC, Martin SS, **Blaha MJ**, Feldman T, Agatston AS, Blumenthal RS, Conceicao RD, Carvalho JA, Santos RD, Nasir K. Relation of Physical Activity to Prevalence of Nonalcoholic Fatty Liver Disease Independent of Cardiometabolic Risk. *Am J Cardiol.* 2015; 115(1): 34-9.
 75. Hung RK, Al-Mallah MH, McEvoy JW, Whelton SP, Blumenthal RS, Nasir K, Schairer JR, Brawner C, Alam M, Keteyian SJ, **Blaha MJ**. Prognostic Value of Exercise Capacity in Patients with Coronary Artery Disease: The FIT (Henry Ford Exercise Testing) Project. *Mayo Clin Proc.* 2014; 89(12): 1644-54.
 76. Aladin AI, Whelton SP, Al-Mallah MH, **Blaha MJ**, Keteyian SJ, Juraschek SP, Rubin J, Brawner CA, Michos ED. Relation of Resting Heart Rate to Risk for All-Cause Mortality by Gender After Considering Exercise Capacity (The FIT Project). *Am J Cardiol.* 2014; 114(11): 1701-6.
 77. McEvoy JW, Nasir K, DeFilippis AP, Lima JA, Bluemke DA, Hundley WG, Barr RG, Budoff MJ, Szklo M, Navas-Acien A, Polak JF, Blumenthal RS, Post WS, **Blaha MJ**. Relationship of cigarette smoking with inflammation and subclinical vascular disease: The MESA. *Arterioscler Thromb Vasc Biol.* 2015. 35(4): 1002-10.
 78. Ahmed HM, Al-Mallah MH, McEvoy JW, Nasir K, Blumenthal RS, Jones SR, Brawner CA, Keteyian SJ, **Blaha MJ**. Maximal exercise testing variables and 10-year survival: Fitness risk score from the FIT Project. *Mayo Clin Proc.* 2015;90(3): 346-55.
 79. Tota-Maharaj R, Joshi PH, Budoff MJ, Whelton S, Zeb I, Rumberger J, Al-Mallah M, Blumenthal RS, Nasir K, **Blaha MJ**. Usefulness of regional distribution of coronary artery calcium to improve the prediction of all-cause mortality. *Am J Cardiol.* 2015;115:1229-34.
 80. Yeboah J, Sillau S, Delaney JC, **Blaha MJ**, Michos ED, Young R, Qureshi WT, McClelland R, Burke GL, Psaty BM, Herrington DM. Implications of the new American College of Cardiology/American Heart Association cholesterol guidelines for primary atherosclerotic cardiovascular disease event prediction in a multi ethnic cohort: MESA. *Am Heart J.* 2015; 169(3): 387-395.
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Other Publications

Guidelines/Position Statements/Committee Reports

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13. DeFilippis AP, **Blaha MJ**. Predicted vs Observed Clinical Event Risk for Cardiovascular Disease. *JAMA*. 2015;314:2082.
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1. **Blaha MJ**, Tota-Maharaj R. *Metabolic Syndrome: From Risk Factors to Treatment*. SEEd publ, Italy. Handbook. 192 pages. May 31, 2012. ISBN-13: 978-8897419198 (Two Editions: English and Italian)
2. **Blaha MJ**, Tota-Maharaj, McEvoy JW. *Understanding the Metabolic Syndrome Epidemic in India and South Asia*. MacMillan India. 189 pages. 2013. ISBN: 978-93-80780-43-6

Educational Publications (*selected*)

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4. **Blaha MJ**, Nasir K, Blumenthal RS. Comparing strengths and limitations of hsCRP and CAC in refining CVD risk prediction. *Cardiology Today*. October 2011.
5. Martin SS, Blumenthal RS, **Blaha MJ**. Let's Not be So Quick to Stop Statins. *Cardiology Today*. Oct 2012.
6. **Blaha MJ**. Trials and PIs with Dr. Michael Blaha. 20 interviews with PIs from AHA Scientific Sessions 2012. theheart.org.
7. **Blaha MJ**. Top 10 Misconceptions About the New Prevention Guidelines. 2014. Acc.org.
8. Wong ND, **Blaha MJ**, Al-Mallah MH, Defilippis AD, Martin SS, Miedema MD, Scott R. Ask the Experts: What Practice Changes Have You Made Based on the Risk/Prediction/Cholesterol Guidelines? 2015. Acc.org

9. Wong ND, **Blaha MJ**. The CVD-Real Study: A Real-World Look at the Effectiveness of SGLT-2 Inhibitors. 2017. Acc.org.

FUNDING

EXTRAMURAL Funding

Research Extramural Funding – Current

- 9/19/13 – 9/18/23
(renewal 10/1/18) American Heart Association Tobacco Regulation and Addiction Center (A-TRAC)
1 P50 HL120163-01, 2U54HL120163
NIH/NHLBI, FDA
\$2,100,000
Center PI: Bhatnagar, Hopkins PI: Blaha
Role: Principal Investigator, Johns Hopkins site; 20% effort; (A-TRAC) is a multi-institutional center housed within AHA, and jointly funded by the NIH and the FDA (Tobacco Centers of Regulatory Science [TCORS]), that deals with the basic science, translational, epidemiologic, and policy issues surrounding the cardiovascular dangers of tobacco use in the United States.
- 8/1/15- 6/30/20 Atrial fibrillation burden, vascular disease of the brain and cardiac MRI in MESA
R01 HL127659
University of Washington/NIH/NHLBI
PI: Heckbert
Role: Co-Investigator, 4% effort; This is a study of AF and AF burden in relation to cerebral and cardiac structure and function and cardiovascular events in the Multi-Ethnic Study of Atherosclerosis (MESA).
- 8/1/15 – 6/30/20 Transition from Risk Factors to Early HF: Prevalence, Pathogenesis, and Phenomics
R01 HL127028
Wake Forest University/NIH/NHLBI
PI: Bertoni
Role: Co-Investigator, 4% effort; This is a study of the pathophysiology and key phenotypic features early HF, particularly HFpEF; and signatures associated with overt HF.
- 8/15/15 – 12/31/20 Multi-Ethnic Study of Atherosclerosis (MESA)
NO1-HC-95162)
NIH/NHLBI
\$575,202
PI: Post
Role: Investigator, Presentations and Publications Committee, 10% effort; This multicenter epidemiologic population-based study evaluates the progression from subclinical atherosclerotic disease to clinical cardiovascular disease in a large multiracial group. Participants have had CT scan measures of coronary calcification, carotid ultrasound for intima media thickness, and MRI examinations.
- 3/16 – 2/20 E-cigarette use as a modifier of oral host defense and microbiome in young adult (VAPORS Study).
R01 DE026031
NIH/FDA
\$308,328
PI: Biswal
Role: Co-Investigator, 2.5% effort; This study in enrolling a new cohort of electronic-cigarette users into a study of the oral microbiome, with additional grant money awarded for a cardiovascular substudy investigating the effect of electronic cigarettes on digital endothelial function.

- 10/1/16 – 6/30/20 REPRIEVE Mechanistic CT Substudy
5U01HL123339-03
NIH/NHLBI
PI: Hoffman, Lu
Role: Co-Investigator, 1% effort; The REPRIEVE study is a multi-center study of the potential benefit of statin therapy in HIV. This mechanistic substudy includes CT angiography to characterize plaque burden and plaque changes in REPRIEVE participants.
- 11/15/16 – 11/14/20 Atherosclerosis Risk in Communities (ARIC) Study Field Center
HHSN268201100009C
NIH/NHLBI
PI: Coresh
Role: Co-Investigator, 5% effort; Examines the etiology and natural history of atherosclerosis, coronary heart disease, and to measures variation in cardiovascular risk factors, medical care and disease by race, sex, place, and time.
- 12/16 – 2/20 Calculation of Cardiovascular Age and Identification of Secondary Prevention- Equivalent Level of Risk in the Multi-Ethnic Study of Atherosclerosis and the Coronary Artery Calcium Consortium
Investigator Initiated Award
Amgen Foundation
\$175,000
Role: Principal Investigator; 10% effort; This study seeks to create a tool for translating cardiovascular risk into “cardiovascular age” for simple communication, and for calculating whether primary prevention patients have secondary prevention-equivalent risk as a function of their coronary artery calcium scores.
- 5/17 – 4/22 Quantifying cardiovascular calcification at very old age for personalized risk classification
RO1 HL136592
NIH/NHLBI
\$500,000
PI: Blaha/Matsushita
Role: Co-Principal Investigator, 8-40% effort; The study seeks to conduct coronary artery calcium scans amongst participants in visits 6 and 7 in ARIC, for the purposes of characterizing coronary disease and absence of coronary disease in very old adults. In addition, there is a in depth preference survey to assess preferences toward risk and preventive care among older adults.
- 7/1/17 – 6/30/20 Modeling the Long-Term Impact of Coronary Artery Calcium on the Competing Risk of CVD vs non-CVD mortality
17MCPRP33660247
AHA (Mentored Clinical Population Science Award)
\$177,000
PI: Whelton
Role: Mentor, 5% effort; This study seems to model the impact of coronary artery calcium on predicting competing causes of death, including CVD vs. cancer, across the lifespan. This study has implications for preventive resource management.
- 8/17 – 7/20 A Mobile Health Intervention in Pulmonary Arterial Hypertension
R34
Vanderbilt/NIH/NHLBI
\$141,000
PI: Brittain, Hopkins PI: Blaha

Role: Hopkins site Principal Investigator; 10% effort; This study seeks to employ a mobile health intervention aimed at increasing physical activity levels in patients with pulmonary arterial hypertension. The Johns Hopkins mActive team serves as the mHealth core lab for this study.

9/17 – 6/22

Hormonal, Metabolic and Signaling Interaction in PAH

P01 HL108800

Vanderbilt/NIH/NHLBI

\$220,000

Role: Hopkins site Principal Investigator; 10% effort; This study seeks to employ mobile health tools for real-time measurement of physiologic parameters in patients with pulmonary arterial hypertension undergoing an exercise intervention

12/17 – 6/22

Evolocumab in Acute Coronary Syndrome: A double-blind randomized placebo controlled study.

Investigator Initiated Award, Amgen Foundation

\$3,000,000

PI: Schulman

Role: Co-Investigator; 15% effort; This will be the first randomized controlled trial of a PCSK9i in acute coronary syndrome. This study will examine the impact of evolocumab on LDL reduction and on plaque inflammation as measured by FDG-PET among 60 ACS patients from the Johns Hopkins Hospital.

11/1/18 – 6/30/20

Harmonizing BRFSS with the Healthiest Communities Rankings for Physical Activity and Mobile Health Research

Investigator Initiated Innovation Award

Aetna/Aetna Foundation

\$250,000

PIs: Blaha/Martin

Role: Co-Principal Investigator, 12% effort; This project seeks to harmonize county-level data from the BRFSS with the 2018 and 2019 US News/Aetna Foundation Healthiest Communities Rankings

4/1/19 – 3/31/2025

RURAL: Risk Underlying Rural Areas Longitudinal Cohort Study

R01

NIH/NHLBI

\$196,000

PI: Ramachandran

Role: Co-Investigator; This is a proposal for a new NIH/NHLBI cohort focused on determining the unique determinants of cardiovascular disease in rural America.

Research Extramural Funding – Previous

7/11 – 6/15

hsCRP and CAC in the Multi-Ethnic Study of Atherosclerosis

L30 HL110027

NIH LRP – Loan Repayment Program

4/1/15 – 7/31/16

Long-Term Follow-up of the mActive Trial

Investigator Initiated Innovation Award (PIs: Blaha/Martin)

Aetna/Aetna Foundation

\$199,587

Role: Co-Principal Investigator; 20% effort

- 5/1/16 – 8/31/17 Informing Tobacco Product Regulation and Education Campaigns through Study of the Real-Time Association between Smoking Addiction and Physical Activity: Leveraging Mobile Health Tools in a vulnerable East Baltimore Population
ATRAC Pilot Grant
AHA/NHLBI/FDA
\$75,000
Role: Principal Investigator; 7% effort; mActive-SMOKE. This pilot project seeks to explore the real time association between physical activity and smoking urges using modern mHealth tools, as well as to use modern communication channels to pilot simulated educational messages from the FDA about the link between physical activity and smoking.
- 7/16 – 10/16 The Coronary Artery Calcium Consortium
L30 HL110027
NIH LRP – Loan Repayment Program
- 8/13/16 – 10/31/17 Targeting Smoking Cessation in Underserved Baltimore (mActive-SMOKE)
Investigator Initiated Innovation Award
Aetna/Aetna Foundation
\$175,000
PIs: Blaha/Martin
Role: Co-Principal Investigator, 20% effort; Long-Term Follow-up of the mActive Trial. The Aetna Foundation, who is interested in mobile health and wellness programs, is funding a year-long follow-up of the mActive clinical trial participants. Goals of the project will be to describe the long term sustainability and durability of an mHealth physical activity intervention.
- 8/13/16 – 10/31/17 Targeting Smoking Cessation in Underserved Baltimore (mActive-SMOKE)
Investigator Initiated Innovation Award
Aetna/Aetna Foundation
\$175,000
PIs: Blaha/Martin
Role: Co-Principal Investigator, 20% effort; Long-Term Follow-up of the mActive Trial. The Aetna Foundation funded a year-long follow-up of the mActive clinical trial participants. Goals of the project were to describe the long term sustainability and durability of an mHealth physical activity intervention.
- 7/1/15 – 4/30/18 Progression of Coronary Atherosclerosis in MACS
R01HL125053
NIH/NHLBI
PI:Post
Role: Co-Investigator; 5% effort; The purpose of this study is to determine the association between HIV serostatus and the progression of subclinical coronary atherosclerosis and myocardial perfusion abnormalities and dysfunction on CT scans.
- 3/1/16 – 6/31/18 Evaluating the Cardiovascular and Pulmonary Health Effects of Electronic Cigarettes in Humans
ATRAC Pilot Grant
AHA/NHLBI/FDA
\$75,000
Role: Principal Investigator, 8% effort; This study seeks to enroll a parallel pilot cohort of 30 e-cigarette users alongside the greater Miami Heart (MiHeart) Study for the purposes of studying the potential cardiovascular and pulmonary effects of e-cigarette use (MiHeart-ECIG).

- 1/17 – 6/18 Longitudinal follow up of young adult E-cigarette users for assessing cardiovascular and lung health
 ATRAC Pilot Grant
 FDA/NIH/AHA
 \$75,000
 PIs: Biswal/Blaha
 Role: Co-Investigator, 2.5% effort; This study adds testing for serum inflammatory markers as well as two tests of endothelial function (brachial flow mediated dilation and EndoPAT) to the ongoing VAPORS study of electronic cigarette users, to assess potential subclinical cardiovascular toxicity of e-cigarettes among young adults.
- 8/17 – 7/18 Association of Cigar, Pipe, and Smokeless Tobacco Use with CVD Events and Biomarkers of Subclinical CVD Injury: A Cross Cohort Collaboration Pooling Project of 18 NIH-Sponsored Cohorts
 ATRAC Pilot Grant
 FDA/NIH/AHA
 \$75,000
 Role: Principal Investigator; 15% effort; This study seeks to leverage the CCC for the study of low prevalence tobacco exposure, namely cigar, pipe, and smokeless tobacco exposure. Specific goals include study of the association of alternative tobacco products with subclinical inflammation, subclinical atherosclerosis, and clinical events with comparison of effect size to that of traditional cigarettes.
- 8/17 – 12/18 Johns Hopkins Ciccarone – Aetna mHealth Center of Excellence: Training Component Investigator Initiated Innovation Award
 Aetna/Aetna Foundation
 \$175,000
 PIs: Blaha/Martin
 Role: Co-Principal Investigator, 12% effort; This award funds the Training Core of the Johns Hopkins Ciccarone – Aetna mHealth Center of Excellence, including the mHealth fellowship and mHealth lecture series.
- 9/17 – 8/19 Jackson Heart Study
 NIH/NHLBI
 Role: CHD Events Adjudication Committee; 5% effort; The Jackson Heart Study is an NIH/NHLBI-funded study of the determinants long term cardiovascular health of African Americans from Jackson, Mississippi.

Educational Extramural Funding

Previous

- 7/04 – 6/05 Metabolic Syndrome and Hyperglycemic Relapse in Type 2 Diabetes
 T32 DK007563
 NIH/NIDDK
 PI: Granner
 Role: Trainee
- 7/11 – 12/12 hsCRP, CAC, and Cardiovascular Disease Prediction
 5T32 HL007227
 NIH/NHLBI
 PI: Kass
 Role: Trainee

Clinical Extramural Funding NONE

System Innovation or Quality Improvement Extramural Funding NONE

Other Extramural Funding NONE

INTRAMURAL Funding NONE

Educational Intramural Funding NONE

Clinical Intramural Funding NONE

System Innovation or Quality Improvement Intramural Funding NONE

Other Intramural Funding NONE

CLINICAL ACTIVITIES

Clinical Focus

My clinical activities surround preventive cardiology, particularly the early detection of atherosclerotic cardiovascular risk, and early interventions to attenuate that risk emphasizing both lifestyle recommendations as well as appropriate pharmacotherapy. My approach to preventive cardiology includes expertise in the clinical use of cardiac computed tomography.

Certification

Medical, other state/government licensure

8/11-presnet Maryland Board of Physicians, granted 8/1/2011. D72838

Boards, other specialty certification

2009-present Internal Medicine

2012-present Cardiovascular Diseases

2012-present Cardiovascular Computed Tomography

Current (Service) Responsibilities

2013-present ½ day a week: Outpatient clinic, Ciccarone Center for the Prevention of Heart Disease
1 day a week: Attending, Cardiovascular Computed Tomography
2 weeks per year: Attending, Inpatient Cardiology Service
2 weeks per year: Attending, Cardiology Consult Service

Clinical Productivity

My current targeted clinical effort assignment is 10%

My FY2017 wRVU was 3850, which exceeds my target by >100%.

Clinical Draw Not applicable

Membership in or examiner for specialty board NONE

Clinical Program Building/Leadership NONE

Clinical Demonstration Activities NONE

Development of nationally/internationally recognized clinical standard of care NONE

EDUCATIONAL ACTIVITIES

Educational Focus

My educational focus is on training residents, fellows, and post-doctoral students in the Ciccarone Center for the Prevention of Heart Disease. I am also a co-course director of the Johns Hopkins Bayview CT Practicum,

assisting Dr. Ed Shapiro on Tuesdays during the course. I was formerly the author of an internationally-read blog for Yahoo Health entitled “Heart Smart Living”. I am currently firm faculty on the Longcope Firm.

- Founder of the Johns Hopkins Ciccarone Center Research and Methods Conference
 - Held twice monthly
 - ~20 attendees per season
- Assistant Course Director (5% effort)
 - Johns Hopkins CTA Practicum. Johns Hopkins Bayview Hospital.
- Yahoo Health Blog. “Heart Smart Living” (2013-2015)
 - <http://health.yahoo.net/experts/heartsmartliving/bio/michael-blaha>
 - (over 2500 Facebook Likes, Over 3000 Re-tweets)
 - Twitter: @MichaelJBlaaha
- Longcope Firm Faculty
- CME Advisory Board, Johns Hopkins
- Frequent Contributor to *Hopkins Health Minute* on NPR (with Elizabeth Tracey)
 - 5-7 recordings/year

Teaching

Classroom Instruction

JHMI/Regional

- | | |
|----------------|--|
| 2013 – present | “Risk Scores in Clinical Guidelines”, beginning 2014 (yearly lecture). Introduction to Cardiovascular Epidemiology. Role: Lecturer. Johns Hopkins Bloomberg School of Public Health. |
| 2014 – present | “Lipid-Lowering Drugs”, beginning 2014 (yearly lecture). Genes to Society, Cardiovascular section. Role: Lecturer. Johns Hopkins School of Medicine. |
| 2015 – present | Coronary Artery Calcium in Clinical Practice – What You Need to Know”, beginning 2015 (yearly lecture). Cardiology Fellowship Curriculum. Johns Hopkins School of Medicine. |
| 2016 – present | “Coronary Artery Calcium and Physical Fitness – The Two Best Predictors of Survival”, beginning 2016 (yearly lecture). Graduate Seminar for 1 st year Epidemiology Students. Johns Hopkins Bloomberg School of Public Health. |

National

- | | |
|----------------|---|
| 2013 – present | “Measuring Cardiovascular Health / Disease in Tobacco Users”, beginning 2013 (yearly lecture). ATRAC Fellows Didactic Curriculum. Role: Lecturer. American Heart Association Tobacco Regulation and Addiction Center. |
| 2015 | “Making the New CV Risk Calculator Work for Clinicians and Patients”. With Dr. Chuck Vega. Medscape Family Medicine, Best Evidence Review. |
| 2015 | “Competing BP Guidelines: Putting Them in Context”. With Dr. Chuck Vega. Medscape Family Medicine, Best Evidence Review. |
| 2016 | “New Tools in Preventive Cardiology: The Latest Evidence on Reducing Cardiovascular Risk and Mortality”. With Dr. Chuck Vega. Medscape Family Medicine, Best Evidence Review. |
| 2016 | “Diagnostic Error in Patients With Cardiac Symptoms”. Medscape, The Ear on Error: Common Diagnostic Errors series. |
| 2017 | “The Latest in Hypertension Guidelines: What is a PCP to Do?”. With Dr. Chuck Vega. Medscape, Perspective for Critical Issues in Primary Care. |
| 2017 | “Coronary Artery Calcium”. Knowledge to Practice (K2P). |
| 2018 | “Peer to Peer Commentary on new ACC/AHA Prevention Guidelines”. With Dr. Salim Virani and Dr. Donald Llyod-Jones”. Medscape collaboration with ACC. |

International

- | | |
|------|--|
| 2015 | “The Role of Coronary Artery Calcium Testing in Clinical Practice”. Tele-Lecture. For a group of doctors in Saudi Arabia. Johns Hopkins International. |
| 2018 | “Clinical CVD Risk Prediction – Rationale, History, and Modern Problems in Risk Prediction”. Tele-Lecture. For a group of doctors in India. Johns Hopkins International. |

2018	“Lipid Lowering Therapy”. Tele-Lecture. For a group of doctors in India. Johns Hopkins International.
<i>Clinical Instruction</i>	
<i>JHMI/Regional</i>	
2013-present	Attending, 3/4 th year medical students, Inpatient cardiology service, 2 weeks/year
2013-present	Attending, 3/4 th year medical students, Inpatient cardiology consult service, 2 weeks/year
<i>National</i>	
	NONE
<i>International</i>	
	NONE
<i>CME Instruction</i>	
<i>JHMI/Regional</i>	
2012 – present	“The Role of Coronary Artery Calcium in Cardiovascular Risk Prediction”, 2012 (ongoing, sessions [10/year]). Johns Hopkins CTA Practicum, Shapiro/Bush/Hees. Role: Lecturer. Johns Hopkins Bayview Hospital.
2014	“Reducing Cardiovascular Risk: Taking a Closer Look at Statin Efficacy and Safety.” 2014 PriMed Regional CME Conference. Baltimore, MD.
2015 – present	“Post-Processing Techniques in Coronary CT Angiography”, 2015 (ongoing, sessions [10/year]). Johns Hopkins CTA Practicum, Shapiro/Bush/Hees. Role: Lecturer. Johns Hopkins Bayview Hospital.
2015	“The New ACC/AHA Prevention Guidelines – Strengths, Weaknesses”. 19 th Annual Coastal Cardiology Conference. Peninsula Regional Medical Center. Cambridge, MD.
2016	“Personalizing the New ACC/AHA Prevention Guidelines”. Nicholas Fortuin Cardiovascular Topics. Johns Hopkins CME. Baltimore, MD.
2016	“Personalizing the New ACC/AHA Prevention Guidelines”. Philip A. Tumulty Topics in Clinical Medicine. Johns Hopkins CME. Baltimore, MD.
2016	“Personalizing the New ACC/AHA Prevention Guidelines”. Texas Club of Internists Fall Clinical Meeting. Johns Hopkins MCE. Baltimore, MD.
2017	“Integrating PCSK9 Inhibitors Into Clinical Practice”. Philip A. Tumulty Topics in Clinical Medicine. Johns Hopkins CME. Baltimore, MD.
2017	“Mobile Heart Health – Is Your Cell Phone Smart Enough to Make You Healthier?”. Johns Hopkins University School of Medicine Biennial Retreat and Reunion. Baltimore, MD.
<i>National</i>	
2010	“New Oral Anti-Coagulants and Anti-Platelet Agents”. Online CME course offered by theheart.org.
2011	Faculty for Johns Hopkins University Self-Assessment Program (SAP) in Non-HDL Cholesterol. Authored 20 questions and answer narratives for course materials.
2014	“New LDL-Lowering Therapies . . . and What About Those Crazy New Guidelines??”. 2014 Cardiology at Mohonk Conference (CME). New York Chapter of the American College of Cardiology, Mid Valley Cardiology, St. Peter’s Hospital. New Paltz, NY.
2014	“Imaging-Guided Statin Allocation: Seeing Is Believing: The New Paradigm in Personalized Risk Assessment & Medication Prescribing”. Eighth Annual South Miami Heart Center Cardiovascular Comprehensive Symposium. Coral Gables, FL.
2014	“What Do the New Prevention Guidelines Mean for Clinicians?” Cardiovascular Disease Management: A Case-Based Approach (CME Conference). California and Arizona Chapters of the American College of Cardiology (ACC). Phoenix, AZ.
2014	“Early Disease Detection and Treatment for Metabolic Syndrome”. Cardiovascular Disease Management: A Case-Based Approach (CME Conference). California and Arizona Chapters of the American College of Cardiology (ACC). Phoenix, AZ.
2015	“Erectile Dysfunction: An Early Sign of Cardiovascular Disease”. Baptist Health South Florida 13 th Annual Cardiovascular Disease Prevention International Symposium. Miami, FL

- 2015 “Controversies in Cardiovascular Prevention - Answers to Simple Questions Your Patients Are Asking”. Baptist Health South Florida 13th Annual Cardiovascular Disease Prevention International Symposium. Miami, FL.
- 2015 “Individualizing Risk Assessment – Coronary Artery Calcium and the New Risk Assessment Guidelines”. 12th Annual Ponte Vedra Cardiovascular Symposium. North Florida Cardiovascular Education Foundation and Florida Chapter of the American College of Cardiology. Ponte Vedra, FL.
- 2015 **Blaha MJ**, Bhatt DL, Gurbel PA. Aspirin Use in Diabetic Patients: Challenging the Treatment Paradigms. Online CME from the American College of Cardiology (ACC). Acc.org.
- 2016 Faculty for online CME course: “New Aspirin Formulations for Secondary Prevention of CVD: One Size No Longer Fits All”. Medscape. New York, NY.
- 2016 Faculty for online CME Course: “ACC 2016: Recent Advances in PCSK9 Science to Improve Outcomes for Patients with Dyslipidemia”. Newton, MA.
- 2016 “Non-Statin Guidelines.” Faculty lecture for online CME Course: “Applying PCSK9 Therapeutics to the Right Dyslipidemia Patients at the Right Time”. Newton, MA.
- 2016 Co-Course Director of CME-accredited. *American Journal of Cardiology* supplement on Novel Lipid Lowering Therapies. *Am J Cardiol.* 2016;118(6 Suppl)
- 2016 Faculty for Lipid Self Assessment Program 2016 from the National Lipid Association (NLA). Section on Risk Assessment and Guidelines.
- 2017 Faculty for online CME Course: “Update on the Management of Familial Hypercholesterolemia”. Newton, MA.
- 2017 Faculty for live CME Course, American College of Physicians. “Developing Optimized Treatment Plans for Patients with Dyslipidemia in the Era of PCSK9 Inhibitor Therapeutics”. San Diego, CA. Underberg JA, **Blaha MJ**, Msn EJJ, Jones PH. Developing Optimized Treatment Plans for Patients with Dyslipidemia in the Era of Pcsk9 Inhibitor Therapeutics. *Am J Med.* 2017;130:1233.
- 2017 Chair for live online CME: “PCSK9 Inhibitors & CV Risk Reduction: Understanding the Implications”. CardioCareLive. Baltimore, MD.
- 2017 “Providing Evidence for Subclinical Disease Assessment”. 3rd Annual Pacific Northwest Cardiovascular Summit — OHSU Knight Cardiovascular Institute. Portland, OR.
- 2017 “PCSK9 Inhibitors – Are They Worth the Money?” 17th Controversies and Advances in the Treatment of Cardiovascular Disease. Beverly Hills, CA.
- 2017 Faculty for Online CME Course: “AHA 2017: Applying PCSK9 Inhibitors to Improve Outcomes for Patients with Dyslipidemia”. Newton, MA.
- 2017 “Assessing Risk to Optimize Benefit with Lipid-Lowering Therapy”. New York City Lipid Forum – Beyond Statin Therapy: Getting the Low Down on LDL Management. New York
- 2017 “Understanding the Metabolic Syndrome and the Lipid Profile: Impact of Triglycerides and LDL on Atherogenicity”. Cardiometabolic University. Dallas, TX.
- 2018 Co-Course Director for online CME activity entitled “Lifting the Burden of CV Disease and Diabetes”. Acc.org. <http://www.acc.org/education-and-meetings/products-and-resources/diabetes>.
- 2018 “Exercise Prescription for Primary and Secondary Prevention”. Miami CardioMetabolic Summit. Baptist Health CME. Miami Beach, FL.
- 2018 “Muscle Aches with Statins”. Miami CardioMetabolic Summit. Baptist Health CME. Miami Beach, FL.
- 2018 “Risk Assessment in Primary Prevention of ASCVD - Optimal Risk Assessment Includes Coronary Artery Calcium Scoring”. Miami CardioMetabolic Summit. Baptist Health CME. Miami Beach, FL.
- 2018 “Exercise Prescription for Primary and Secondary Prevention”. Society of Cardiovascular Computed Tomography (SCCT) Annual Prevention Symposium. Dallas, TX.
- 2018 “Coronary Artery Calcium to Guide Preventive Therapy: A 2018 Update”. MAHEC Biennial Cardiovascular Symposium. Asheville, NC.
- 2018 Faculty for CME course: “The New Era of PCSK9 Inhibitors: Patient Perspectives

- and Identifying Barriers to Care”. Newton, MA
- 2018 Faculty for Course: “PCSK9 Cardiovascular Medicine Intelligence Zone: From Trials to Treatment – How do recent guidelines and CV outcomes trials help identify high-risk patients”. Chicago, IL
- 2018 Faculty for course: “Addressing Current Debates in Cardiovascular Risk Reduction and Lipid Management”. Louisville, KY

International

- 2012 “Module 6 – Preventive Cardiology”. Wrote Module 6 of a course in cardiology marketed through Johns Hopkins CME to primary care doctors in India.
- 2015 “Cardiovascular Risk Assessment in Diabetes – All Diabetics Are Not Created Equal!”. ASH/ESH 3rd India Risk Factor Symposium. Goa, India.
- 2015 “Understanding the Metabolic Syndrome Epidemic in India and South Asia – A Practical ABCDE Guide for Management”. ASH/ESH 3rd India Risk Factor Symposium. Goa, India.
- 2015 “From Landmark Statin Trials to New Guidelines – Understanding the New ACC/AHA Prevention Guidelines”. CME publication marketed to primary care doctors in India.

Workshops/Seminars

- JHMI/Regional* NONE
- National* NONE
- International* NONE

Mentoring

- Faculty Mentor: Cardiovascular Epidemiology Institutional Training Grant (T32HL07024, PI: Coresh)
- Faculty Mentor: Cardiovascular Institutional Training Grant (5T32HL007227, PI: Kass)
- Faculty Mentor: Training Program in Pharmacoepidemiology (T32HL139426-01, PI: Alexander)

Pre-Doctoral Advisees/Mentees

- 7/13 – 4/15 David I. Feldman, BS, currently MD/MPH candidate at the University of Miami. Currently share 12 publications.

Post-Doctoral Advisees/Mentees

- 7/09 – 6/15 Bill McEvoy, MD MS, currently faculty in the Ciccarone Center. Received Masters while my mentee. Finished the Pollin Cardiovascular Prevention Fellowship. Received multiple awards, including Blumenthal Award, Northwestern Young Investigators Forum, PJ Shafer award. We have co-authored 1 funded grant. Currently share 38 publications
- 1/10 – 5/16 Rajesh Tota-Maharaj, MD, currently interventional cardiologist at Mt. Sinai in Miami, FL. Currently share 11 publications.
- 1/10 – 5/13 Michael G. Silverman, MD, currently cardiology fellow at the TIMI group, Boston, MA. Currently share 13 publications.
- 1/10 – present Geoff Tison, MD MPH, currently a cardiology fellow at University of California-San Francisco. Currently share 4 publications.
- 7/12 – 1/15 Seth S. Martin, MD MS, currently faculty in the Ciccarone Center. Received Masters while my mentee. Finished the Pollin Cardiovascular Prevention Fellowship. Received multiple awards, including Blumenthal Award, Steven Blair Award, Best Poster at AHA award, Northwestern Young Investigators Forum. We have co-authored 3 funded grants. Currently share 53 publications.
- 7/12 – 1/15 Parag Joshi, MD MS, currently faculty at University of Texas Southwestern. Received Masters while my mentee. Finished the Pollin Cardiovascular Prevention Fellowship. Received multiple research distinctions. Currently share 19 publications.
- 1/13 – present Joonseok Kim, MD, currently cardiology fellow at the University of Cincinnati. Currently share 3 publications.
- 7/13 – 6/16 Haitham Ahmed, MD MPH, currently Assistant Director of Prevention at the Cleveland Clinic Foundation. Finished the Pollin Cardiovascular Prevention Fellowship. Currently share 10 publications.

7/13 – present	Seamus Whelton, MD MPH, currently faculty within the Johns Hopkins Ciccarone Center for the Prevention of Heart Disease. Received the Blumenthal Award. Have mentored 2 grant submissions currently in review. Currently share 17 publications.
7/13 – present	Rupert Hung, MD, currently a resident on the Osler Medical Service. Currently share 7 publications
7/13 – present	Gabe Shaya, MD MPH, currently an internal medicine resident at Cornell. Currently share 4 publications
7/13 – 6/15	Stephen Juraschek, MD PhD, currently an general internal medicine fellow at Johns Hopkins. Currently share 8 publications.
7/13 – 6/15	Jaideep Patel, MD, currently a hospitalist at Virginia Commonwealth University. Currently share 5 publications
7/14 – 5/16	Mahmoud Al Rifai, MD MPH, currently an internal medicine resident in Wichita, KS. Completed the ATRAC fellowship under my direction. We co-authored 1 grant submission. Currently share 12 publications.
7/14 – 6/16	Miguel Cainzos-Achirica, MD MPH, currently employed as a physician and researcher in Barcelona, Spain. Received his Masters under my mentorship (co-mentor with Eliseo Guallar). Currently share 7 publications.
7/14 – 6/16	Cathy Handy, MD MPH, currently an ACS on Osler Medical Service and an Oncology fellow at Johns Hopkins. She has received 1 grant under my mentorship. Currently share 1 publication.
8/15 – present	Sina Kianoush, MD MPH, a former ATRAC fellow under my mentorship. We have co-authored 2 successful grants. Currently share 7 publications.
8/15 – present	Martin Tibuakuu, MD MPH, a former ATRAC fellow under my mentorship. Currently share 3 publications.
3/17 – present	Hassan Mirbolouk, MD MPH, currently an ATRAC fellow under my direction. We have co-authored 1 grant submission.
8/17 – present	SM Iftekar Uddin, MBBS MSPH, currently an ATRAC fellow under my mentorship.
9/17 – present	Olusola Orimoloye, MD MSPH, currently an ATRAC fellow under my mentorship.
7/18 – present	Albert Osei, MD MSPH, currently an ATRAC fellow under my mentorship.
8/18 – present	Funmi Obisesan, currently doing MPH Capstone under my mentorship
10/18 – present	Omar Dzaye, MD PhD, currently a fellow in my laboratory.
8/19 – present	Tanuja Rajan MD MPH, currently a fellow in my laboratory.

Thesis committees

2019 – present Kayte Anderson (PhD candidate), Evaluation of PCSK9 inhibitors

Educational Program Building/Leadership NONE

Educational Demonstration Activities to external audience NONE

RESEARCH ACTIVITIES

Research Focus

- Preventive Cardiology
- Risk Prediction
- Subclinical Atherosclerosis
- Cardiac Computed Tomography
- Physical Fitness
- Electronic Cigarettes
- Mobile Health (mHealth)
- Digital Synthetic Cohort Creation

Research Program Building / Leadership

1/12 – present Director of Clinical Research, Johns Hopkins Ciccarone Center for the Prevention of Heart Disease
 Founder of the Johns Hopkins Ciccarone Center Research and Methods Conference

- Held twice monthly
- ~20 attendees per season

2015 – present Co-Chair, Cross-Cohort Collaboration (CCC).
 2017 – present Chair, Tobacco Working Group, CCC.
 2017 – present Member, Clinical Research Task Force, Division of Cardiology, Johns Hopkins.
 2020 – present Co-Director, Johns Hopkins Cardiology Research Retreat

Research Demonstration Activities NONE

Inventions, Patents, Copyrights NONE

Technology Transfer Activities NONE

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation and Quality Improvement efforts within JHMI NONE

System Innovation and Quality Improvement efforts outside of JHMI NONE

System Innovation and Quality Improvement Program Building/Leadership NONE

ORGANIZATIONAL AND EDITORIAL ACTIVITIES

Institutional Administrative Appointments

2016-present CME Advisory Board

Editorial Activities

Editorial Board appointments

2013-present Associate Editor, Diabetes and Cardiometabolic Disease Community, ACC website - acc.org

2014-2017 Associate Editor, *Atherosclerosis*

2015-present Adjunct Editor, *JACC Cardiovascular Imaging*

2018-2020 Associate Editor, *Journal of Cardiovascular Computed Tomography*

2020-present Editorial Board, *American Journal of Preventive Cardiology*

Journal Peer Review Activities

2009-present *Atherosclerosis*. (~15 per year)

2010-present *Journal of the American College of Cardiology/JACC Imaging*. (~7-10 per year)

2010-present *Circulation and Circulation Subspecialty Journals*. (~3-5 per year)

2011-present *American Heart Journal*. (~1-2 per year)

2011-present *Lancet*. (~1-2 per year).

2012-present *Journal of Cardiovascular Computed Tomography*. (~3-4 per year)

2012-present *JAMA/JAMA Internal Medicine/JAMA Cardiology*. (~6-7 per year).

2012-present *Diabetes Care*. (~1-2 per year)

2013-present *Mayo Clinic Proceedings*. (~2-3 per year)

2013-present *PLoS Med/One*. (~2-3/year)

2013-present *European Journal of Preventive Cardiology*. (~2 per year)

2013-present *American Journal of Cardiology*. (~2-3 per year)

2013-present *International Journal of Cardiovascular Imaging*. (~1-2 per year)

2013-present *Clinical Cardiology*. (~1-2 per year)

2013-present *BMC Med/Public Health*. (~2 per year).

2013-present *American Journal of Medicine*. (~1 per year)

2013-present *Journal of Clinical Lipidology*. (~2 per year)

2015-present *Journal of Diabetes and Its Complications*. (~1-2 per year)

2015-present *American Journal of Epidemiology*. (~1-2 per year)

2015-present *Journal of the American Heart Association (JAHA)*. (~3-4 per year)

2015-present *Heart*. (~1-2 per year)

2016-present *Preventive Medicine*. (~1 per year)

2019-present *American Journal of Preventive Medicine* (~2 year)

Other peer review activities

- 2012-present. Abstract Reviewer, American Heart Association (AHA) Scientific Sessions.
- 2013-present. Abstract Reviewer, American College of Cardiology (ACC) Annual Meeting.
- 2013-present CHD Review Committee, Atherosclerosis Risk in Communities Study (ARIC)
- 2014-present Publications and Presentations (P&P) Committee, Multi-Ethnic Study of Atherosclerosis (MESA)
- 2014-present. Abstract Reviewer, European Atherosclerosis Society (EAS) Annual Meeting.
- 2015-present Abstract Reviewer, American Diabetes Association (ADA) Annual Meeting.
- 2016-present Chair, Data Safety and Monitoring Board, Southern Community Cohort Study (SCCS) Polypill study
- 2017-present Abstract Reviewer, AHA Epi Scientific Sessions
- 2018-present Ancillary Study Review Committee, Jackson Heart Study

Advisory Committees, Review Groups/Study Sections

- 2015-2018 Genomics & Translational Biology Epidemiology & Observational Epidemiology – Clinical Science. American Heart Association.
- 2016-present Committee for Scientific Sessions Program, AHA (on behalf of EPI council)

Professional Societies

- 2006-present American Heart Association (member)
 - Statistics Committee, appointed member
 - Fellow-In-Training and Early Career Committee, appointed member
 - Science and Clinical Education Lifelong Learning Committee (SCILL)
 - Vice chair, 2016-2018
 - Chair, 2018-present
 - Scientific Publications Committee
- 2011-present American College of Cardiology (member)
 - ACC Cardiometabolic Alliance
 - Associate Editor, Diabetes and Cardiometabolic Disease Community, ACC website - acc.org
 - ACC-Medscape Cardiovascular Consult team
- 2011-present Society for Cardiovascular Computed Tomography (member)
 - 2011-2013 Secretary of FiRST Section
 - 2016-present Coronary Artery Calcium Guideline Committee
 - 2018-present Annual Meeting Planning Committee
- 2011-present Society of Atherosclerosis Imaging and Prevention (SAIP)
- 2011-present Society for Heart Attack Prevention and Eradication (SHAPE)
- 2014-present European Atherosclerosis Society
- 2015-present American Society for Preventive Cardiology
 - 2020-present Board Member
- 2017-present Endocrine Society
 - 2017-present Lipid Guidelines Writing Committee

Conference Organizer

- JHMI/Regional* NONE
- National* NONE
- International* NONE

Session Chair

- JHMI/Regional* NONE

National

- 2012 Invited Faculty Poster Reviewer for “CT Imaging” session. American College of Cardiology (ACC.12).
- 2012 Faculty for “Coronary Artery Calcium” and “Emerging CT Applications” sessions at Society of Cardiovascular CT (SCCT) 2012 Annual Meeting.
- 2013 Faculty for “Multi-Modality Imaging” and “Coronary Artery Calcium” sessions at Society of Cardiovascular CT (SCCT) 2013 Annual Meeting.

- 2013 Faculty for “Testing and Treatment – Cases in Men’s Health”. Men’s Health World Congress Annual Meeting. Arlington, VA.
- 2014 Poster Professor for “Lipid Lowering Trials”. American Heart Association Scientific Sessions. Chicago, IL.
- 2014 Moderator for “Atrial Fibrillation” and “Cardiovascular Risk Prediction 2013: Beyond Risk Scores”. American Heart Association Scientific Sessions 2014. Chicago, IL.
- 2015 Co-Chair. “A Seaside Chat With Experts: Experience You Have, Wisdom We Seek – Let’s Not Get Hyper”. American College of Cardiology (ACC.15) Scientific Sessions. San Diego, CA.
- 2015 Faculty for “Young Investigator Awards Competition: Physiology, Pharmacology, and Pathology” and “Hypertension: Causes, Consequences and Care”. American College of Cardiology (ACC.15) Scientific Sessions. San Diego, CA.
- 2015 Poster Professor and Grader for “Prevention”. American College of Cardiology (ACC.15) Scientific Sessions. San Diego, CA.
- 2015 Faculty moderator for “Calcium Scoring in Clinical Cardiology: Finally Accepted But What Took So Long?”. Society of Cardiovascular CT (SCCT) 2015 Annual Meeting.
- 2018 Faculty Moderator for “Elizabeth Barrett Connor Awards”, American Heart Association Scientific Sessions, 2018. Chicago, IL.

International

- 2017 Session Chair for Session: Stroke / Hypertension. CPPEI 2017 conference. Vienna, Austria.

Regulatory

2015-present Food and Drug Administration (FDA) Advisory Panels; *Appointed Special Government Employee*

- 2015-present Endocrinologic and Metabolic Drugs Advisory Committee (EMDAC)
 - 2015 Advisory Committee for approval of alirocumab (PCSK9 inhibitor)
 - 2015 Advisory Committee for approval of evolocumab (PCSK9 inhibitor)
 - 2016 Advisory Committee for relabeling of ezetimibe after IMPROVE-IT
 - 2016 *Appointment standing member of EMDAC committee, 2016-2020*
 - 2017 Advisory Committee for relabeling of liraglutide after LEADER
 - 2017 Advisory Committee for approval semaglutide
 - 2018 Joint Advisory Committee with Pediatric Advisory Committee (PACE, modified recombinant C-type Natriuretic Peptide (CNP) for achondroplasia
 - 2018 Advisory Committee, Draft Guidance for Industry, Type 2 Diabetes drugs
 - 2019 Advisory Committee, for approval of sotagliflozin for Type 1 Diabetes
 - 2019 Advisory Committee, for approval of empagliflozin for Type 1 Diabetes
- 2016 Dermatologic and Ophthalmic Drugs Advisory Committee (DODAC)
 - 2016 Advisory Committee for approval of brodalumab for psoriasis
- 2018 Arthritis Advisory Committee (AAC), Drug Safety and Risk Management (DsaRM)
 - 2018 Advisory Committee for relabeling of celecoxib after PRECISION
- 2018 Tobacco Product Scientific Advisory Committee (TPSAC)
 - 2018 Advisory Committee for MRTP status of Camel Snus
- 2019 Bone, Reproductive and Urologic Drugs Advisory Committee (BRUDAC)
 - 2019 Advisory Committee for approval of romosozumab

RECOGNITION (* indicates research awards)

Awards, Honors

- 1999 * Most Outstanding Research Award. Biosphere 2 Center, Columbia University.
- 2001 Hoffman Scholarship. Top Pre-Medical Study, twice awarded. University of Notre Dame.
Baldinger Award. Alpha Epsilon Delta Pre-Medical Honor Society. University of Notre Dame.
Valedictorian Candidate, College of Science. Top GPA. University of Notre Dame.
- 2004 Alpha Omega Alpha, Vanderbilt Chapter President.
* Burris R. Boshell Scholarship in Medicine. \$24,000 for research. Diabetes Trust Foundation
- 2005 * American Heart Association Scholarship in Cardiovascular Disease and Stroke. \$2,000.
- 2006 * Oscar Crawford Award. Top Research in Endocrinology. Vanderbilt Medical School.

- 2006 * Rudolph Kampmeier Prize. Most Outstanding Research in Medicine. Vanderbilt Medical School.
- 2010 * Top AHA Abstract in Epidemiology, American Heart Association Scientific Sessions
- 2011 * Stanley Blumenthal Award for Outstanding Research. Johns Hopkins Cardiology.
- 2011 * MESA Young Investigator Award. Awarded by the Multi-Ethnic Study of Atherosclerosis (MESA)
- 2011 * 3rd place, Clinical Research. Northwestern Young Investigators Cardiovascular Forum
- 2012 * FIT ACC “Rising Star”. Selected by the American College of Cardiology (ACC).
- 2013 * Best Abstract and Best Poster. Top 3% in scoring. ACC.13.
- 2013 * MESA Young Investigator Award. Awarded by the Multi-Ethnic Study of Atherosclerosis (MESA)
- 2013 * PJ Shafer Award, PJ Shafer Cardiovascular Research Fund (\$20,000).
- 2014 * Steven N. Blair Award for Excellence in Physical Activity Research. Awarded to mentee Seth Martin and our mActive research team. AHA EPI Council.
- 2015 * Blumenthal Scholarship. Salary support for teaching and mentoring young faculty.
- 2016 Delta Omega Alpha Chapter. Public Health Honor Society. Faculty Induction. Junior Faculty Leadership Program (JFLP). Johns Hopkins.
- 2017 *Cardiology Today* Next Generation Innovator recognition.
*AHA Paul Dudley White International Science Team Award (highest scoring abstract)
- 2018 Frederick L. Brancati Excellence in Mentoring Award. Johns Hopkins Department of Medicine.
- 2019 *Most Impactful Publication from 2018. Awarded to mentee Hassan Mirbolouk. AHA EPI Council.

Invited Talks

Grand Rounds, Keynote Addresses, and Invited Talks

JHMI/Regional

- 2012 “Comparing Coronary Artery Calcium with C-reactive Protein for Risk Prediction in Primary Prevention” for Maryland Association of Cardiovascular and Pulmonary Rehabilitation Annual Conference.
- 2013 “Lipid Lowering for Everyone, No One, or Selected Patients?”. Meritus Medical Center Grand Rounds. Hagerstown, MD.
- 2013 “The Importance of Coronary Artery Calcium Scoring”. Good Samaritan Hospital Grand Rounds. Baltimore
- 2013 Expert Panel on Cardiovascular Disease. Panel discussion on risk factors, treatments, and mortality from cardiovascular disease. Johns Hopkins School of Public Health.
- 2014 “Coronary Artery Calcium Scoring, Risk-Targeted Preventive Medicine Allocation, and the New Prevention Guidelines”. Harbor Hospital Medicine Grand Rounds. Baltimore, MD.
- 2014 “The Future of Risk Prediction in Primary Prevention – an Imaging Perspective”. Union Memorial Hospital Medicine Grand Rounds. Baltimore, MD.
- 2014 “Early Detection and Treatment of the Metabolic Syndrome”. Union Memorial Hospital Medicine Grand Rounds. Baltimore, MD.
- 2014 “Four Simple Steps For a Healthier Life”. Johns Hopkins Cardiology Community Outreach. Towson, MD.
- 2015 “Assessing the Accuracy of the New ACC/AHA Cardiovascular Risk Estimator”. Johns Hopkins Hospital Medicine Grand Rounds. Baltimore, MD.
- 2015 “Individualizing Cardiovascular Prevention Risk Guidelines with the Coronary Artery Calcium Score – A Customized Approach to Prevention”. University of Maryland Cardiology Grand Rounds. Baltimore, MD.
- 2015 “Coronary Artery Calcium and Physical Fitness – The Two Best Predictors of Survival”. Johns Hopkins Cardiology Grand Rounds. Baltimore, MD.
- 2017 “Coronary Artery Calcium: A 2017 Update”. Welch Center Grand Rounds (Johns Hopkins). Baltimore, MD.
- 2017 “An Update on PCSK9 Inhibition for the Practicing Clinician”. Anne Arundel Medical Center Medicine Grand Rounds. Annapolis, MD.
- 2018 “New Hypertension and PCSK9 Inhibitor Guidelines”. Good Samaritan Hospital Internal Medicine Grand Rounds. Baltimore, MD.
- 2018 “Electronic Cigarette Use for the Clinician – 10 Rapid Fire Questions”. Johns Hopkins Hospital Medicine Grand Rounds. Baltimore, MD.

National

- 2010 “The ABCDE Approach to the Metabolic Syndrome” for the Heart of New Ulm Project Grand Rounds, New Ulm, MN. On behalf of the Minneapolis Heart Institute.
- 2012 “Subclinical Atherosclerosis – A New Risk Scoring Paradigm”. Grand Rounds at the Minneapolis Heart Institute. Minneapolis, MN.
- 2012 “Implications of Coronary Artery Calcium Scoring” for the Heart of New Ulm Project Grand Rounds, New Ulm, MN. On behalf of the Minneapolis Heart Institute.
- 2012 “Diet, Phytosterols, and LDL Lowering” for the American College of Cardiology (ACC.12) Expert Panel Session on “LDL Management in the Difficult-to-Treat Patient”. 2012. 350 attendees.
- 2013 “Seeing is Believing – Imaging Based Disease Detection”. American Heart Association Scientific Sessions 2013. Los Angeles, CA.
- 2013 “Cardiovascular Disease: What Are the Best Surrogate Markers for Cardiac Risk Assessment in Men?” Men’s Health World Congress Annual Meeting. Arlington, VA.
- 2014 “The New ACC/AHA Prevention Guidelines – A Step Forward, Backward, or Sideways?” Meriter Hospital Medicine Grand Rounds. Madison, WI.
- 2014 “The New ACC/AHA Prevention Guidelines – A Step Forward, Backward, or Sideways?” Walter Reed Hospital Medicine Grand Rounds. Bethesda, MD.
- 2014 “The New ACC/AHA Prevention Guidelines – A Step Forward, Backward, or Sideways?” Mount Sinai Beth Israel Medicine Grand Rounds. New York, NY.
- 2014 “The New ACC/AHA Prevention Guidelines – A Step Forward, Backward, or Sideways?”. Reading Hospital, Reading Hospital System Medicine Grand Rounds. Reading, PA.
- 2014 “Understanding the Use of Statins in the New ACC/AHA Prevention Guidelines”. Einstein Hospital, Einstein Healthcare Network Medicine Grand Rounds. Philadelphia, PA.
- 2014 “Important Lessons from the St. Francis Heart Study”. Baptist Health South Florida 12th Annual Cardiovascular Disease Prevention International Symposium. Miami, FL.
- 2014 “The New Prevention Guidelines: A Step Forward, Sideways, or Backward?”. American College of Cardiology 2014 (ACC.14). Plenary Session. Washington DC.
- 2014 “Predictors of Heart Failure with Preserved Ejection Fraction” Multi-Ethnic Study of Atherosclerosis Steering Committee. Arlington, VA.
- 2014 “Changing Views Toward Clinical CVD Risk Prediction – Rationale, History, and the Modern Problem of Overestimation”. American Association of Insurance Medicine (AAIM) Annual Conference. Philadelphia
- 2014 “CAC as a Potential ‘Game-Changer’ in Primary Prevention”. American Heart Association Scientific Sessions 2014. Chicago, IL.
- 2015 “Making the Case for Routine Coronary Artery Calcium Testing”. Emory Radiology Grand Rounds. Emory University Department of Radiology. “Coronary Artery Calcium in Radiology and Cardiology Clinical Practice – What You Need to Know”. Emory Radiology Fellow’s Conference. Emory University Department of Radiology. Atlanta, GA.
- 2015 “Personalizing the New Prevention Guidelines with the Coronary Artery Calcium Score – Customized Approach to Primary Prevention”. University of Pennsylvania Endocrinology Grand Rounds. Philadelphia
- 2015 “The New ACC/AHA Prevention Guidelines – In Need of Personalization?”. Mt. Sinai Roosevelt St. Luke’s Cardiology Grand Rounds. New York, NY.
- 2015 “Updates on CAC Scoring on ASCVD Risk Assessment in Light of 2013 ACC/AHA Guidelines”. Society of Cardiovascular Computed Tomography. Las Vegas, NV.
- 2015 “Prognosis: Long-term Mortality Findings Following CAC in Asymptomatics”. Society of Cardiovascular Computed Tomography. Las Vegas, NV.
- 2016 “Personalizing the 2013 ACC/AHA Prevention Guidelines”. UMASS Cardiology Grand Rounds. Worcester, MA.
- 2016 “Calcium Scoring Should Be Used In Intermediate Risk Patients Before Statin Initiation – PRO”. Great Debates in Imaging. American College of Cardiology (ACC.16).
- 2016 “ASCVD Calculator – Not Ready for Prime Time”. From Risk Assessment - Applying the Tools in Clinical Practice. American College of Cardiology (ACC.16).
- 2016 “Asymptomatic Patient: Coronary Calcium Testing and Current Risk Assessment Guidelines”. American College of Cardiology (ACC.16).
- 2016 “Estimating Life Expectancy Based on Coronary Calcium – Studies of 10-15 Year Follow-Up”. Society of Cardiovascular Computed Tomography. Orlando, FL.

- 2016 “The Pooled Risk Equations and Coronary Artery Calcium for Risk Stratification”. Society of Cardiovascular Computed Tomography. Orlando, FL.
- 2016 “10-Year Coronary Heart Disease Risk Prediction Using Coronary Artery Calcium and Traditional Risk Factors: Experience From MESA”. American Heart Association Scientific Sessions 2016. New Orleans, LA.
- 2017 “Risk Prediction with Non-Contrast Cardiac CT: A 2017 Update”. Northwestern Cardiology Grand Rounds. Chicago, IL.
- 2017 “Personalizing the Prevention Guidelines with Cardiac CT”. Cornell Cardiology Grand Rounds. New York
- 2017 “The Asymptomatic Patient: Risk Factor Score or Calcium Score?”. American College of Cardiology 2017 (ACC.17). Washington, DC.
- 2017 “Risk Assessment in Primary Prevention of ASCVD - Optimal Risk Assessment Includes Coronary Artery Calcium Scoring”. American College of Cardiology 2017 (ACC.17). Washington, DC.
- 2017 “Coronary Artery Calcium – Refining Risk Estimates and Defining Treatment”. National Lipid Association (NLA) Annual Scientific Sessions. Philadelphia, PA.
- 2018 “The Impact of Cardiac Imaging in Assessing Coronary Heart Disease Risk - The Mature Field of Coronary Artery Calcium in Clinical Practice”. Managing Cardiometabolic Risk: Practical Considerations and Emerging Approaches. Preconference Symposia and the Endocrine Society 2018. Chicago, IL.
- 2018 “Plaque Imaging in Clinical Practice”. National Lipid Association (NLA) Fall Sessions. Nashville, TN.
- 2018 “The central role of CVOTs in cardiovascular medicine: Implications for evaluation of obesity drugs”. Novo Nordisk Fall Medical Affairs National Meeting. Wheeling, IL.

International

- 2013 “Qual a nova fronteira: lipids, inflamacio, Resistencia insulinica?” I Simposio Internacional Em Epidemiologia Cardiovascular. Sao Paulo, Brazil.
- 2013 “Non-Contrast CT in Observational Studies”. I Simposio Internacional Em Epidemiologia Cardiovascular. Sao Paulo, Brazil.
- 2013 “Statins for Everyone?” Brazilian Society of Cardiology Congress. Sao Paulo, Brazil.
- 2013 “Where do the Research Questions in CT Come From?” Society of Cardiovascular Computed Tomography. Montreal, Canada.
- 2013 “Experts Debate – Does Lipid Therapy Change in the Setting of a Normal CTA”. Society of Cardiovascular Computed Tomography. Montreal, Canada. 2013.
- 2013 “CAC, CIMT, and Serum Biomarkers”. Society of Cardiovascular Computed Tomography. Montreal, Canada.
- 2017 “Short and Long Term Prognosis after Coronary Artery Calcium Scoring In Pre-Elderly and Elderly Patients”. CPPEI 2017 conference. Vienna, Austria. 2017
- 2019 “How to Improve Prognostic Value of CAC: Going Beyond the Agatston Score”. SCCT Winter 2019 conference. Dublin, Ireland. 2019

OTHER PROFESSIONAL ACCOMPLISHMENTS NONE