

CURRICULUM VITAE FOR ACADEMIC PROMOTION

The Johns Hopkins University School of Medicine

Rebecca F. Gottesman, MD PhD

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DEMOGRAPHIC INFORMATION

Current Appointments

2017-present Professor, Departments of Neurology and Epidemiology, Johns Hopkins University
2012-present Director of Research, Johns Hopkins Bayview Neurology, Johns Hopkins University
2013-present Core Faculty, Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University

Personal Data

Cerebrovascular Neurology	(Bayview office)
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Education and Training

Undergraduate

1995 B.A., Psychology, Columbia College, Columbia University, New York, NY (magna cum laude)

Doctoral/ graduate

2000 M.D., Columbia College of Physicians and Surgeons, Columbia University, New York, NY
2007 Ph.D., Clinical Investigation, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD

Postdoctoral

2000-2001 Intern, Internal Medicine (preliminary), Johns Hopkins Bayview Medical Center, Baltimore, MD
2001-2004 Resident, Neurology, Johns Hopkins Hospital, Baltimore, MD
2004-2006 Clinical and Research Fellow, Cerebrovascular Neurology, Johns Hopkins Hospital, Baltimore, MD

Professional Experience

2006-2007 Instructor, Neurology, Johns Hopkins University School of Medicine, Baltimore, MD
2007-2011 Assistant Professor, Neurology, Johns Hopkins University School of Medicine, Baltimore, MD
2009-2012 Director of Clinical Research, Neurology, Johns Hopkins Bayview, Baltimore, MD
2009-2013 Associate Faculty, Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University, Baltimore, MD
2011-2017 Associate Professor, Neurology, Johns Hopkins University School of Medicine, Baltimore, MD
2011-2017 Associate Professor, Epidemiology (Joint Appointment), Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
2012-present Director of Research, Neurology, Johns Hopkins Bayview, Baltimore, MD
2013-present Core Faculty, Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University, Baltimore, MD
2017-present Professor, Neurology and Epidemiology, Johns Hopkins University, Baltimore, MD

RESEARCH ACTIVITIES

Peer-reviewed Research Publications

1. Sharp WS, **Gottesman RF**, Greenstein DK, Ebens CL, Rapoport JL, Castellanos FX. Monozygotic twins discordant for attention-deficit/hyperactivity disorder: ascertainment and clinical characteristics. *J Am Acad Child Adolescent Psychiatry*. 2003;42(1): 93-97.
2. Castellanos FX, Sharp WS, **Gottesman RF**, Greenstein DK, Giedd JN, Rapoport JL. Anatomic brain abnormalities in monozygotic twins discordant for Attention Deficit Hyperactivity Disorder. *Am J Psychiatry*. 2003;160:1693-1696.
3. Hillis AE, Kleinman J, Newhart M, Heidler-Gary J, **Gottesman RF**, Barker PB, Aldrich EA, Llinas R, Wityk R, Chaudhry P. Restoring cerebral blood flow reveals neural regions critical for naming. *J Neuroscience*. 2006;26(31): 8069-8073.
4. **Gottesman RF**, Sherman PM, Grega MA, Yousem DM, Selnes OA, Baumgartner WA, McKhann GM. Watershed strokes after cardiac surgery: Diagnosis, Etiology, and Outcome. *Stroke*. 2006; 37: 2306-2311.
5. **Gottesman RF**, Alt J, Wityk RJ, Llinas RH. Predicting abnormal coagulation in ischemic stroke: Reducing delay in rt-PA use. *Neurology*. 2006; 67(9): 1665-1667.
6. Heidler-Gary J, **Gottesman RF**, Newhart M, Chang S, Ken L, Hillis AE. Utility of behavioral versus cognitive measures in differentiating between subtypes of frontotemporal lobar degeneration and Alzheimer's disease. *Dementia and Geriatric Cognitive Disorders*. 2007; 23(3):184-193.
7. Kleinman JT, Newhart M, Davis C, Heidler-Gary J, **Gottesman RF**, Hillis AE. Right hemispatial neglect: Frequency and characterization following acute left hemisphere stroke. *Brain Cognition*. 2007; 64: 50-59.
8. Jordan LC, Van Beek JGM, **Gottesman RF**, Kossoff EH, Johnston MV. Ischemic stroke in children with critical illness: a poor prognostic sign. *Pediatric Neurology*. 36(4): 2007; 244-246.
9. DeLeon J, **Gottesman RF**, Kleinman JT, Newhart M, Davis C, Heidler-Gary J, Lee A, Hillis AE. Neural regions essential for distinct cognitive processes underlying picture naming. *Brain*. 2007; 130: 1408-1422.
10. **Gottesman RF**, Hillis AE, Grega MA, Borowicz LM, Selnes OA, Baumgartner WA, McKhann GM. Early postoperative cognitive dysfunction and blood pressure during coronary artery bypass graft operation. *Arch Neurol*. 2007; 64(8):1111-1114.
11. Philipose LE, **Gottesman RF**, Newhart M, Kleinman JT, Herskovits EH, Pawlak MA, Marsh EB, Davis C, Heidler-Gary J, Hillis AE. Neural regions essential for reading and spelling of words and pseudowords. *Ann Neurol*. 2007; 62(5): 481-92.
12. Kleinman J, **Gottesman RF**, Davis C, Newhart M, Heidler-Gary J, Hillis AE. Gender differences in unilateral spatial neglect within 24 hours of ischemic stroke. *Brain Cognition*. 2008; 68(1): 49-52.
13. Hillis AE, Gold L, Kannan V, Cloutman L, Kleinman JT, Newhart M, Heidler-Gary JE, Davis CL, Aldrich E, Llinas R, **Gottesman RF**. Site of the ischemic penumbra as a predictor of potential for recovery of functions. *Neurology*. 2008; 71(3): 184-189.
14. **Gottesman RF**, Kleinman JT, Davis C, Heidler-Gary JE, Newhart M, Kannan V, Hillis AE. Unilateral neglect is more severe and common in older patients with right-hemispheric stroke. *Neurology*. 2008; 71(18): 1439-1444.
15. Lin DDM, Kleinman JT, Wityk RJ, **Gottesman RF**, Hillis AE, Lee AW, Barker PB. Crossed cerebellar diaschisis in acute stroke detected by dynamic susceptibility contrast MR perfusion imaging. *Am J Neuroradiology*. 2009; 30(4): 710-715.
16. Aldrich EM, Lee AW, Chen CS, **Gottesman RF**, Bahouth MN, Gailloud P, Murphy K, Wityk R, Miller NR. Local intraarterial fibrinolysis administered in aliquots for the treatment of central retinal artery occlusion: the Johns Hopkins Hospital experience. *Stroke*: 2008; 39(6): 1746-50.
17. Cloutman L, **Gottesman R**, Chaudhry P, Davis C, Kleinman JT, Pawlak M, Herskovits EH, Kannan V, Lee A, Newhart M, Heidler-Gary J, Hillis AE. Where (in the brain) do semantic errors come from? *Cortex*. 2009; 45(5): 641-649.
18. Turtzo LC, **Gottesman RF**, Llinas RH. Diffusion weighted imaging showing "pearls" predict large vessel disease as stroke etiology. *Cerebrovascular Diseases*, 2009; 28(1): 49-54.
19. **Gottesman RF**, Cumiskey C, Chambless L, Wu KK, Aleksic N, Folsom AR, Sharrett AR. Hemostatic factors and subclinical brain infarction in a community-based sample: The ARIC study. *Cerebrovascular Diseases*. 2009; 28(6): 589-594.
20. Shirani P, Thorn J, Davis C, Heidler-Gary J, Newhart M, **Gottesman RF**, Hillis AE. Severity of hypoperfusion in distinct brain regions predicts severity of hemispatial neglect in different reference frames. *Stroke*. 2009; 40(11): 3563-3566.

21. Rose KM, Couper D, Eigenbrodt ML, Mosley TH, Sharrett AR, **Gottesman RF**. Orthostatic hypotension and cognitive function: The Atherosclerosis Risk in Communities (ARIC) Study. *Neuroepidemiology*. 2009; 34(1): 1-7.
22. Alonso A, Mosley T, **Gottesman R**, Catellier D, Sharrett AR, Coresh J. Risk of dementia hospitalization associated with cardiovascular risk factors in midlife and older age: the Atherosclerosis Risk in Communities (ARIC) study. *J Neurol Neurosurg Psychiatry*. 2009; 80(11): 1194-1201.
23. **Gottesman RF**, Kleinman JT, Davis C, Heidler-Gary J, Newhart M, Hillis AE. The NIHSS-Plus: Improving cognitive assessment with the NIHSS. *Behavioural Neurology*. 2009-2010; 22(1-2): 11-15.
24. **Gottesman RF**, Grega MA, Bailey MM, Zeger SL, Baumgartner WA, McKhann GM, Selnes OA. Association between hypotension, low ejection fraction and cognitive performance in cardiac patients. *Behavioural Neurology*. 2009-2010; 22(1-2): 63-71.
25. **Gottesman RF**, Coresh J, Catellier DJ, Sharrett AR, Rose KM, Coker LH, Shibata DK, Knopman DS, Jack CR, Mosley TH. Blood Pressure and White Matter Disease Progression in a Biethnic Cohort: The Atherosclerosis Risk in Communities (ARIC) Study. *Stroke*. 2010; 41(1): 3-8.
26. **Gottesman RF**, Grega MA, Bailey MM, Pham LD, Zeger SL, Baumgartner WA, Selnes OA, McKhann GM. Delirium after Coronary Artery Bypass Graft Surgery and Late Mortality. *Ann Neurol*. 2010; 67(3): 338-344.
27. Davis CL, Heidler-Gary J, **Gottesman RF**, Crinion J, Newhart M, Moghekar A, Solomon D, Rigamonti D, Cloutman L, Hillis AE. Action versus animal naming fluency in subcortical dementia, frontal dementias, and Alzheimer's disease. *Neurocase*. 2010; 16(3): 259-266.
28. Budd MA, Kortte K, Cloutman L, Newhart M, **Gottesman RF**, Davis C, Heidler-Gary J, Seay MW, Hillis AE. The nature of naming errors in primary progressive aphasia versus acute post-stroke aphasia. *Neuropsychology*. 2010; 24(5): 581-589.
29. DeBette S, Bis JC, Fornage M, Schmidt H, Ikram MA, Sigurdsson S, Heiss G, Struchalin M, Smith AV, van der Lugt A, Decarli C, Lumley T, Knopman DS, Enzinger C, Eiriksdottir G, Koudstaal PJ, Destefano AL, Psaty BM, Dufouil C, Catellier DJ, Fazekas F, Aspelund T, Aulchenko YS, Beiser A, Rotter JI, Tzourio C, Shibata DK, Tscherner M, Harris TB, Rivadeneira F, Atwood LD, Rice K, **Gottesman RF**, van Buchem MA, Uitterlinden AG, Kelly-Hayes M, Cushman M, Zhu Y, Boerwinkle E, Gudnason V, Hofman A, Romero JR, Lopez O, van Duijn CM, Au R, Heckbert SR, Wolf PA, Mosley TH, Seshadri S, Breteler MM, Schmidt R, Launer LJ, Longstreth WT Jr. Genome-Wide Association Studies of MRI-defined brain infarcts. Meta-analysis from the CHARGE consortium. *Stroke*. 2010; 41(2): 210-217.
30. **Gottesman RF**, Bahrainwala Z, Wityk RJ, Hillis AE. Neglect is more common and severe at extreme hemoglobin levels in right-hemispheric stroke. *Stroke*. 2010; 41(8): 1641-1645.
31. Yatsuya H, Folsom AR, Alonso A, **Gottesman RF**, Rose KM. Postural changes in blood pressure and incidence of ischemic stroke subtypes: the ARIC study. *Hypertension*. 2011; 57(2): 167-173.
32. Pathan S, **Gottesman RF**, Mosley Jr T, Knopman D, Sharrett AR, Alonso A. Association of lung function with cognitive decline and dementia: The Atherosclerosis Risk in Communities (ARIC) Study. *Eur J Neurology*; 2011; 57(2): 167-173.
33. Bahrainwala ZS, Grega MA, Hogue CW, Baumgartner WA, Selnes OA, **Gottesman RF**. Intraoperative hemoglobin levels and transfusion independently predict stroke after cardiac surgery. *Ann Thoracic Surg*. 2011; 91(4): 1113-1118.
34. Christman AL, Matsushita K, **Gottesman RF**, Mosley T, Alonso A, Coresh J, Hill-Briggs F, Sharrett AR, Selvin E. Glycated haemoglobin and cognitive decline: The Atherosclerosis Risk in Communities (ARIC) Study. *Diabetologia*; 2011; 54(7): 1645-52.
35. Fornage M, DeBette S, Bis JC, Schmidt H, Ikram MA, Dufouil C, Sigurdsson S, Lumley T, Destefano AL, Fazekas F, Vrooman HA, Shibata DK, Maillard P, Zijdenbos A, Smith AV, Gudnason H, de Boer R, Cushman M, Mazoyer B, Heiss G, Vernooij MW, Enzinger C, Glazer NL, Beiser A, Knopman DS, Cavaliere M, Niessen WJ, Harris TB, Petrovic K, Lopez OL, Au R, Lambert JC, Hofman A, **Gottesman RF**, Garcia M, Heckbert SR, Atwood LD, Catellier DJ, Uitterlinden AG, Yang Q, Smith NL, Aspelund T, Romero JR, Rice K, Taylor KD, Nalls MA, Rotter JI, Sharrett R, van Duijn CM, Amouyel P, Wolf PA, Gudnason V, van der Lugt A, Boerwinkle E, Psaty BM, Seshadri S, Tzourio C, Breteler MM, Mosley TH, Schmidt R, Longstreth WT, Decarli C, Launer LJ. Genome-wide association studies of cerebral white matter lesion burden: The CHARGE consortium. *Annals of Neurology*, 2011; 69(6): 928-939.
36. Bezerra DC, Sharrett AR, Matsushita K, **Gottesman RF**, Shibata D, Mosley TH, Coresh J, Szklo M, Sa Carvalho M, Selvin E. Risk factors for lacune subtypes in the Atherosclerosis Risk in Communities (ARIC) Study. *Neurology*; 2012; 78(2): 102-8.

37. Hoesch RE, Lin E, Young M, **Gottesman RF**, Altaweel L, Nyquist PA, Stevens RD. Acute lung injury in comatose patients with critical neurologic illness. *Critical Care Medicine*; 2012: 40(2): 587-93.
38. Michos ED, Reis JP, Post WS, Lutsey PL, **Gottesman RF**, Mosley TH, Sharrett AR, Melamed ML. 25(OH)D deficiency is associated with fatal stroke among whites but not blacks: The NHANES-III linked mortality files. *Nutrition*, 2012; 28(4): 367-371.
39. Newhart M, Trupe LA, Gomez Y, Cloutman L, Molitoris JJ, Davis C, Leigh R, **Gottesman RF**, Race D, Hillis AE. Asyntactic comprehension, working memory, and acute ischemia in Broca's area versus angular gyrus. *Cortex*, 2012; 48(10): 1288-1297.
40. Joshi B, Ono M, Brown C, Brady K, Easley RB, Yenokyan G, **Gottesman RF**, Hogue CW. Predicting the limits of cerebral autoregulation during cardiopulmonary bypass. *Anesthesia Analgesia*, 2012;114(3):503-510
41. **Gottesman RF**, Sojkova J, Beason-Held LL, An Y, Longo DL, Ferrucci L, Resnick SM. Patterns of regional cerebral blood flow associated with low hemoglobin in the Baltimore Longitudinal Study of Aging. *Journal of Gerontology: Medical Sciences*, 2012: 67(9): 963-969.
42. Chik Y, **Gottesman RF**, Zeiler S, Rosenberg J, Llinas RH. Differentiation of transverse sinus thrombosis from congenitally atretic cerebral transverse sinus with CT. *Stroke*, 2012: 43(7): 1968-1970.
43. Schneider ALC, Sharrett AR, Patel MD, Alonso A, Coresh J, Mosley T, Selnes O, Selvin E, **Gottesman RF**. Education and cognitive change over 15 years: The ARIC Study. *J Am Geriatrics Soc*, 2012: 60(10):1847-53
44. **Gottesman RF**, Sharma P, Robinson KA, Arnan M, Tsui, M, Saber-Tehrani A, Newman-Toker DE. Imaging characteristics of symptomatic vertebral artery dissection: A systematic review. *Neurologist*, 2012: 18(5): 255-260.
45. **Gottesman RF**, Sharma P, Robinson KA, Arnan M, Tsui M, Ladha K, Newman-Toker DE. Clinical characteristics of symptomatic vertebral artery dissection. A systematic review. *Neurologist*, 2012:18(5):245-254.
46. Schneider AL, **Gottesman RF**, Mosley T, Alonso A, Knopman DS, Coresh J, Sharrett AR, Selvin E. Cognition and Incident Dementia Hospitalization: Results from the Atherosclerosis Risk in Communities Study. *Neuroepidemiology*, 2012: 40(2): 117-124.
47. Winston GJ, Palmas W, Lima J, Polak FJ, Bertoni AG, Burke G, Eng J, **Gottesman RF**, Shea S. Pulse pressure and subclinical cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis. *Am J Hypertension*; 2013: 26(5): 636-642.
48. Beaty CA, Arnaoutakis GJ, Grega MA, Robinson CW, George TJ, Baumgartner WA, **Gottesman RF**, McKhann GM, Cameron DE, Whitman GJ. The role of head computed tomography imaging in the evaluation of postoperative neurologic deficits in cardiac surgery patients. *Ann Thoracic Surg*; 2013: 95(2): 548-554.
49. Trupe LA, Varma DD, Gomez Y, Race D, Leigh R, Hillis AE, **Gottesman RF**. Chronic apraxia of speech and "Broca's area." *Stroke*; 2013: 44(3): 740-744.
50. Folsom AR, Nambi V, Bell EJ, Oluleye OW, **Gottesman RF**, Lutsey PL, Huxley RR, Ballantyne CM. Troponin T, NT-pro BNP, and Incidence of Stroke: The Atherosclerosis Risk in Communities (ARIC) Study. *Stroke*; 2013: 44(4): 961-967.
51. Marsh E, Llinas R, Hillis A, **Gottesman RF**. Hemorrhagic transformation in patients with acute ischemic stroke and an indication for anticoagulation. *Eur J Neurol*; 2013: 20(6): 962-7.
52. Marsh EB, **Gottesman RF**, Hillis AE, Urrutia VC, Llinas RH. Serum creatinine may indicate risk of symptomatic intracranial hemorrhage after IV tPA. *Medicine*; 2013: 92(6): 317-323.
53. Thacker EL, McKnight B, Psaty BM, Longstreth Jr WT, Sitlani CM, Dublin S, Arnold AM, Fitzpatrick AL, **Gottesman RF**, Heckbert SR. Atrial fibrillation and longitudinal decline: a longitudinal cohort study. *Neurology*; 2013: 81(2): 119-125.
54. Dadu RT, Fornage M, Virani SS, Nambi V, Hoogeveen RC, Boerwinkle E, Alonso A, **Gottesman RF**, Mosley TH, Ballantyne CM. Cardiovascular biomarkers and subclinical brain disease in the Atherosclerosis Risk in Communities (ARIC) Study. *Stroke*; 2013: 44(7): 1803-1808
55. Leigh R, Oishi K, Hsu J, Lindquist M, **Gottesman RF**, Jarso S, Crainiceanu C, Mori S, Hillis AE. Acute lesions that impair affective empathy. *Brain*; 2013: 136(Pt 8): 2539-2549.
56. Suchy-Dacey AM, Wallace ER, Elkind M, Aguilar M, **Gottesman RF**, Rice K, Kronmal R, Psaty BM, & Longstreth Jr WT. Blood pressure variability and the risk of all-cause mortality, incident myocardial infarction, and incident stroke in the Cardiovascular Health Study. *Am J Hypertension*; 2013;26(10):1210-17
57. Naorunroj S, Slade G, Beck J, Mosley TH, **Gottesman RF**, Alonso A, Heiss G. Cognitive decline and oral health in middle-aged adults in the ARIC study. *J Dental Research*; 2013: 92(9): 795-801.
58. Hamedani AG, Rose KM, Peterlin BL, Mosley TH, Coker LH, Jack CR, Knopman DS, Alonso A,

- Gottesman RF**. Migraine and white matter hyperintensities: the ARIC MRI study. *Neurology*; 2013; 81(15): 1308-1313.
59. Peterlin BL, Rosso AL, Williams MA, Rosenberg JR, Haythornthwaite JA, Merikangas KR, **Gottesman RF**, Bond DS, He J-P, Zonderman AB. Episodic migraine and obesity and the influence of age, race, and sex. *Neurology*; 2013; 81(15): 1314-1321.
60. Ono M, Brown C, Lee-Summers J, **Gottesman RF**, Kraut M, Black J, Shah A, Cameron DE, Baumgartner W, Hogue CW. Cerebral blood flow autoregulation is preserved after hypothermic circulatory arrest. *Ann Thoracic Surgery*; 2013; 96(6): 2045.
61. Ono M, Brady K, Easley RB, Brown C, Kraut M, **Gottesman RF**, Hogue CW. Duration and magnitude of blood pressure below cerebral autoregulation threshold during cardiopulmonary bypass is associated with major morbidity and operative mortality. *J Thoracic Cardiovascular Surg*; 2014; 147(1): 483-489.
62. Naorungroj S, Schoenbach VJ, Beck J, Mosley TH, **Gottesman RF**, Alonso A, Heiss G, Slade GD. Cross-sectional associations of oral health measures with cognitive function in late-middle aged adults: A community-based study. *J Am Dental Assn*; 2013; 144(12): 1362-1371.
63. Ibrahim-Verbaas CA, Fornage M, Bis JC, Choi SH, Psaty BM, Meigs JB, Rao M, Nalls M, Fontes JD, O'Donnell CJ, Kathiresan S, Ehret GB, Fox CS, Malik R, Dichgans M, Schmidt H, Lahti J, Heckbert SR, Lumley T, Rice K, Rotter JI, Taylor KD, Folsom AR, Boerwinkle E, Rosamond WD, Shahar E, **Gottesman RF**, Koudstaal PJ, Amin N, Wieberdink RG, Dehghan A, Hofman A, Uitterlinden AG, DeStefano AL, Debette S, Xue L, Beiser A, Wolf PA, DeCarli C, Ikram MA, Seshadri S, Mosley TH, Longstreth WT, van Duijn CM, Launer LJ. Predicting stroke through genetic risk functions: The CHARGE risk score project. *Stroke*; 2014; 45(2):403-412.
64. Brown CH 4th, Grega M, Selnes OA, McKhann GM, Shah AS, LaFlam A, Savage WJ, Frank SM, Hogue CW, **Gottesman RF**. Length of red-cell unit storage and risk for delirium after cardiac surgery; *Anesthesia Analgesia*; 2014; 119(2): 242-250.
65. Nyquist P, Yanek L, Vaidya D, **Gottesman RF**, Kral B, Bilgel M, Cuzzocero J, Prince J, Becker L, Becker D. Extreme white matter hyperintensity volumes are associated with African American race. *Cerebrovascular Diseases*; 2014; 37(4): 244-250.
66. Huxley RR, Bell EJ, Lutsey PL, Bushnell C, Shahar E, Rosamond WD, **Gottesman R**, Folsom AR. A comparative analysis of risk factors for stroke in blacks and whites: The Atherosclerosis Risk in Communities (ARIC) Study. *Ethnicity and Health*; 2014; 19(6): 601-616.
67. Hanff TC, Sharrett AR, Mosley TH, Shibata D, Knopman DS, Klein R, Klein BEK, **Gottesman RF**. Retinal microvascular abnormalities predict progression of brain microvascular disease: An ARIC MRI study. *Stroke*; 2014; 45(4): 1012-1017.
68. Bahrainwala ZS, Hillis AE, Dearborn J, **Gottesman RF**. Neglect performance in acute stroke is related to severity of white matter hyperintensities. *Cerebrovascular Diseases*; 2014; 37(3): 223-230.
69. **Gottesman RF**, Rawlings AM, Sharrett AR, Albert M, Alonso A, Bandeen-Roche K, Coker LH, Coresh J, Couper DJ, Griswold ME, Heiss G, Knopman DS, Patel MD, Penman AD, Power MC, Selnes OA, Schneider ALC, Wagenknecht LE, Windham BG, Wruck LM, Mosley Jr TH. Impact of differential attrition in the association of education with cognitive change over 20 years of follow-up: The ARIC-Neurocognitive Study. *American Journal of Epidemiology*; 2014; 179(8): 956-966.
70. Ferket BS, van Kempen BJH, Wieberdink RG, Steyerberg EW, Koudstaal PJ, Hofman A, Shahar E, **Gottesman RF**, Rosamond W, Kizer J, Kronmal R, Psaty B, Longstreth Jr WT, Mosley T, Folsom A, Hunink MGM. Separate prediction of intracerebral hemorrhage and ischemic stroke. *Neurol*. 2014;82(20):1804-12
71. Schneider ALC, Rawlings AM, Sharrett AR, Alonso A, Mosley TH, Hoogeveen RC, Ballantyne CM, **Gottesman RF**, Selvin E. High-sensitivity cardiac troponin (hs-cTnT) and cognitive function and dementia risk: the Atherosclerosis Risk in Communities Study. *Eur Heart J*; 2014; 35(27): 1817-1824.
72. Dearborn JL, Knopman D, Sharrett AR, Schneider ALC, Jack CR, Coker LH, Alonso A, Selvin E, Mosley TH, Wagenknecht LE, Windham BG, **Gottesman RF**. The metabolic syndrome and 6-year cognitive decline in the Atherosclerosis Risk in Communities Study (ARIC). *Dementia and Geriatric Cognitive Disorders*; 2014; 38(5-6): 337-346.
73. Schneider ALC, Sharrett AR, **Gottesman RF**, Coresh J, Coker L, Wruck L, Selnes OA, Deal J, Knopman D, Mosley TH. Normative data for eight common neuropsychological tests for blacks and whites from the Atherosclerosis Risk in Communities (ARIC) Study. *Alzheimer's Disease and Associated Disorders*; 2015; 29(1): 32-44.
74. Kim DS, Crosslin DR, Auer PL, Suzuki SM, Marsillach J, Burt AA, Gordon AS, Meschia JF, Nalls MA,

- Worrall BB, Longstreth Jr WT, **Gottesman RF**, Furlong CE, Peters U, Rich SS, Nickerson DA, Jarvik GP. Rare coding variation in paraoxonase-1 is associated with ischemic stroke in the NHLBI exome sequencing project. *J Lipid Research*, 2014; 55(6): 1173-1178.
75. Marsh EB, **Gottesman RF**, Hillis AE, Maygers J, Lawrence E, Llinas RH. Predicting symptomatic intracerebral hemorrhage versus lacunar disease in patients with longstanding hypertension. *Stroke*, 2014; 45(6): 1679-1683.
76. Mahmoodi BK, Yatsuya H, Matsushita K, Sang Y, **Gottesman RF**, Astor BC, Woodward M, Longstreth Jr WT, Psaty BM, Shlipak MG, Folsom AR, Gansevoort RT, Coresh J. Association of kidney disease measures with ischemic versus hemorrhagic strokes: Pooled analyses of 4 prospective community-based cohorts. *Stroke*, 2014; 45(7): 1925-1931.
77. Schneider ALC, Lutsey PL, Alonso A, **Gottesman RF**, Sharrett AR, Carson KA, Post WS, Knopman DS, Mosley TH, Michos ED. Vitamin D and cognitive function and dementia risk in a biracial cohort: the ARIC Brain Ancillary Study. *Eur J Neurol*. 2014; 21(9): 1211-1218.
78. Michos E, Carson KA, Schneider ALC, Lutsey PL, Xing L, Sharrett AR, Alonso A, Coker LH, Gross M, Post W, Mosley TH, **Gottesman RF**. Vitamin D and subclinical cerebrovascular disease. The Atherosclerosis Risk in Communities Brain Magnetic Resonance Imaging Study. *JAMA Neurology*, 2014; 71(7): 863-871.
79. **Gottesman RF**, Schneider ALC, Albert M, Alonso A, Bandeen-Roche K, Coker L, Coresh J, Knopman D, Power MC, Rawlings A, Sharrett AR, Wruck LM, Mosley TH. Midlife hypertension and 20-year cognitive change: The Atherosclerosis Risk in Communities (ARIC) Neurocognitive Study. *JAMA Neurology*, 2014; 71(10): 1218-1227.
80. Bis JC, DeStefano A, Liu X, Brody JA, Hoan Choi S, Verhaaren BFJ, Dobbins S, Ikram MA, Shahar E, Butler KR, **Gottesman RF**, Muzny D, Kovar CL, Psaty BM, Hofman A, Lumley T, Gupta M, Wolf PA, van Duijn C, Gibbs RA, Mosley TH, Longstreth WT, Boerwinkle E, Seshadri S, Fornage M. Associations of NINJ2 sequence variants with incident ischemic stroke in the Cohorts for Heart and Aging in Genomic Epidemiology (CHARGE) Consortium. *PLOS ONE*, 2014; 9(6): e99768.
81. Wennberg AMV, **Gottesman RF**, Kaufmann CN, Albert MS, Chen-Edinboro L, Rebok GW, Kasper JD, Spira AP. Diabetes and cognitive outcomes in a nationally representative sample: The National Health and Aging Trends Study. *International Psychogeriatrics*, 2014 July 30: 1-7.
82. Dara C, Bang J, **Gottesman RF**, Hillis AE. Right hemisphere dysfunction is better predicted by emotional prosody impairments as compared to neglect. *J Neurol Translational Neurosci*. 2014; 2(1): 1037.
83. Hori D, Brown C, Ono M, Rappold T, Sieber F, Gottschalk A, Neufeld KJ, **Gottesman R**, Adachi H, Hogue CW. Arterial pressure above the upper cerebral autoregulation limit during cardiopulmonary bypass is associated with postoperative delirium. *Brit J Anaesthesia*. 2014; 113(6): 1009-1017.
84. Chen LY, Lopez FL, **Gottesman RF**, Huxley RR, Agarwal SK, Loehr L, Mosley T, Alonso A. Atrial fibrillation and cognitive decline—The role of subclinical cerebral infarcts: The ARIC Study. *Stroke*, 2014; 45(9): 2568-2574.
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Inventions, Patents, Copyrights Not applicable

Extramural Sponsorship

Current Grants:

9/15/11-6/30/21	The ARIC-PET Amyloid Imaging Study 2R01AG040282-06 NIH/NIA Role: PI
4/1/16-3/31/21	The ARIC Study of midlife sleep and late-life brain amyloid RF1 AG050745 NIH/NIA PI: Spira, Gottesman (15%) Role: PI
9/1/16-8/31/21	Neuroepidemiology of the vascular contribution to cognitive impairment and Alzheimer’s disease K24 AG052573 NIH/NIA Role: PI
1/15/99-8/14/23	Multi-Ethnic Study of Atherosclerosis (MESA) NO1-HC-95162 NIH/NHLBI PI: Wendy Post Role: Co-I

Gottesman, R

- 4/1/09-3/31/20 Biomarkers of Cognitive Decline among Normal Individuals: The BIOCARD Cohort
U01 AG033655
NIH/NIA
PI: Marilyn Albert
Role: Co-I
- 7/7/10-6/30/19 The ARIC Neurocognitive Study (ARIC-NCS)
U01 HL096812
NIH/ NHLBI
PI: Coresh
Role: Co-I
- 9/1/16-8/31/21 The role of intracranial atherosclerosis in the development of Alzheimer's Disease
R01 AG054491
NIH/ NIA
PI: Wasserman
Role: Co-I
- Previous Grants as PI
- 7/1/04-6/30/07 Development of a Clinical Scale Using Diffusion and Perfusion-Weighted Imaging to
Guide Management in Acute Ischemic Stroke
K12 RR017627
NIH/ Johns Hopkins University Institutional Grant (Clinical Scholars Program;
Graduate Training Program in Clinical Investigation)
Role: PI
- 11/15/06-12/31/09 Pilot Study of Cognitive Outcomes following Postoperative Stroke
Young Investigator Grant
Anonymous non-profit foundation
Role: PI
- 1/1/07-12/31/08 Hypoperfusion and stroke after coronary artery bypass graft surgery
Johns Hopkins University Clinician Scientist Award
Role: PI
- 1/1/08-12/31/11 Hypoperfusion and stroke after coronary artery bypass graft surgery
Scientist Development Grant
Role: PI

Research Program Building/ Leadership

- 7/09-6/13 Director of Clinical Research, Department of Neurology, Johns Hopkins Bayview Medical Center, Baltimore, MD. In this role I was available in consultation for other neurology faculty at Bayview and for house staff and fellows in the neurology department. I have assisted in study design, IRB preparation, and some statistical analysis for some faculty and house staff. In addition I have provided counseling and mentorship to house staff who are interested in pursuing further training in clinical investigation and biostatistics, informing them about options available at the Bloomberg School of Public Health and elsewhere.
- 7/13-present Director of Research, Department of Neurology, Johns Hopkins Bayview Medical Center, Baltimore, MD. In this role I have similar responsibilities to those listed above. In addition, with the transition of the department chair leadership at Bayview Neurology, I am assisting the current Chair (Dr. Rafael Llinas) in evaluating the research priorities and progress of the department.

EDUCATIONAL ACTIVITIES

Educational Publications

Peer-reviewed publications

1. Selnes OA, **Gottesman RF**, Grega MA, Baumgartner WA, Zeger SL, McKhann GM. Current Concepts: Cognitive and neurological outcomes after coronary artery surgery. *New Eng J Med*. 2012; 366(30): 250-7.

Invited Review Articles

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2. **Gottesman RF**, Wityk RW. Brain injury from cardiac bypass procedures. *Seminars in Neurology*. 2006; 26(4): 432-439.
3. Radzik BR, Puttgen HA, **Gottesman RF**, Aldrich EM. The role of interventional radiology in cerebrovascular disease: A review of cerebrovascular anatomy and disease. *Journal of Radiology Nursing*. 2007; 26(2): 39-43.
4. Hogue CW, **Gottesman RF**, Stearns J. Mechanisms of cerebral injury from cardiac surgery. *Critical Care Clinics*. 2008; 24(1): 83-98, viii-ix.
5. **Gottesman RF**, McKhann GM, Hogue CW. Neurological complications of cardiac surgery. *Seminars of Neurology*. 2008; 28: 703-715.
6. **Gottesman RF**. Is cognitive dysfunction common after ischemic stroke? (Invited “News and Reviews”) *Nature Reviews Neurology*. 2009; 5(9): 475-476.
7. Selnes OA, **Gottesman RF**. Neuropsychological Outcomes after Coronary Artery Bypass Grafting, *J International Neuropsychological Soc*. 2009; 16(2): 221-226.
8. **Gottesman RF**, Hillis AE. Predictors and Assessment of Cognitive Dysfunction Resulting from Ischaemic Stroke. *Lancet Neurology*. 2010; 9(9): 895-905.
9. Marsh EB, **Gottesman RF**. Brain hemorrhage: restarting anticoagulation after intracranial hemorrhage. (Invited “News and Reviews”) *Nature Reviews Neurology*. 2011; 7(3): 130-132.
10. **Gottesman RF**, Fornage M, Knopman DS, Mosley TH. Brain aging in African-Americans: The Atherosclerosis Risk in Communities (ARIC) experience. *Current Alzheimer Research*. 2015; 12(7):607-613.
11. Walker KA, Power MC, **Gottesman RF**. Defining the relationship between hypertension, cognitive decline, and dementia: a review. *Current Hypertension Reports*. 2017;19(3): 24.
12. Iadecola C, **Gottesman RF**. Neurovascular and cognitive dysfunction in hypertension. *Circulation Research*. 2019; 124(7): 1025-1044.
13. Johansen MC, **Gottesman RF**. Understanding atrial cardiopathy: an underrecognized contributor to cardioembolic stroke. *Current Treatment Options in Neurology*. 2019; in press.

Editorials

1. Hogue CW, **Gottesman RF**. Incidence, Topography, Predictors and Long-Term Survival Following Stroke in Patients Undergoing Coronary Artery Bypass Grafting (Invited Commentary). *Ann Thoracic Surg*. 2008; 85(3): 870-871.
2. **Gottesman RF**. Hogue CW. Abnormalities in the Brain before Elective Cardiac Surgery Detected by Diffusion-Weighted Magnetic Resonance Imaging (Invited Commentary). *Ann Thoracic Surg*. 2008; 86(5): 1569.
3. **Gottesman RF**, Sozio SM. Management of Symptomatic Carotid Stenosis in Individuals with CKD (Invited Commentary). *J Am Soc Nephrology*. 2010; 21(1): 9-11.
4. **Gottesman RF**, Hillis AE. Vascular cognitive impairment (Guest editors). *Behavioural Neurology*. 2009-2010; 22(1-2): 1-2.
5. **Gottesman RF**, Li G. Is Brain Health in the Eye of the Beholder? (Invited Editorial). *Neurology*, 2012; 78(13): 936-937.
6. Michos ED, **Gottesman RF**. Vitamin D for the prevention of stroke incidence and disability: Promising but too early for prime time. *Eur J Neurology*, 2013; 20(1): 3-4.
7. **Gottesman RF**, Chalmers J. Blood pressure and cerebral ischemia—a continuing dilemma (Invited Editorial). *Neurology*, 2014; 82(12): 1018-1019.
8. Behrouz R, **Gottesman RF**. The merging burden of HIV infection and stroke in the developing world. *Neurology*, 2016; 86(4): 316-317.
9. **Gottesman RF**. Dementia after Intracerebral Hemorrhage. *JAMA Neurology*; 2016; 73(8): 916-917.
10. Barrett KM, **Gottesman RF**. IV thrombolysis for acute ischemic stroke: Is there a paradigm shift on the horizon? *Neurology*, 2016; 87(2): 132-133.

11. Spira A, **Gottesman RF**. Sleep disturbance: an emerging opportunity for Alzheimer's disease prevention? *International Psychogeriatrics*, 2016; 12:1-3.
12. **Gottesman RF**. How to use blood pressure guidelines for best cognitive outcomes? *JAMA Neurology*; 2017; 74(10): 1172-1173.
13. **Gottesman RF**. Asymptomatic carotid stenosis in cardiac surgery patients. Is less more? *Stroke*; 2017; 48(10): 2650-2651.
14. **Gottesman RF**. Survivor's remorse: Is there an increased risk of dementia after surviving a myocardial infarction? *Circulation*; 2018; 137(6): 578-580.
15. **Gottesman RF**. Should hypertension be treated in late-life to preserve cognitive function? *Con. Hypertension*; 2018; 71(5): 787-792.
16. Iadecola C, **Gottesman RF**. Cerebrovascular alterations in Alzheimer's disease. *Circulation Research*; 2018; 123(4): 406-408.

Case Reports

1. **Gottesman R**. Clinical cases in neurology from Johns Hopkins--case 3: 44-year-old man with fever, headache, confusion, and ataxia. *Medscape General Medicine*. 2003; 5(3): 33.
2. Portera CC, **Gottesman RF**, Sroden M, Asrari F, Dillon MB, Armstrong DK. Optic Neuropathy from Metastatic Squamous Cell Carcinoma of the Cervix: An Unusual CNS Presentation. *Gynecologic Oncology*. 2006; 102(3): 121-123.
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Letters/ Correspondence

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2. **Gottesman RF**, Hillis AE. Response to letter by Levine, *Neurology*. 2009; 73:489.
3. Faigle R, **Gottesman RF**. More data are needed to understand the effects of race and troponin elevation after thrombolysis- author response. *Journal of Critical Care*; 2016; 34: 163.
4. Rawlings AM, **Gottesman RF**. Author response: Association of orthostatic hypotension with incident dementia, stroke, and cognitive decline. *Neurology*. 2019; 92(15): 730.

Book Chapters

1. Krauss RM, Chen Y, **Gottesman RF**. Lexical gestures and lexical access: A process model. In McNeill D (ed). *Language and gesture: window into thought and action*. New York: Cambridge Univ Press. 2000
2. Rosenberg JD, **Gottesman RF**, Hillis AE. General Treatment Principles for Stroke. In Wityk RW, Llinas R, (eds). *Stroke*. American College of Physicians press, 2006;81-118.
3. **Gottesman RF**, Hillis AE. Stroke Prevention in Women. In Candolotti JT, Burnside JE (eds). *Women and Stroke Research*, 2008; Nova Publ, 2008;111-124.
4. Selnes OA, **Gottesman RF**. Neurologic complications of cardiac surgery. In Festa JR, Lazar RM (eds). *Neurovascular Neuropsychology*. 1st Ed, Springer, 2009;163-176.
5. McKhann GM, **Gottesman RF**, Grega MA, Selnes OA. Neurological and cognitive sequelae of cardiac surgery. In Bonser, Pagano, Haverich (eds). *Brain Protection in Cardiac Surgery*. Springer-Verlag, London, 2010;19-28.
6. **Gottesman RF**, Hillis AE. Gender differences in stroke. In Legato M (ed). *Principles of Gender Specific Medicine*. 2nd Ed. Elsevier Academic Press, San Diego, CA; 2010.
7. **Gottesman RF**, Grega MA, McKhann GM, Selnes OA. In Stevens R, Sharshar T (eds). *Brain Disorders in Critical Illness*. Cambridge Univ Press; 2013;410-418.
8. Dearborn JL, **Gottesman RF**. Hypertension: the major risk factor for stroke. In Seshadri S, Debette S (eds). *Risk factors for cerebrovascular disease and stroke*. Oxford Univ Press; 2016; 155-179.

Teaching

Classroom instruction

2007-present Clinical Epidemiology, Small Group Instructor, 2 week intensive course each December, Johns Hopkins University School of Medicine, Baltimore, MD

Gottesman, R

- 2007-present Neurology resident lecture series, lecturer, "Evidence Based Medicine in Stroke I and II" (two separate lectures), given yearly to neurology house staff, Johns Hopkins Hospital
- 2007-present Neurology resident lecture series, lecturer, "Gender Differences in Stroke," "Management of Carotid stenosis," given 2-3 times a year to neurology house staff on rotation, Johns Hopkins Bayview Medical Center
- 2009 Physical Medicine and Rehabilitation educational lecture series, lecturer, "Stroke management," Johns Hopkins
- 2012-present Biological Basis of Cardiovascular Disease seminar course, lecturer/ discussant, "Epidemiology of Stroke and Cerebrovascular Disease," given every 2 years when seminar is being offered, Johns Hopkins Bloomberg School of Public Health
- 2011-present Disorders and Diseases of the Nervous System, lecturer, "Epidemiology of Stroke and Cerebrovascular Disease," given annually, Johns Hopkins Undergraduate Program in Neuroscience
- 2016-present Invited speaker, "Seminar in Aging", Johns Hopkins School of Medicine (T32 Training Grant in Aging course)

Clinical Instruction

- 2005-2006 Medical Student Clinical Skills Course, Instructor/ Preceptor, annually, Johns Hopkins
- 2006-2014 Professor's Rounds, Clinical Expert, Johns Hopkins Bayview Medical Center (Neurology)
- 2006-2007 Neurology resident's clinic, Preceptor, monthly, Johns Hopkins Outpatient Center Neurology Clinic
- 2006-2007 Inpatient Stroke service, Attending physician, 6 weeks, Johns Hopkins Hospital
- 2007-present Neurology resident's clinic, Preceptor, bimonthly, Johns Hopkins Bayview Neurology clinic
- 2007-2016 Inpatient Neurology service, Attending physician, 6 weeks each year, Johns Hopkins Bayview Medical Center
- 2016-present Inpatient Neurology service, Attending physician, 4 weeks each year, Johns Hopkins Bayview Medical Center
- 2010 Medicine morning report, Clinical expert; one occasion; Johns Hopkins Bayview Department of Medicine; Baltimore, MD.

CME Instruction

- 9/08 Neurology for the Neurologist and Primary Care Practitioner, lecturer, "Evidence-based management in stroke: Antiplatelet drugs," Johns Hopkins Bayview Medical Center
- 10/09 Neurology for the Neurologist and Primary Care Practitioner, lecturer, "TIA: A Neurological Emergency," Johns Hopkins Bayview Medical Center
- 10/11 Practical Update in Outpatient Neurology, lecturer, "Atrial fibrillation and stroke prevention," Johns Hopkins Bayview Medical Center
- 10/11 Howard County Stroke Education Day, lecturer, "Atrial fibrillation and stroke prevention." Howard County General Hospital; Columbia, MD.

Mentoring

Advisees

- 2005-2007 Jonathan Kleinman, BA, research assistant. Current position: MD, Neurocritical care physician, Denver, Colorado. Co-author, multiple manuscripts.
- 2008-present Elisabeth Marsh MD, neurology resident/ fellow. Current position: Associate Professor, Neurology, Johns Hopkins. Co-author, multiple manuscripts, junior mentor, R25 grant; mentor: Clinician Scientist Award (CSA) Hopkins Grant.; primary mentor, submitted AAN career development award, submitted R21 and AHA awards. Recipient, AHA Innovative Project Award (2018)
- 2007-2009 Katherine Thomas MD, neurology resident; current position: Medical Director of Neurocritical Care, Intermountain Medical Center, Salt Lake City, Utah.
- 2009-2010 Priscilla Auguste MPH, MPH student; current position: medical student, Ross University School of Medicine. Advisor for masters thesis, poster for Hopkins conference.
- 2008-2012 Zainab Bahrainwala MPH, research assistant; Current position: Program Manager, Clover Health. Completed poster, presented at ANA meeting; Three manuscripts published, one as first author, *Annals of Thoracic Surgery*; two as coauthor)

- 2010-2012 Martinson Arnan MD MPA, neurology resident/ stroke fellow. Current position: Private practice, Kalamazoo, MI. First author: abstract, published manuscript; co-mentor: minority supplement grant to R01, funded.
- 2009-2012 Lydia Trupe, BA, research assistant. completed MPH, University of Cape Town, South Africa. Current position: Associate, ideas42. Coauthor on moderated posters accepted, International Stroke Conference February 2011 and February 2012; first author on accepted manuscript based on this research and on a 2nd published manuscript as coauthor.
- 2010-present Andrea (Christman) Schneider, MD PhD, MD/PhD student. Current position, Neurocritical Care Fellow, Johns Hopkins University. Multiple manuscripts published together, including a number as first author, under my supervision, including one in the *New England Journal of Medicine* (2018). Primary mentor for R25 award, funded (2017-2018).
- 2011-2013 Thomas Hanff, MD MPH; MPH Capstone advisor while an MPH student. Current position, Cardiology fellow, University of Pennsylvania. Completed thesis (Capstone) advisor abstract presented at American Neurological Association based on this research; manuscript published in *Stroke* based on this research.
- 2011-2013 Ali Hamedani, MD MHS; MHS Advisor while a student; Current position: Neurology fellow, Movement Disorders, University of Pennsylvania. Completed manuscript published in *Neurology* based on mentored research.
- 2011-present Charles Brown, MD MHS; KL2 student/ MHS student (research advisor)/ Assistant Professor; Current position: Associate Professor, Anesthesiology, Johns Hopkins; Manuscripts published in *Anesthesia and Analgesia* and *Neurology* of work completed under my supervision, other manuscripts published as coauthors. Secondary mentor for funded K23 and then K76 Beeson Emerging Leaders Career Development Award (NIA). Also, recipient of R03 and foundation grants.
- 2012-present Jennifer Dearborn, MD MPH. Neurology resident/ stroke fellow. Current position: Assistant Professor of Neurology, Beth Israel Deaconess Medical Center, Boston, MA; Adjunct faculty, Yale University, New Haven, CT. First author on multiple manuscripts, including several as first author, one under my supervision, others in preparation. Recipient of 2017 International Stroke Conference Vascular Cognitive Impairment award, for highest-rated abstract in the area of vascular cognitive impairment; Recipient of Foundation grant, K23 resubmission under review.
- 2012-present Mona Bahouth, MD. Neurology resident. Current position: Assistant Professor of Neurology, Johns Hopkins. First author on mentored research selected for oral presentation for American Academy of Neurology annual meeting, March 2013 and poster presentation at AAN annual meeting, April 2014; I served as junior mentor for her awarded R25 and am primary mentor for her K23 (under revision) and for her AHA Career Development Award (2018, funded); she was also just funded with an AHA Innovative Project Award. Several first-author manuscripts under my mentorship published, coauthor on multiple manuscripts, other manuscripts submitted. Primary mentor for awarded Johns Hopkins Clinician Scientist Award (recipient of Richard Starr Ross Physician Scientist Award); recipient of institutional Discovery Fund for Innovation award (2017-present).
- 2013-present Alexandra Miller (now Dunham), BA. Medical Student. Current position: Surgery resident, Johns Hopkins. First author on mentored research selected for poster presentation for International Stroke Conference, February 2014; manuscript published.
- 2013-present Melinda Power, ScD. Postdoctoral fellow, Johns Hopkins (funded via T32). Current position: Assistant Professor of Epidemiology, George Washington University. Received one first prize and an additional second prize award for posters of her research with me at Hopkins-wide competitions, two abstracts accepted for presentation at international meetings, multiple first-author manuscripts published, several under my supervision, other manuscripts under revision and others in preparation. K99/R00 was to be funded but was unable to take award due to new faculty position. Two recently funded R01's as PI (2018).
- 2013-2014 Andrew Gaddis, MHS. Senior Research Coordinator. Current position: Fulbright scholar, medical student at Virginia Tech University; accepted into Hopkins psychiatry residency. Co-authored poster, manuscripts in preparation for submission.
- 2013-2014 Han Wang, MD. MPH Student (Capstone advisor) Current position: Neurology resident at Case Western Reserve University. Completed MPH research under my mentorship, first-author manuscript in preparation.

- 2014-present Sara Hardy, MD. Neurology chief resident, Johns Hopkins. Current position: Palliative care neurology faculty, Burlington, VT. Completed chief neurology resident research project under my supervision.
- 2014-present Roland Faigle, MD PhD. Stroke fellow, Assistant Professor of Neurology. Current position: Assistant Professor of Neurology. Primary mentor for his KL2 award, completing MHS program, as well as K23 (NINDS) and prior Hopkins Clinician Scientist Award recipient (2017). Multiple first-author papers published under my supervision.
- 2015-present Michelle Johansen, MD. Stroke fellow; Current position: Assistant Professor of Neurology, Johns Hopkins University School of Medicine; recipient of T32 Cardiovascular Epidemiology program funding. Awarded KL2 award (as primary mentor), current PhD student in the Graduate Training Program in Clinical Investigation, with K23 resubmission currently underway. Primary mentor for funded American Heart Association Clinical and Population Research Award and AHA Career Development Award (2019); primary mentor for K23 under revision; three first-author manuscripts recently published (*Neurology*, *JAHA*, *Neurology Clinical Practice*), with several others in preparation.
- 2015-present Qing "Sunny" Hao, MD PhD. Stroke fellow; Current position: Assistant Professor of Neurology, Mount Sinai School of Medicine. Primary mentor for R25 renewal during fellowship; co-mentor for AAN Clinician Scientist Award (submitted). Posters presented, manuscripts in preparation, K23 submitted (I am a secondary mentor) with revision planned.
- 2015-present Aozhou Wu, current PhD candidate in Cardiovascular Epidemiology. Co-mentor and member of dissertation committee; presented poster at American Neurological Association conference, several manuscripts in preparation and one recently accepted at *JAMA Network Open*.
- 2015-present Elizabeth Fracica, MPH; mentor: MPH Capstone project. Current position: Medical Intern, Johns Hopkins Bayview Medical Center (future neurology resident, matched at Johns Hopkins). Abstract presented at AAN conference; manuscript submitted.
- 2015-present Richa Sharma, MD, MPH; Neurology resident. Current position: Stroke fellow, Massachusetts General Hospital, Boston, MA. Mentor on research project, manuscript in preparation.
- 2016-present Keenan Walker, PhD; postdoctoral research fellow, funded by T32; multiple published peer-reviewed articles and one review chapter published, another in preparation as first author with me as senior/supervising author; several other manuscripts in preparation or submitted including one first-author paper under revision at *JAMA*. K23 grant (primary mentor) received outstanding score (17) with high likelihood of funding, recipient of Older Adults Independence Center (OAIC) award.
- 2016-present Michelle Lin, MD. Stroke fellow. Current position: Assistant Professor of Neurology, Mayo Clinic Jacksonville, Jacksonville, FL. Funded by T32 award in Imaging as well as AHA Clinical and Population Research Award (as primary mentor). Multiple accepted abstracts for International Stroke Conference for which I am a co-author, another presented as oral presentation at plenary session at American Academy of Neurology (for which I am senior author). Several manuscripts in preparation.
- 2016-present Emily Johnson, MD, Assistant Professor of Neurology. Current position: Assistant Professor of Neurology, Johns Hopkins University School of Medicine. One first-author manuscript published in *JAMA Neurology* (under my mentorship) and several other manuscripts submitted and in preparation under my mentorship. Recipient, institutional Discovery Fund for Synergy Award (2017-present), K23 grant application submitted (2018) with me as primary mentor, scored well, awaiting funding decision.
- 2016-present Deanna Saylor, MD, Neurology resident. Current position: Assistant Professor of Neurology, Johns Hopkins (currently on Fulbright scholarship in Zambia, where she is establishing a neurology residency). Primary mentor for several pending grants. R21 under revision.
- 2017-present Lisa Sun, MD, Stroke fellow. Current position: Assistant Professor of Neurology, Johns Hopkins University School of Medicine. Submitted foundation grants submitted under my mentorship, manuscripts in preparation. Preparing K application.
- 2017-present Rebecca DiBiase, BA. Current medical student (Johns Hopkins) and MPH student on TL1 (I am her primary research mentor); future neurology resident (Northwestern University), Capstone project completed and manuscript in preparation for submission, abstract accepted for poster presentation at *American Neurological Association* annual meeting (2018).
- 2019-present Shruti Chaturvedi, MBBS, MSCI. Assistant Professor. Current position: Assistant Professor of Hematology, Johns Hopkins. Participating in advisory team for K99/R00 application to provide

mentorship in cognition/ vascular contributions to cognitive impairment and dementia, manuscript in preparation.

Thesis committees

- 2009 Song-Yen Tsai, MD, PhD Epidemiology, Dissertation committee member, Johns Hopkins.
2012 Farrah Mateen, MD PhD International Health, Chair of Dissertation committee, (preliminary oral exam), Johns Hopkins.
2013 Sara Jones, PhD Epidemiology. Dissertation committee member (preliminary oral exam), University of North Carolina at Chapel Hill.
2014 Melissa Caughey, PhD Epidemiology. Dissertation committee member (preliminary orals and final defense). University of North Carolina at Chapel Hill, NC.
2014 Liana Rosenthal, MD PhD Clinical Investigation. Chair of Dissertation committee (preliminary oral exam), Johns Hopkins.
2016 Aozhou Wu, PhD program in Cardiovascular Epidemiology. Dissertation committee member and co-mentor, Johns Hopkins.
2017 Michelle Johansen, PhD Clinical Investigation. Dissertation committee member and primary research mentor, Johns Hopkins.
2018 Mona Bahouth, PhD Nursing. Dissertation committee member and primary research mentor, Johns Hopkins.

Training grant preparation: I am part of the faculty for several training grants (T32: Training for Clinician Scientists in Imaging Research (PI: Dean Wong, Johns Hopkins); T32: Cardiovascular Epidemiology Institutional Training (PI: Josef Coresh, Johns Hopkins); T32: Research training in Age-related cognitive disorders (PI: Marilyn Albert; Johns Hopkins); R25 Research Education Grant (PI: Argye Hillis, Johns Hopkins)).

Educational Program Building Not applicable

Educational Extramural Funding Not applicable

CLINICAL ACTIVITIES

Certification

Medical license
2005-present Maryland

Boards

2005 American Board of Psychiatry and Neurology, Neurology
2008 American Board of Psychiatry and Neurology, Vascular Neurology
2015 Maintenance of Certification, Neurology

Clinical (Service) Responsibilities:

2006-2007 Neurology Stroke inpatient service, Attending, Johns Hopkins Hospital, 1 month/ year
2006-2007 Neurology outpatient resident's clinic, Attending, Johns Hopkins Hospital, one half day a month
2006-2016 Vascular Neurology clinic (my own continuity clinic), Attending, Johns Hopkins Bayview Medical Center, two half-days/ month
2007-2016 Neurology outpatient resident's clinic, Attending, Johns Hopkins Bayview Medical Center, once every one to two months
2007-2016 Neurology inpatient service, Attending, Johns Hopkins Bayview Medical Center, 1.5 months/ year
2016-present Neurology outpatient resident's clinic, Attending, Johns Hopkins Bayview Medical Center, once a month through 2018, in 2018 changed to once every quarter
2016-present Vascular Neurology clinic (my own continuity clinic), Attending, Johns Hopkins Bayview Medical Center, one half-day/ month
2016-present Neurology inpatient service, Attending, Johns Hopkins Bayview Medical Center, 1 month/ year

Clinical Program Building/ Leadership: Not applicable

Clinical Extramural Funding: Not applicable

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES Not applicable

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2005-2008 Co-coordinator, Stroke journal club, Cerebrovascular division, Department of Neurology, Johns Hopkins
2008-present Ad-hoc Internal reviewer, Johns Hopkins Institute for Clinical and Translational Research/Clinical Research (ICTR) Units
2009-2014 Neurology representative, Medical School Council (renamed “Faculty Senate”)
2013-2016 Representative, Committee on the Status of Women
2013-present Abstract scorer, Medical Student Research Day, Johns Hopkins
2014-present Residency selection committee Co-Chair, Johns Hopkins Department of Neurology
2015-present Expert, Johns Hopkins ICTR Studio program (several occasions)
2016-present Reviewer, Speed Aims presentations, Johns Hopkins ICTR K-to-R Transition program
2016-present Reviewer, Johns Hopkins Clinician Scientist Award program
2017-present Member, Advisory Council, Graduate Training Program in Clinical Investigation.

Editorial Activities

Editorial Board Appointments

2009 Guest editor, *Behavioural Neurology*
2012-2015 *Neurology*
2015-present *Stroke*
2015-present *Neurology*: Associate Editor, Epidemiology

Journal peer review activities: Reviewer:

2007-present *Stroke*
2009-present *Nature Clinical Practice Neurology*
2009-present *Archives of Neurology*
2009-present *The Neurologist*
2009-present *Anesthesia and Analgesia*
2009 *Medicine*
2009-present Atherosclerosis Risk in Communities study, internal reviewer
2010-present Cardiovascular Health Study, internal reviewer
2010 *Survey of Ophthalmology*
2010 *Hypertension*
2010-2012 *Neurology* (editorial board from 2012-present)
2010 *Neuropsychologia*
2010 *Journal of the American Society of Nephrology*
2010 *Alzheimer Disease and Associated Disorders*
2010-present *European Journal of Neurology*
2010-present *JAMA Neurology*
2011 *Brain*
2011-present *American Journal of Epidemiology*
2011 *Journal of Alzheimer’s Disease*
2011-present *European Neurology*
2012 *New England Journal of Medicine*
2013-present *Circulation*
2015-present *JAMA*
2019 *Lancet Neurology*

Advisory Committees, Review Groups/ Study Sections

2009-2010	Member, American Heart Association Brain Region II Study Section
2010	NIH Challenge Grants review, and also Special Emphasis Panel
2010-2011	Member, American Heart Association Brain Study Section (National)
2011	Ad-hoc reviewer, NAME Study section (NIH)
2011-2012	Co-chair, American Heart Association Brain 1 Study Section (National)
2013, 2014	Ad-hoc reviewer, CNN Study section (NIH)
2013-2014	Chair, American Heart Association Clinical Brain 1 Study Section (National)
2013-present	Ad-hoc member, NHLBI Protocol Review Committee (PRC) for Cardiothoracic Surgical Network
2014	Ad-hoc reviewer, ZAG1 Special Emphasis Panel
2015-present	Member, Scientific Program Advisory Committee, American Neurological Association
2015-2016	Ad-hoc reviewer, ANIE Study section (NIH)
2015	Ad-hoc reviewer, Multiple program project grant study sections, NIH
2016	Ad-hoc reviewer, Special Emphasis panel, ZRG1 BDCN-W(02)
2016-present	Chartered member, ANIE Study section (NIH)
2016-present	Member, External Advisory Committee, NINDS Small Vessel Vascular Cognitive Impairment and Dementia Biomarkers Consortium (MarkVCID)
2017	External reviewer, Health and Medicine Division, National Academies of Sciences, Engineering, and Medicine; draft report, "Preventing Cognitive Decline and Dementia: A Way Forward"
2017-present	Member/ Reviewer, NINDS Protocol Implementation Review Committee (PIRC)
2018	Co-chair, NHLBI Workshop, Vascular contributions to cognitive impairment and dementia, Bethesda, MD.
2018	Invited participant, NIH <i>All of Us</i> Research Program's Research Priorities Workshop
3/2019	Participant, ADRD Summit. Member, "VCID" and "Health Disparities" workgroups; Speaker for Health Disparities workgroup (epidemiology focus).
3/2019-present	Invited member, American Heart Association Brain Health Science subcommittee
11/2019	Co-chair and speaker, Workshop (NHLBI/ NIA/ NINDS): Future Clinical Trials to Test Promising Mechanisms for Reducing Vascular Contributions to Cognitive Impairment and Dementia (VCID), Bethesda, MD.

Professional Societies

2001-present	Member, American Academy of Neurology
2003-present	Member, American Stroke Association/ American Heart Association
2011-2012	Elected Member, American Neurological Association
2012-present	Fellow, American Neurological Association
2012-2016	Co-Chair, American Neurological Association "Interactive Lunch Workshops" Program
2012-present	Member, American Neurological Association Long-Range Planning Committee
2014-2018	Member, American Neurological Association Scientific Program Advisory Committee
2014-2017	Elected Director (member of Board of Directors), American Neurological Association
2015-present	Fellow, American Heart Association
2017-present	Elected Secretary (member of Executive Committee), American Neurological Association

Conference Organizer, Session Chair

2/2012	Moderator, Invited Symposium: Diagnosis of Vascular Cognitive Impairment: Is there a neuropsychological profile? <i>International Stroke Conference</i> , New Orleans, LA.
2012-2015	Co-Chair, Interactive Lunch Workshops, American Neurological Association annual meetings
2015-present	Organizer and Moderator, Controversies in Stroke Therapeutics Symposium for fall 2015, American Neurological Association, Chicago, IL
2015-2016	Chair, Cerebrovascular Diseases Special Interest Group (sessions at annual American Neurological Association conference).
10/2016	Co-Chair, The Neuroscience of Coma and Consciousness (pre-meeting symposium), <i>American Neurological Association annual conference</i> , Baltimore, MD.
10/2016	Moderator, Clinical Trials in Neurological Disease (interactive lunch workshop), <i>American Neurological Association annual conference</i> , Baltimore, MD.

Gottesman, R

- 2016-present Member, Cardiothoracic Surgery Symposium Planning Committee
10/2017 Chair, Molecular imaging in neurologic disease (plenary session at American Neurological Association annual meeting), San Diego, CA.
- 6/2018-present Co-chair, Combining Clinical and Research Careers in Neuroscience (CCRC), AUPN/NINDS/ANA/AAN/CNS sponsored course, Bethesda, MD.
- 10/2018 Chair, Vascular contributions to Neurodegeneration (plenary session at American Neurological Association annual meeting), Atlanta, GA.
- 2/2019 Chair, Looking into the Brain Through the Eye: Re-examining the Retina as a Surrogate Marker for Cognitive Disorders, International Stroke Conference, Honolulu, HI.

Consultantships: Not applicable

RECOGNITION

Awards/ Honors

- 1995 Magna Cum Laude, Columbia College
- 1997 Recipient, NIH/ Dean's Grant for student research
- 2003 Scholarship recipient, American Stroke Association Stroke Fellows Workshop
- 2003 Recipient, AAN Resident's Scholarship to Annual Meeting
- 2004 Recipient, Guy McKhann award for excellence in teaching
- 2004-2007 Recipient, K12 award: Clinical Research Scholar
- 2005-2007 Recipient, National Institutes of Health Loan Repayment Program Award
- 2011-2012 Elected member, American Neurological Association
- 2012-present Fellow, American Neurological Association
- 2012-present Invited member, Center for Innovative Medicine, Johns Hopkins Bayview Medical Center
- 2012-2018 Inaugural recipient, McKhann Scholar award
- 2014-2017 Director, American Neurological Association (Elected position)
- 2015-present Fellow (Elected), American Heart Association
- 2015 Semi-finalist, Clinical Research Forum's Top 10 Clinical Research Achievement Award (US national award)
- 2017-present Secretary, American Neurological Association (Elected position)
- 2019 Awardee, Outstanding Stroke Research Mentor Award (American Heart Association; International Stroke Conference)

Invited Talks, Panels

- 12/05 Speaker, Johns Hopkins Cardiac Surgery Grand Rounds, "Watershed Stroke after Cardiac Surgery: Diagnosis, Etiology, and Outcome," Baltimore, MD
- 2/07 Speaker, Johns Hopkins Neurology Departmental Research Symposium, "The NIHSS-Plus: Improving Cognitive Assessment with the NIHSS," Baltimore, MD
- 9/07 Speaker, Johns Hopkins Cardiac SICU lecture series, "Stroke in cardiac surgery patients," Baltimore, MD
- 9/08 Speaker, Johns Hopkins Cardiac SICU lecture series, "Stroke in cardiac surgery patients," Baltimore, MD
- 1/08 Speaker, National Institutes on Drug Abuse intramural lecture series, "Stroke diagnosis, management and prevention: The role of the ischemic penumbra," Baltimore, MD
- 2/08 Speaker, Johns Hopkins Welch Center Clinical Research Grand Rounds, "Stroke after cardiac surgery: Mechanisms and Outcomes," Baltimore, MD
- 2/08 Speaker, American College of Physicians—Maryland chapter scientific meeting, "Evidence-based management of carotid disease," Columbia, MD
- 2/08 Speaker, Johns Hopkins Neurocritical Care Unit conference, "The NIHSS-Plus: Improving Cognitive Assessment with the NIHSS," Baltimore, MD
- 1/10 Speaker, Johns Hopkins Neurology Grand Rounds, "Cerebral Consequences of Systemic Hypoperfusion," Baltimore, MD
- 3/10 Speaker, Cardiothoracic Surgery Symposium, "Bypass and the Brain: Confusion about Perfusion," Newport Beach, CA

- 3/10 Speaker, National Institutes of Neurologic Diseases and Stroke Grand Rounds, "Cerebral Consequences of Systemic Hypoperfusion," Bethesda, MD
- 5/10 Speaker, Johns Hopkins Clinical Neurosciences Seminar, "Mechanisms and consequences of cerebral white matter injury," Clinical Neurosciences Seminar, Johns Hopkins University, Baltimore, MD
- 5/25/10 Speaker, University of Mississippi Medical Center MIND Institute Seminar, "Cerebral Consequences of Systemic Hypoperfusion," Jackson, MS
- 9/12/10 Speaker, American Neurological Association Annual Meeting Special Interest Group, Cerebrovascular Diseases, Experts in the Field: "Cerebral Hypoperfusion from Anemia and Heart Failure," San Francisco, CA
- 9/12/10 Data Blitz Speaker, American Neurological Association Annual Meeting Special Interest Group, Behavioral Neurology, Data Blitz: "Impact of Cognition on Mortality in Individuals with Coronary Artery Disease," San Francisco, CA
- 12/10/10 Speaker, Harbor Hospital Grand Rounds, "Stroke and the Interaction between Cardiovascular and Cerebrovascular Disease." Baltimore, MD
- 3/24/11 Speaker, University of Connecticut Neurology Grand Rounds, "Cerebral consequences of systemic hypoperfusion." Neurology Grand Rounds, Farmington, CT
- 4/5/11 Speaker, University of North Carolina Gillings School of Public Health Epidemiology Seminar, "Cerebral consequences of systemic hypoperfusion: Evidence from epidemiologic studies," Chapel Hill, NC
- 9/27/11 Speaker, American Neurological Association Derek Denny-Brown New Member Symposium, "Components of blood pressure and progression of cerebral leukoaraiosis: The ARIC Study," San Diego, CA
- 10/26/11 Speaker, Wake Forest University Sticht Center Conference on Aging "Cerebral consequences of systemic hypoperfusion: Evidence from epidemiologic studies," Winston-Salem, NC
- 12/1/11 Speaker, Tufts University Neurology Grand Rounds, "Cerebral consequences of systemic hypoperfusion," Boston, MA.
- 1/19/12 Speaker, Food and Drug Administration Division of Cardiovascular Devices Conference, "Neurologic complications of cardiac surgery," Silver Spring, MD
- 2/3/12 Speaker, International Stroke Conference Invited Symposium, "Small Vessel Stroke, White Matter Lesions, and Cognitive and Functional Outcomes," New Orleans, LA
- 3/2/12 Speaker, Cardiothoracic Surgery Symposium, "Brain dysfunction before and after cardiac surgery," San Diego, CA
- 3/3/12 Speaker, Cardiothoracic Surgery Symposium, "ICU Syndrome: Why Worry?" San Diego, CA
- 4/12 Invited faculty panel member, K-awardee dinner at Society for Translational and Clinical Research "Translational Science 2012" meeting, Washington DC
- 4/23/12 Speaker, Johns Hopkins Stroke journal club, "Cerebral leukoaraiosis: Evidence for a vascular (and quasi-vascular) mechanism," Baltimore, MD
- 4/24/12 Good Samaritan Hospital Grand Rounds, "Current stroke management: Evidence-based medicine for prevention of stroke," Baltimore, MD
- 12/4/12 Speaker, Johns Hopkins Bayview Medical Grand Rounds, "Secondary stroke prevention: An evidence-based approach," Baltimore, MD.
- 2/13/13 Speaker, Johns Hopkins Molecular and Functional Brain Imaging Seminar Series, "Epidemiologic evidence for a vascular contribution to mild cognitive impairment and dementia." Baltimore, MD
- 9/4/13 Speaker, Johns Hopkins Welch Center Grand Rounds, "Epidemiologic evidence for a vascular contribution to mild cognitive impairment and dementia," Baltimore, MD.
- 11/12/13 Speaker, Johns Hopkins Neurocritical Care Unit Seminar, "Epidemiologic evidence for a vascular contribution to mild cognitive impairment and dementia," Baltimore, MD.
- 3/20/14 Speaker, Johns Hopkins Neurology Grand Rounds, "The Hype About Hypertension: Blood pressure, the brain, and JNC-8," Baltimore, MD.
- 4/17/14 Speaker, INSERM Translational Institute Invited Seminar, "Are Cognitive Deficits after Stroke Reversible?," Paris, France.
- 7/29/14 Speaker, Schulich School of Medicine and Dentistry Department of Clinical Neurological Sciences Grand Rounds, "The Hype About Hypertension: Blood pressure, the brain, and JNC-8"; Department of Clinical Neurological Sciences Grand Rounds, London, ON, Canada.

- 10/14/14 Speaker, American Neurological Association Annual Meeting Interactive Lunch Workshop, "Small vessel phenotypes: Epidemiologic evidence for lumping," Baltimore, MD.
- 10/20/14 Speaker, Fifth Annual Workshop on HIV and Aging, "The epidemiology of stroke and vascular risk factors in cognitive aging," Baltimore, MD.
- 6/3/15 Speaker, NIH Stroke Conference, "The epidemiology of stroke and small vessel disease", Bethesda, MD
- 6/17/15 Speaker, Johns Hopkins ADRC Annual Conference on Aging and Dementia, "The relationship between vascular risks, amyloid burden, and cognitive decline: evidence from a community-based study", Baltimore, MD
- 7/27/15 Speaker, Advisory Council on Alzheimer's Research, Care, and Services, Department of Health and Human Services, "Vascular contributions to dementia: A path to prevention", Washington DC.
- 11/18/15 Speaker, University of Michigan Department of Neurology Grand Rounds, "The relationship between vascular risk factors and cognitive decline: Evidence from a community-based study", Ann Arbor, Michigan
- 1/14/16 Speaker, Platform presentation, Human Amyloid Imaging conference. "Do midlife vascular risk factors contribute to brain amyloid? The ARIC-PET Amyloid Imaging Study", Miami Beach, FL
- 2/27/16 Speaker, 36th Annual Cardiothoracic Surgery Symposium, "Neurocognitive complications of cardiac surgery: Preventable or inevitable?", Long Beach, CA
- 6/17/16 Speaker, Biomarkers of Preclinical Alzheimer's Disease Symposium, sponsored by the National Institute on Aging, "The impact of vascular and demographic risk factors on A β in the ARIC-PET Study", Bethesda, MD
- 10/25/16 Speaker, "Vascular risk factors, diabetes, and obesity", "Preventing Dementia and Cognitive Impairment" workshop; National Academy of Sciences, Washington DC
- 1/13/17 Speaker, Platform presentation, Human Amyloid Imaging conference. "White Matter Hyperintensities and Brain Amyloid Deposition: The ARIC-PET Study", Miami Beach, FL
- 1/23/17 Speaker, Johns Hopkins Sleep Research Conference. "Sleep's Impact on the Brain: A Neuroepidemiologist's Perspective", Baltimore, MD
- 2/22/17 Speaker, "Midlife vascular risk factors and incident dementia in the ARIC cohort", International Stroke Conference annual meeting, Houston, TX
- 4/26/17 Speaker, "Biomarkers for Vascular Dementia", American Academy of Neurology Annual Meeting, Boston, MA
- 5/3/17 Speaker, "Cognitive Dysfunction: An Important Endpoint", 1st Hemorrhagic Stroke Academic Industry Roundtable (HEADS), Baltimore, MD
- 6/24/17 Speaker and session faculty, "Physician-scientist: Career and family: Can you have it all?", NINDS/AUPN/ANA/CNS Combining Clinical and Research Careers in Neuroscience Symposium, Washington DC.
- 7/13/17 Speaker, Alzheimer's Association International Conference preconference on vascular risk factors, "The importance of midlife hypertension as a risk factor for Alzheimer's Disease: Evidence from epidemiologic studies", London, UK.
- 10/11/17 Speaker, Brain Night, Brain Science Institute, "Can we prevent Alzheimer's Disease? Vascular Contributions to Cognitive Impairment and Dementia", Baltimore, MD
- 11/1/17 Invited speaker, Charles E. Smith Life Communities Remember This seminar series, "How Heart Health Affects Brain Health", Rockville, MD
- 11/6/17 Speaker, Johns Hopkins Center on Aging and Health Scientific seminar series, "Dementia as a preventable disease: Evidence from epidemiology", Baltimore, MD
- 11/9/17 Speaker, Neurology Grand Rounds, Johns Hopkins, Baltimore, MD, "Preventing Dementia by Preventing Stroke: Evidence from Epidemiology"
- 1/25/18 Speaker, International Stroke Conference. "Intracranial atherosclerotic disease and brain amyloid deposition: The ARIC Study," Los Angeles, CA.
- 2/8/18 Speaker, "Dementia as a preventable disease: Evidence from epidemiology", Emory Alzheimer's Disease Research Center and Center for Neurodegenerative Disease Seminar Series, Atlanta, GA
- 2/28/18 Speaker, Duke Neurology Grand Rounds, "Preventing Dementia by Preventing Stroke: Evidence from Epidemiology", Raleigh-Durham, NC.
- 5/7-5/8/18 Speaker (and workshop Chair), NHLBI Workshop on Vascular Contributions to Cognitive Impairment and Dementia in collaboration with NINDS, "Epidemiologic studies of the vascular contribution to cognitive impairment and dementia", Bethesda, MD.

- Fall 2018 Speaker, Johns Hopkins University School of Medicine Research Integrity Colloquium, “Responsible Authorship in Clinical Research”, Baltimore, MD.
- 11/16/2018 Invited Speaker, VasCog conference, “Midlife Vascular Risk Factors and Alzheimer’s Disease: Evidence from Epidemiology”, Hong Kong.
- 1/19/2019 Invited Chair and Speaker, Session on “Interaction of Vascular and Neurodegenerative Disease”, MCI Symposium, Talk: “Amyloid Deposition in Healthy Aging, Vascular and Neurodegenerative Disease and Genetic Effects”, Miami Beach, FL.
- 1/20/2019 Invited Speaker, Public Education Forum, MCI Symposium, “Vascular and Degenerative Causes of Cognitive Impairment: How are they linked?”, Miami Beach, FL.
- 1/31/2019 Invited Speaker, A Woman’s Journey (Johns Hopkins Medicine women’s health program), “New Insights into Dementia: Is Dementia a Preventable Disease?”, Palm Beach, FL.
- 2/6/2019 Invited Speaker, International Stroke Conference, “Risk Factors and Prevention Strategies in VCID”, Honolulu, HI.
- 2/26/2019 Invited Speaker and participant, NIA/VA Workshop “Traumatic Brain Injury as Risk Factor for Alzheimer’s Disease (AD) and AD Related Dementia”, Talk: “Head Injury in the Community: Impact on Dementia and the Role of Vascular Comorbidity”, National Institutes of Health, Bethesda, MD.
- 3/6/2019 Invited Speaker, New York Presbyterian-Weill Cornell Department of Neurology Grand Rounds, “Preventing Dementia by Preventing Stroke: Evidence from Epidemiology”, New York, NY.
- 3/14-3/15/19 Speaker and participant, ADRD Summit, “Health Disparities: Epidemiology and Pathways to Effective Prevention and Treatment”, in Health Disparities section, NIH, Bethesda, MD.
- 4/29/2019 Invited Speaker, Greater Washington Area: A Woman’s Journey (Johns Hopkins Medicine women’s health program), Preventing Dementia, Bethesda, MD
- 5/9/2019 Invited Speaker, A Woman’s Journey (Johns Hopkins Medicine women’s health program), Preventing Dementia, Baltimore, MD.
- 5/22/2019 Invited Speaker, Out of the Lab Lecture Series, “Vascular Contributions to Alzheimer’s Disease: Evidence from Epidemiology”, Johns Hopkins Bayview Medical Center, Baltimore, MD
- 10/5/2019 Invited Speaker, UCI MIND 30th Annual SoCal Alzheimer’s Disease Research Conference, Title TBD, Irvine, CA.
- 11/23/2019 Invited speaker, A Woman’s Journey (Johns Hopkins Medicine women’s health program), Title TBD, Baltimore, MD

OTHER PROFESSIONAL ACCOMPLISHMENTS

Not applicable