

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME <b>Goldstein, Larry B.</b>		POSITION TITLE Professor of Medicine (Neurology) Director, Center for Cerebrovascular Disease	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Brandeis University, Waltham, MA	AB	1973-1977	Biology
Mt. Sinai School of Medicine, NY, NY	MD	1977-1981	Medicine
Mt. Sinai Hospital, NY, NY		1981-1982	Intern, Medicine
Mt. Sinai Hospital, NY, NY		1982-1985	Resident, Neurology
Duke University, Durham, NC		1985-1987	Stroke Fellow

**Professional Experience:**

7/86 - 12/88 Associate (Dept. of Medicine - Neurology), Duke University  
 1/89 - 5/95 Assistant Professor of Medicine (Neurology), Duke University  
 7/89 - 6/90 Associate in Research (Center for Health Policy Research & Education), Duke Univ.  
 7/90 - 5/98 Assistant Research Prof. (Center for Health Policy Research & Education), Duke Univ.  
 6/95 - 5/98 Associate Professor of Medicine (Neurology), Duke University  
 12/97 - Director, Duke Center for Cerebrovascular Disease  
 12/97 -12/03 Head, Stroke Policy Program, Center for Clinical Health Policy Research, Duke Univ.  
 6/98 - 7/02 Associate Professor of Medicine with Tenure, Duke University  
 6/98 - 12/03 Associate Research Professor, Center for Clinical Health Policy Research, Duke Univ.  
 7/02 - Professor of Medicine with Tenure, Duke University  
 12/03 - Senior Fellow in Clinical Health Policy (CCHPR)

**Honors and Awards:**

College: Magna cum laude, High Honors in Biology, Phi Beta Kappa  
 Medical School: Student Prize, Mount Sinai Journal of Medicine  
 G. Milton Shy Award, American Academy of Neurology, 1979  
 Sara Bender Prize in Clinical Neurology, 1980  
 Post Graduate: Clinical Investigator Development Award, 1987  
 Honorable Mention, Robert G. Siekert Young Investigator Award in Stroke, 1990  
 Neurology Housestaff Teaching Award, Duke University, 1992  
 Marvin Rozear Award in Clinical Neurology, Duke Neurology Housestaff, 2004  
 Saul J. Horowitz, Jr. Award, Mt. Sinai School of Medicine, 2004  
 Chairman's Award, American Heart Association, 2004  
 Eun-Kyu Lee Award for Excellence in Teaching Clinical Neurology, Duke Univ., 2005  
 National Advocate of the Year, American Heart Association, 2005  
 Stroke Council Leadership Award, American Heart Association, 2007  
 Award of Meritorious Achievement, American Heart Association, 2007

**Editorial Boards:** Restorative Neurology and Neuroscience (1994-1997); Emergency Medicine (2000-); Current Controlled Trials in Cardiovascular Medicine (Associate Editor for Stroke and Cerebrovascular Medicine; 2000-2005); Stroke (Section Editor, Prevention and Health Services Delivery; 2002-); AHA Clinical Updates (2002-); Neurology (2003 -); Cerebrovascular Diseases (2004 -); Circulation:Cardiovascular Quality and Outcomes (2008-2009); Continuum (Editor for Practice, American Academy of Neurology; 2008-)

**Total publications: 456**

**Journal Articles: 178; Chapters: 35; Books/Volumes: 7; Editorials, Position Papers, Proceedings, Letters & Other: 73; Reviews (for mass distribution): 10; Abstracts: 153**

**Selected Refereed Journal Articles Since 1996**

1. **Goldstein LB**, Bonito AJ, Matchar DB, Duncan PW, Samsa GP. U.S. National survey of physician practices for prevention of stroke: carotid endarterectomy. Stroke 1996; 27: 801-806.
2. **Goldstein LB**, Bonito AJ, Matchar DB, Duncan PW, Samsa GP. U.S. National survey of physician practices for the secondary and tertiary prevention of stroke: medical therapy in patients with carotid artery stenosis. Stroke 1996; 27: 1473-1478.
3. **Goldstein LB**, Samsa GP. Reliability of the National Institutes of Health Stroke Scale: extension to non-neurologists in the context of a clinical trial. Stroke 1997; 28: 307-310.
4. **Goldstein LB**, Farmer A, Matchar DB. Primary care physician-reported stroke prevention practices. A comparison between the United States and the United Kingdom. Stroke 1997; 28: 746-751.
5. Duncan PW, Samsa GP, Weinberger M, **Goldstein LB**, Bonito A, Witter D, Enarson C, Matchar DB. Health status of individuals with mild stroke. Stroke 1997; 28:740-745.
6. Samsa GP, Cohen SJ, **Goldstein LB**, Bonito AJ, Duncan PW, Enarson C, DeFries G, Horner RD, Matchar DB. Knowledge of risk among patients at increased risk for stroke: results from a nationally diverse patient survey. Stroke 1997; 28:916-921.
7. **Goldstein LB**, Chilukuri V. Retrospective assessment of initial stroke severity with the Canadian Neurological Scale. Stroke 1997; 28: 1181-1184.
8. **Goldstein LB**. Potential effects of common drugs on stroke recovery. Arch Neurol 1998; 55: 454-456.
9. **Goldstein LB**, Samsa GP, Matchar DB, Oddone EZ. Multicenter review of preoperative risk factors for endarterectomy for asymptomatic carotid artery stenosis. Stroke 1998; 29: 750-753.
10. Samsa GP, Matchar DB, **Goldstein LB**, Bonito A, Duncan PW, Lipscomb J, Enarson C, Witter D, Venus P, Paul JE, Weinberger M. Utilities for major stroke: results from a survey of preferences among persons at increased risk for stroke. American Heart Journal 1998; 136: 703-713.
11. **Goldstein LB**, Cohen SJ, Matchar DB, Samsa GP. Physician-reported readiness to change stroke prevention practices: implications for educational programs. J Stroke Cerebrovasc Dis 1998; 8: 358-363.
12. **Goldstein LB**. Accuracy of ICD-9-CM coding for the identification of patients with acute ischemic stroke: effect of modifier codes. Stroke 1998; 29: 1602-1604.
13. **Goldstein LB**, Hey LA, Laney R. North Carolina Stroke Prevention and Treatment Facilities Survey: Statewide availability of rt-PA for acute ischemic stroke Stroke 1998; 29: 1602-1604.
14. Wolf PA, Clagett GP, Easton JD, **Goldstein LB**, et al. Preventing Ischemic Stroke in Patients with Prior Stroke and TIA Stroke 1999; 30:1991-1994.
15. **Goldstein LB**, Gradison M. Stroke-related knowledge among patients with access to medical care in the Stroke Belt. Journal of Stroke and Cerebrovascular Disease 1999; 8: 349-352.
16. Bushnell CD, **Goldstein LB**. Ischemic stroke: recognizing risks unique to women. Women's Health in Primary Care 1999; 2:788-804.
17. **Goldstein LB**, Hey LA, Laney R. North Carolina Stroke Prevention and Treatment Facilities Survey: state-wide availability of programs and services. Stroke 2000; 31: 66-70.
18. **Goldstein LB**. Effects of amphetamines and small related molecules on recovery after stroke in animals and man. Neuropharmacology 2000; 39: 852-859.
19. **Goldstein LB**. Novel risk factors for stroke: homocysteine, inflammation and infection. Current Atherosclerosis Reports 2000; 2: 110-114.

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Principal Investigator/Program Director (Last, first, middle):

20. Samsa GP, Matchar DB, **Goldstein LB**, Bonito AJ, Witter MS, Bian J. Quality of anticoagulation management among patients with atrial fibrillation. Arch of Intern Med 2000; 160:967-973.
21. **Goldstein LB**, Vitek MP, Dawson H, Bullman S. Expression of the apolipoprotein E gene does not affect motor recovery after sensorimotor cortex injury in the mouse. Neuroscience 2000; 99:705-710.
22. **Goldstein LB**, Bian J, Samsa GP, Bonito AJ, Lux LJ, Matchar DB. New TIA and stroke: outpatient management by primary care physicians. Arch of Intern Med 2000; 160:2941-2946.
23. **Goldstein LB**, Adams R, Becker K, et al. Primary prevention of ischemic stroke. Stroke 2001; 32: 280-299 Reprinted in Circulation 2001; 103:163-182
24. Bushnell C, Siddiqi Z, Morgenlander JC, **Goldstein LB**. Use of specialized coagulation testing in the evaluation of patients with acute ischemic stroke. Neurology 2001; 56:624-627.
25. Johnston DCC, **Goldstein LB**. Clinical carotid endarterectomy decision making: noninvasive vascular imaging versus cerebral angiography. Neurology 2001; 56: 1009-1015.
26. Bushnell CD, Samsa GP, **Goldstein LB**. Hormone replacement therapy and ischemic stroke severity in women: a case control study. Neurology 2001; 56: 1304-1307.
27. **Goldstein LB**, Jones MR, Matchar DB, Edwards LJ, Hoff J, Chilukuri V, Armstrong SB, Horner RD. Improving the reliability of stroke subgroup classification using the Trial of ORG 10172 in Acute Stroke Treatment (TOAST) criteria. Stroke 2001; 32: 1091-1097.
28. Johnston DCC, **Goldstein LB**. Low rate of complications of cerebral angiography in routine clinical practice. Neurology 2001; 57: 2012-2014.
29. Albers GW, **Goldstein LB**, Hall D, et al. Aptiganel hydrochloride in acute ischemic stroke. JAMA. 2001; 286:2673-2682.
30. Bushnell CD, **Goldstein LB**. Physician knowledge and practices in the evaluation of coagulopathies in stroke patients. Stroke 2002; 33: 948-953.
31. **Goldstein LB**, Lyden P, Mathias S, et al. Telephone assessment of functioning and well-being following stroke with the Health Utilities Index. J Stroke Cerebrovascular Dis 2002; 11: 80-87.
32. Bushnell CD, **Goldstein LB**. Homocysteine testing in patients with acute ischemic stroke. Neurology 2002; 59: 1541-1546.
33. Johnston DCC, Eastwood J, Nguyen T, **Goldstein LB**. Contrast-enhanced magnetic resonance angiography of the carotid arteries: utility in routine clinical practice. Stroke 2002; 33: 2834-2838.
34. **Goldstein LB**, Bullman S. Differential effects of haloperidol and clozapine on motor recovery after sensorimotor cortex injury in the rat. Neurorehab Neural Repair 2002; 16: 321-325
35. Johnston DCC, **Goldstein LB**. Utility of noninvasive studies in the evaluation of patients with carotid artery disease. Current Neurology and Neuroscience Reports 2002; 2:25-30.
36. Pearson TA, Bazzarre T, Daniels SR, , et al. AHA Guide for Improving Cardiovascular Health at the Community Level. Circulation 2003; 107:645-651.
37. **Goldstein LB**. Neuropharmacology of TBI-Induced Plasticity. Brain Injury 2003; 17: 685-694.
38. **Goldstein LB**, Matchar DB, Hoff-Lindquist J, et al. VA Stroke (VAST) Study: Lack of race/ethnic differences in utilization of stroke-related procedures or services. Stroke 2003; 34: 999-1004.
39. Adams HP, Adams RJ, Brott T, et al. Guidelines for the management of patients with acute ischemic stroke. Stroke 2003; 34: 1056-1083.
40. Bushnell CD, **Goldstein LB**. Screening for hypercoagulable syndromes following stroke. Current Atherosclerosis Reports 2003; 5: 291-298.
41. **Goldstein LB**, Matchar DB, Hoff-Lindquist J, et al. VA Stroke Study: Neurologist Care is Associated with Increased Testing but Improved Outcomes. Neurology 2003; 61: 792-796.
42. **Goldstein LB**. Extracranial carotid artery stenosis. Stroke 2003; 34: 2767:2773.
43. Leff A, **Goldstein LB**. Survey methods in stroke medicine. Sem Cerebro Dis. 2003; 3: 77-84.

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Principal Investigator/Program Director (Last, first, middle):

44. Camilo O, **Goldstein LB**. Statewide assessment of stroke prevention and treatment services in North Carolina: Changes over the last 5 Years. Stroke 2003; 34: 2945-2950.
45. Miller CM, **Goldstein LB**. Five keys to reducing secondary stroke risk. Em Med 2004; 36: 18-26.
46. **Goldstein LB**. Blood pressure in patients with acute ischemic stroke. Hypertension 2004; 43: 137-141.
47. Camilo O, **Goldstein LB**. Seizures and epilepsy after ischemic stroke. Stroke 2004; 35: 1769-1775.
48. Bushnell CD, **Goldstein LB**. Risk of ischemic stroke with tamoxifen treatment for breast cancer: a meta-analysis. Neurology 2004; 63: 1230-1233.
49. **Goldstein LB**, Samsa GP, Matchar DB, Horner RD. Charlson Index comorbidity adjustment for ischemic stroke outcome studies. Stroke 2004; 35: 1941-1945.
50. Camilo O, **Goldstein LB**. Lower stroke-related mortality in counties with stroke centers: NC Stroke Facilities Survey. Neurology 2005; 64: 762-763.
51. Schwamm LH, Pancioli A, Acker J, **Goldstein LB**, et al. Recommendations for the establishment of stroke systems of care : ASA Task Force Stroke Systems. Circulation 2005; 111: 1078-1091
52. Bushnell CD, **Goldstein LB**. Neurologists' evaluation and treatment of hyperhomocysteinemia in stroke patients Journal of Stroke and Cerebrovascular Disease 2005; 14: 101-106.
53. Radziszewska, B, Hart RG, Wolf PA, D, , et al.. Clinical research in primary stroke prevention: needs, opportunities, and challenges. Neuroepidemiology 2005; 25: 91-104.
54. Camilo O, **Goldstein LB**. Non-atherosclerotic vascular disease in the young. Journal of Thrombosis and Thrombolysis 2005; 20: 93-103.
55. Adams H, Adams R, del Zoppo G, **Goldstein LB**. Guidelines for the Early Management of Patients With Ischemic Stroke: 2005 Guidelines Update. Stroke 2005; 36: 916-923.
56. **Goldstein LB**, Simel DL. Is this patient having a stroke? JAMA. 2005; 293: 2391-2402.
57. **Goldstein LB**. Is simvastatin cost-effective for reducing the risk of vascular events? Nature Clinical Practice Neurology 2005; 1: 86-87.
58. Hammond CAS, **Goldstein LB**. Cough and aspiration of foods and liquids due to oral-pharyngeal dyspnea: ACCP Evidence-based clinical practice guidelines. Chest 2006: 129: 154-168.
59. Sacco RL, Adams R, Albers G, Alberts MJ, Benavente O, Furie KL, **Goldstein LB**, Gorelick P, Halperin J, Harbaugh RE, Johnston SC, Katzan I, Kelly-Hayes M, Kenton EJ, Marks M, Schwamm LH, Tomsick T. Guidelines for prevention of stroke in patients with ischemic stroke or transient ischemic attack. Stroke. 2006;37:577-617
60. **Goldstein LB**, Adams R, Alberts MJ, Appel LJ, Brass LM, Bushnell CD, Culebras A, DeGraba TJ, Gorelick PB, Guyton JR, Hart RG, Howard G, Kelly-Hayes M, Nixon JV, Sacco RL. Guidelines for the primary prevention of ischemic stroke. Stroke. 2006; 37: 1583-1633.
61. The Stroke Prevention by Aggressive Reduction in Cholesterol Levels (SPARCL) Investigators (High-dose atorvastatin after stroke or transient ischemic attack. New England Journal of Medicine 2006; 355: 549-559.
62. **Goldstein LB**. Contemporary Reviews in Cardiovascular Medicine. Acute ischemic stroke treatment in 2007. Circulation 116: 1504-1514
63. Hart RG, Pearce LA, Albers GW, Connolly SJ, Friday GH, Gage BF, Go AS, **Goldstein LB**, Gronseth G, Halperin JL, Hylek EM, Lip GYH, Sherman DG, Singer DE, van Walraven C. Independent predictors of stroke in patients with atrial fibrillation: a systematic review. Neurology 2007; 69: 5546-554.
64. **Goldstein LB**, Amarenco P, Szarek M, Callahan A, Sillesen H, Hennerici M, Zivin JA, Welch KMA. Secondary analysis of hemorrhagic stroke in the Stroke Prevention by Aggressive Reduction in Cholesterol Levels (SPARCL) Study. Neurology 2008; 70: 2364-2370.