

AUGMENTED CURRICULUM VITAE
Susan Russell Heckbert, M.D., Ph.D.
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BIOGRAPHICAL INFORMATION

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EDUCATION

1977 B.S.	Stanford University, Stanford, CA (Biology)
1981 M.D.	Case Western Reserve University, Cleveland, OH
1987 M.P.H.	University of Washington, Seattle, WA (Epidemiology)
1990 Ph.D.	University of Washington (Epidemiology)

LICENSURE AND CERTIFICATION

1981-current	Washington License Registration, #20144
1982	National Board of Medical Examiners
1984	National Board of Internal Medicine
1988-90	Massachusetts License Registration, #59047

PROFESSIONAL POSITIONS

Internship and residency

1981-82	Intern in Medicine, University of Washington
1982-84	Resident in Medicine, University of Washington
1984-85	Chief Resident in Medicine, Harborview Medical Center, Seattle, WA

Hospital Appointments

1985-88	Attending physician, Harborview Medical Center
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Academic Appointments

1984-88	Acting Instructor, Department of Medicine, University of Washington
1988-89	Research Fellow, Department of Medicine, Harvard Medical School, Boston, MA
1989-90	Instructor, Department of Medicine, Harvard Medical School

Academic Appointments (continued)

1990-92	Acting Assistant Professor, Department of Epidemiology, University of Washington
1992-98	Assistant Professor, Department of Epidemiology, University of Washington
1992-98	Adjunct Assistant Professor, Department of Pharmacy, School of Pharmacy, University of Washington
1994-	Graduate Faculty, University of Washington
1998-2004	Associate Professor, Department of Epidemiology, University of Washington
1998-2004	Adjunct Associate Professor, Department of Pharmacy, School of Pharmacy, University of Washington
2000-current	Affiliate Investigator, Group Health Research Institute, Group Health, Seattle, WA
2004-current	Professor, Department of Epidemiology, University of Washington
2004-current	Adjunct Professor, Department of Pharmacy, University of Washington

HONORS, AWARDS, SCHOLARSHIPS

Honors and Awards

1977	B.S. <i>with distinction</i> , Stanford University
1977	Phi Beta Kappa, Stanford University
1981	Alpha Omega Alpha, Case Western Reserve University
1985	Upjohn Award for Clinical Ability and Humanitarian Concern, Harborview Medical Center
1986-88	Charles A. Dana Foundation Fellow, Program in Ecogenetics
1997	Nominated for UW School of Public Health and Community Medicine Outstanding Teaching Award
2004	Nominated for UW Distinguished Graduate Mentor Award
2008	Elected member of American Epidemiological Society

Research fellowship awards

1975	California Heart Association Undergraduate Research Fellowship, Ocular Pharmacology
1985-87	Resident in Preventive Medicine, University of Washington,
1986-88	NIH Institutional Research Service Award trainee (Epidemiology), University of Washington

PROFESSIONAL ACTIVITIES

Professional organizations

1990-current	Society for Epidemiologic Research
1993-current	American Heart Association Council on Epidemiology and Prevention
1998-current	Associate Fellow, then Fellow of the American Heart Association Council on Epidemiology and Prevention
2008-current	American Epidemiological Society

Special local responsibilities

1995-	Royalty Research Fund peer reviewer, University of Washington
1997-	Group Health Cooperative Human Subjects Review Committee, alternate
2000-2002	NHLBI Clinical Research Curriculum Award (K30) training program: Masters Degree Program Steering Committee member
2001-2002	Group Health Cooperative Human Subjects Review Committee, member
2002-2007	NHLBI Clinical Research Curriculum Award (K30) training program: Chair of the Degree Program and Member of the Executive Committee
2004-2006	Computer Information Systems Oversight Committee, Center for Health Studies, Group Health Cooperative
2007-2009	Institute of Translational Health Sciences Tuition Support Fellows Program, Director
2007- 2012	Institute of Translational Health Sciences KL2 Trainee Selection Committee, member
2009-2010	Institute of Translational Health Sciences Lifelong Learning Program, Director
2010-	Safety Officer, Brain Regulation and Appetite in Twins Study, E. Schur, PI
2011-2015	University of Washington Department of Epidemiology Graduate Certificate Programs, Director
2015-	T32 Palliative Care Research Training Program, Associate Program Director

Special national and international responsibilities

1995-	Women's Health Initiative Outcomes Scientific Advisory Committee
1996-	Women's Health Initiative Cardiovascular Outcomes Central Adjudication Committee
1997-	Women's Health Initiative Morbidity and Mortality Committee
1998	NIH Special Emphasis Panel, Cardiovascular Sciences IRG, member
1999	NIA/NIDDK/NHLBI Workshop: Identifying diabetes in older adults: Implications of changes in diagnosis and classification criteria on epidemiologic research and clinical practice, member
2000-2005	American Heart Association National Peer Review Committee, Behavioral Science, Epidemiology, and Prevention 2 Study Section, member
2000-	Multi-Ethnic Study of Atherosclerosis, Ancillary Studies Committee; Chair 2004 - present
2000-	Multi-Ethnic Study of Atherosclerosis, Magnetic Resonance Imaging Committee, member
2002-	Women's Health Initiative Observational Study Blood Sample Competition, Review Group for the Coordinating Center
2003-2008	Chair, Data Safety Monitoring Board Committee, "A Population-Based Randomized Trial to Assess the Effects of Short-Term HRT Cessation on Mammography Assessments and Breast Density," Group Health
2004-2006	Leadership Committee of the Epidemiology and Prevention Council, American Heart Association; Member-at-Large
2005, 2006	NIH Clinical and Integrative Cardiovascular Science Study Section, member (written critique)
2004	Abstract reviewer for American Heart Association Epidemiology and Prevention Council 2005 meeting
2006-2010	FDA Drug Safety and Risk Management Advisory Committee, Member

Special national and international responsibilities (continued)

During 2010-13	FDA Endocrinologic and Metabolic Drugs Advisory Committee and Peripheral and Central Nervous System Drugs Advisory Committee, Temporary Member; Dental Products Panel, Member
2006-2010	Candidate Gene Association Resource (CARE) Study Phenotype Subcommittee, Co-chair
2008	Abstract reviewer for American Heart Association Epidemiology and Prevention Council 2009 meeting
2008	National Human Genome Research Institute Special Emphasis Panel, member
2008	NHLBI Workshop: Prevention of atrial fibrillation, panel leader and writing group member
2008-2009-2011	Cardiovascular Health Study, Laboratory and Genetics Committee, member Epidemiology and Prevention Council Nominating Committee, American Heart Association, member
2009	National Institutes of Health Special Emphasis Panel/Scientific Review Group, mail reviewer
2011-2015	NIH Cardiovascular and Sleep Epidemiology (CASE) Study Section, member
2014-2015-	FDA Endocrinologic and Metabolic Drugs Advisory Committee, Member Hispanic Community Health Study/Study of Latinos Observational Study Monitoring Board, member
2015-	Trans-Omics for Precision Medicine (TOPMed) Whole Genome Sequencing Phenotype Harmonization Committee, Chair
2015-	Study of Genetics of Atrial Fibrillation in an African Population (SIGNAL) Publications Committee, member

Manuscript reviewer

1993-	<i>ACP Journal Club</i>
1995-	<i>Journal of Clinical Epidemiology</i>
1995-	<i>Circulation</i>
1997-	<i>Journal of the American Geriatrics Society</i>
1997-	<i>American Journal of Epidemiology</i>
1998-	<i>New England Journal of Medicine</i>
1999-	<i>Lancet</i>
1999-	<i>JAMA</i>
2001-	<i>Annals of Epidemiology</i>
2001-	<i>American Journal of Medicine</i>
2002-	<i>Journal of General Internal Medicine</i>
2003-	<i>Journal of the American College of Cardiology</i>
2008-	<i>Archives of Internal Medicine / JAMA Internal Medicine</i>
2008-	<i>Journal of Thrombosis and Haemostasis</i>
2010-	<i>Annals of Internal Medicine</i>
2012-	<i>Circulation: Cardiovascular Quality and Outcomes</i>
2013-	<i>European Journal of Epidemiology</i>
2013-	<i>Heart</i>

Consultancies

1993-1998	Consultant in Pharmacoepidemiology, HCFA-funded project entitled "Evaluation of Drug Use Review Demonstration Projects"
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BIBLIOGRAPHY

REFEREED RESEARCH ARTICLES - PUBLISHED

1. Birss SA, Longwell A, **Heckbert S**, Keller N. Ocular hypotensive efficacy of topical epinephrine in normotensive and hypertensive rabbits: continuous delivery vs. eyedrops. *Ann Ophthalmol* 1978;10:1045-54.
2. Weiss NS, **Heckbert SR**. Patients as their own controls in studies of therapeutic efficacy: Can we trust the results of non-randomized trials? *J Gen Intern Med* 1988;3:381-3.
3. **Heckbert SR**, Stephens CR, Daling JR. Diabetes in pregnancy: maternal and infant outcome. *Paed Perinatal Epidemiol* 1988;2:314-26.
4. **Heckbert SR**, Stryker WS, Coltin KL, Manson JE, Platt R. Serum sickness in children after antibiotic exposure: estimates of occurrence and morbidity in a health maintenance organization population. *Am J Epidemiol* 1990;132:336-42.
5. **Heckbert SR**, Weiss NS, Hornung SK, Eaton DL, Motulsky AG. Glutathione S-transferase and epoxide hydrolase activity in human leukocytes in relation to risk of lung and other smoking-related cancers. *J Natl Cancer Inst* 1992;84:414-22.
6. **Heckbert SR**, Elarth A, Nolan CM. The impact of human immunodeficiency virus infection on tuberculosis in young men in Seattle-King County, Washington. *Chest* 1992; 102:433-7.
7. Psaty BM, **Heckbert SR**, Atkins D, Siscovick DS, Koepsell TD, Wahl PW, Longstreth TD Jr, Weiss NS, Wagner EH, Prentice R, Furberg CD. A review of the association of estrogens and progestins with cardiovascular disease in post-menopausal women. *Arch Intern Med* 1993;153:1421-7.
8. **Heckbert SR**, Mtshali G, Platt R. Effect of federally mandated education policies on prescribing of isotretinoin to women of childbearing age. *Pharmacoepidemiol Drug Saf* 1993;2:217-21.
9. Psaty BM, **Heckbert SR**, Atkins D, Lemaitre R, Koepsell TD, Wahl PW, Siscovick DS, Wagner EH. The risk of myocardial infarction associated with the combined use of estrogens and progestins in postmenopausal women. *Arch Intern Med* 1994;154:1333-9.
10. Psaty BM, Koepsell TD, Yanez D, Smith NL, Manolio TA, **Heckbert SR**, Borhani NO, Gardin JM, Gottdiener JS, Rutan GH, Siscovick DS, Furberg CD. Temporal patterns of antihypertensive medication use among older adults, 1989 through 1992. An effect of the major clinical trials on clinical practice? *JAMA* 1995;273:1436-8.
11. * Lemaitre RN, **Heckbert SR**, Psaty BM, Siscovick DS. Leisure-time physical activity and the risk of non-fatal myocardial infarction in post-menopausal women. *Arch Intern Med* 1995;155:2302-8.

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12. Psaty BM, **Heckbert SR**, Koepsell TD, Siscovick DS, Raghunathan TE, Weiss NS, Rosendaal FR, Lemaitre RN, Smith NL, Wahl PW, Wagner EH, Furberg CD. The risk of myocardial infarction associated with antihypertensive drug therapies. *JAMA* 1995;274: 620-5.
13. Psaty BM, Siscovick DS, Weiss NS, Koepsell TD, Rosendaal FR, Lin D, **Heckbert SR**, Wagner EH, Furberg CD. Hypertension and outcomes research: from clinical trials to clinical epidemiology. *Am J Hypertens* 1996;9:178-83.
14. * Lahad A, **Heckbert SR**, Patrick DL, Psaty BM. Hostility, aggression and the association with hypertension in post-menopausal women. *J Human Hypertens* 1996;10(Suppl 3):S115-21.
15. Newton KM, LaCroix AZ, McKnight B, Knopp RH, Siscovick DS, **Heckbert SR**, Weiss NS. Estrogen replacement therapy and prognosis after first myocardial infarction. *Am J Epidemiol* 1997;145(3):269-77.
16. Psaty BM, Smith NL, Siscovick DS, Koepsell TD, Weiss NS, **Heckbert SR**, Lemaitre RN, Wagner EH, Furberg CD. Health outcomes associated with antihypertensive therapies used as first-line agents. A systematic review and meta-analysis. *JAMA* 1997;277:739-45.
17. **Heckbert SR**, Weiss NS, Koepsell TD, Lemaitre RN, Smith NL, Siscovick DS, Psaty BM. Duration of estrogen replacement therapy in relation to the risk of incident myocardial infarction in postmenopausal women. *Arch Intern Med* 1997;157:1330-6.
18. * Lahad A, **Heckbert SR**, Koepsell TD, Psaty BM, Patrick DL. Hostility, aggression and the risk of non-fatal myocardial infarction in postmenopausal women. *J Psychosom Res* 1997;43:183-195.
19. **Heckbert SR**, Longstreth WT Jr, Psaty BM, Murros KE, Smith NL, Newman AB, Williamson JB, Bernick C, Furberg CD. The association of anti-hypertensive agents with MRI white matter findings and with Modified Mini-Mental State Examination in older adults. *J Am Geriatr Soc* 1997;45:1423-1433.
20. Smith NL, Psaty BM, **Heckbert SR**, Lemaitre RN, Kates DM, Rutan GH, Bleyer A. The association of antihypertensive medication with serum creatinine changes in older adults. *Am J Hypertens* 1997;10:1368-1377.
21. Kaplan RC, Psaty BM, Kriesel D, **Heckbert SR**, Smith NL, Gillett C, Golston AG. Replacing short-acting nifedipine with alternative medications. *Am J Hypertens* 1998;11: 471-477.
22. Smith NL, Psaty BM, Pitt B, Garg R, Gottdiener JS, **Heckbert SR**. Temporal patterns in the medical treatment of congestive heart failure with angiotensin-converting enzyme inhibitors in older adults, 1989-1995. *Arch Intern Med* 1998;158:1074-1080.

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23. **Heckbert SR**, Vedder NB, Hoffman W, Winn RK, Hudson, LD, Jurkovich GJ, Copass MK, Harlan JM, Rice CL, Maier RV. Outcome after hemorrhagic shock in trauma patients. *J Trauma* 1998;45:545-549.
24. * Kaplan RC, **Heckbert SR**, Weiss NS, Wahl PW, Smith NL, Newton KM, Psaty BM. Postmenopausal estrogens and risk of myocardial infarction in diabetic women. *Diabetes Care* 1998;21:1117-1121.
25. Smith NL, Reiber GE, Psaty BM, **Heckbert SR**, Siscovick DS, Ritchie JL, Every NR, Koepsell TD. Health outcomes associated with beta-blocker and diltiazem treatment of unstable angina. *J Am Coll Cardiol* 1998;32:1305-11.
26. Lemaitre RN, King IB, Patterson RE, Psaty BM, Kestin M, **Heckbert SR**. Assessment of trans-fatty acid intake with a food frequency questionnaire and validation with adipose tissue levels of trans-fatty acids. *Am J Epidemiol* 1998;148:1085-93.
27. Jackson LA, Smith NL, **Heckbert SR**, Grayston JT, Siscovick DS, Psaty BM. Lack of association between first myocardial infarction and past use of erythromycin, tetracycline, or doxycycline. *Emerg Infect Dis* 1999;5:281-4.
28. Jacobs EJ, White E, Weiss NS, **Heckbert SR**, LaCroix A, Barlow WE. Hormone replacement therapy and colon cancer among members of a health maintenance organization. *Epidemiology* 1999;10:445-51.
29. Smith NL, Psaty BM, **Heckbert SR**, Cornell ES, Tracy RP. The reliability of medication inventory methods compared to serum levels of cardiovascular drugs in the elderly. *J Clin Epidemiol* 1999;52:143-6.
30. Smith NL, **Heckbert SR**, Bittner VA, Savage PJ, Barzilay JI, Dobs AS, Psaty BM. Antidiabetic treatment trends in a cohort of elderly people with diabetes. The Cardiovascular Health Study, 1989-1997. *Diabetes Care* 1999;22:736-42.
31. Psaty BM, Weiss NS, Furberg CD, Koepsell TD, Siscovick DS, Rosendaal FR, Smith NL, **Heckbert SR**, Kaplan RL, Lin D, Fleming TR, Wagner EH. Surrogate endpoints, health outcomes, and the drug approval process for the treatment of risk factors for cardiovascular disease. *JAMA* 1999;282:786-90.
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33. Kaplan RC, Psaty BM, **Heckbert SR**, Smith NL, Lemaitre RN. Blood pressure level and incidence of myocardial infarction among patients treated for hypertension. *Am J Public Health* 1999;89:1414-17.
34. Klungel OH, Kaplan RC, **Heckbert SR**, Smith NL, Lemaitre RN, Longstreth WT Jr, Leufkens HGM, de Boer A, Psaty BM. Control of blood pressure and risk of stroke among pharmacologically treated hypertensive patients. *Stroke* 2000;31:420-4.

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35. Jackson LA, Smith NL, **Heckbert SR**, Grayston JT, Siscovick DS, Psaty BM. Past use of erythromycin, tetracycline, or doxycycline is not associated with risk of first myocardial infarction. *J Infect Dis* 2000;181(Suppl 3):S563-5.
36. Kaplan RC, **Heckbert SR**, Koepsell TD, Rosendaal FR, Psaty BM. Use of calcium channel blockers and risk of hospitalized gastrointestinal tract bleeding. *Arch Intern Med* 2000;160:1849-55.
37. Alem AM, Sherrard DJ, Gillen DL, Weiss NS, Beresford SA, **Heckbert SR**, Wong C, Stehman-Breen C. Increased risk of hip fracture among patients with end-stage renal disease. *Kidney Int.* 2000 Jul;58(1):396-9.
38. Klungel OH, **Heckbert SR**, Longstreth WT, Furberg CD, Kaplan RC, Smith NL, Lemaitre RN, Leufkens HGM, deBoer A, Psaty BM. Antihypertensive medications and the risk of ischemic stroke. *Arch Intern Med* 2000;161:37-43.
39. Stehman-Breen CO, Sherrard DJ, Alem AM, Gillen DL, **Heckbert SR**, Wong CS, Ball A, Weiss NS. Risk factors for hip fracture among patients with end-stage renal disease. *Kidney Int.* 2000;58:2200-2205.
40. Kaplan RC, **Heckbert SR**, Koepsell TD, Furberg CD, Polak JF, Schoen RE, Psaty BM. Risk factors for hospitalized gastrointestinal bleeding among older persons. Cardiovascular Health Study Investigators. *J Am Geriatr Soc* 2001;49:126-33.
41. Psaty BM, Smith NL, Lemaitre RN, Vos HL, **Heckbert SR**, LaCroix AZ, Rosendaal FR. Hormone replacement therapy, prothrombotic mutations, and the risk of incident nonfatal myocardial infarction in postmenopausal women. *JAMA* 2001;285:906-13.
42. **Heckbert SR**, Kaplan RC, Weiss NS, Psaty BM, Lin D, Furberg CD, Starr JR, Anderson GD, LaCroix AZ. Risk of recurrent coronary events in relation to use and recent initiation of postmenopausal hormone therapy. *Arch Intern Med* 2001;161:1709-13.
43. * Rea TD, **Heckbert SR**, Kaplan RC, Psaty BM, Smith NL, Lemaitre RN, Lin D. Body-mass index and the risk of recurrent coronary events following myocardial infarction. *Am J Cardiol* 2001;88:467-72.
44. Barzilay JI, Abraham L, **Heckbert SR**, Cushman M, Kuller LH, Resnick HE, Tracy RP. The relation of markers of inflammation to the development of glucose disorders in the elderly: The Cardiovascular Health Study. *Diabetes* 2001;50:2384-2389.
45. Smith NL, Barzilay JI, Shaffer D, Savage PJ, **Heckbert SR**, Kuller LH, Kronmal RA, Resnick HE, Psaty BM. Fasting and 2-hour postchallenge serum glucose measures and risk of incident cardiovascular events in the elderly: The Cardiovascular Health Study. *Arch Intern Med* 2002;162:209-216.
46. Dublin S, Rossing MA, **Heckbert SR**, Goff BA, Weiss NS. Risk of epithelial ovarian cancer in relation to use of antidepressants, benzodiazepines, and other centrally acting medications. *Cancer Causes Control* 2002;13:35-45.

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47. Smith NL, Savage PJ, **Heckbert SR**, Barzilay JI, Bittner VA, Kuller LH, Psaty BM. Glucose, blood pressure, and lipid control among elderly women and men with and without diabetes: the Cardiovascular Health Study. *J Am Geriatr Soc* 2002;50:416-423.
48. * Klungel OH, **Heckbert SR**, de Boer A, Leufkens HGM, Sullivan SD, Fishman PA, Veenstra DL, Psaty BM. Lipid-lowering drug use and cardiovascular events after myocardial infarction. *Ann Pharmacother* 2002;36:751-757.
49. Psaty BM, Smith NL, **Heckbert SR**, Vos HL, Lemaitre RN, Reiner AP, Siscovick DS, Bis J, Lumley T, Longstreth WT Jr, Rosendaal FR. Diuretic therapy, the alpha adducin variant, and the risk of myocardial infarction in subjects with treated hypertension. *JAMA* 2002;287:1680-1689.
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51. Kaplan RC, **Heckbert SR**, Koepsell TD, Rosendaal FR, Furberg CD, Cooper L, Psaty BM, for the Cardiovascular Health Study Investigators. Calcium channel blocker use and gastrointestinal bleeding among older adults. *Age Aging* 2002;31:217-218.
52. Kaplan RC, **Heckbert SR**, Psaty BM. Risk factors for hospitalized upper or lower gastrointestinal tract bleeding in treated hypertensives. *Prev Med* 2002;34:455-62.
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54. Lemaitre RN, Psaty BM, **Heckbert SR**, Kronmal RA, Newman AB, Burke GL. Therapy with hydroxymethylglutaryl coenzyme A reductase inhibitors (statins) and associated risk of incident cardiovascular events in older adults. Evidence from the Cardiovascular Health Study. *Arch Intern Med* 2002;162:1395-400.
55. Tsai AW, Cushman M, Rosamond WD, **Heckbert SR**, Polak JF, Folsom AR. Cardiovascular risk factors and venous thromboembolism incidence: The Longitudinal Investigation of Thromboembolism Etiology (LITE) Study. *Arch Intern Med* 2002;162:1182-9.
56. * Kaplan RC, **Heckbert SR**, Furberg CD, Psaty BM. Predictors of subsequent cardiovascular events among survivors of first hospitalized myocardial infarction. *J Clin Epidemiol* 2002;55:654-64.
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60. Lemaitre RN, **Heckbert SR**, Psaty BM, Smith NL, Kaplan RC, Longstreth WT Jr. Hormone replacement therapy and associated risk of stroke in postmenopausal women. *Arch Intern Med* 2002;162:1954-60.
61. Psaty BM, Manolio TA, Smith NL, **Heckbert SR**, Gottdiener J, Burke G, Weissfeld J, Enright P, Lumley T, Powe N, Furberg CD. Time trends in high blood pressure control and the use of antihypertensive medications in older adults: the Cardiovascular Health Study. *Arch Intern Med* 2002;162:2325-32.
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65. Lemaitre RN, Psaty BM, **Heckbert SR**, Smith NS, Longstreth WT Jr Rosendaal FR. Hormone replacement therapy, prothrombotic mutations, and the risk of incident non-fatal ischemic stroke in postmenopausal women. *Arterioscler Thromb Vasc Biol* 2002;22:1051-2.
66. Aleksic N, Folsom AR, Cushman M, **Heckbert SR**, Tsai MY, Wu KK. Prospective study of the A455V polymorphism in the thrombomodulin gene, plasma thrombomodulin, and incidence of venous thromboembolism: the LITE Study. *J Thromb Haemost* 2003;1:88-94.
67. Tsai AW, Cushman M, Tsai MY, **Heckbert SR**, Rosamond WD, Aleksic N, Yanez ND, Psaty BM, Folsom AR. Serum homocysteine, thermolabile variant of methylene tetrahydrofolate reductase (MTHFR) and venous thromboembolism: The Longitudinal Investigation of Thromboembolism Etiology (LITE). *Am J Hematol* 2003;72:192-200.

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69. **Heckbert SR**, Hindorff LA, Edwards KL, Psaty BM, Lumley T, Siscovick DS, Tang Z, Durda JP, Kronmal RA, Tracy RP. Beta-2 adrenergic receptor polymorphisms and risk of incident cardiovascular events in the elderly. *Circulation* 2003;107:2021-4.
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71. * Chien JW, Martin PJ, Gooley TA, Flowers ME, **Heckbert SR**, Nichols WG, Clark AG. Airflow obstruction after myeloablative allogeneic hematopoietic stem cell transplantation. *Am J Respir Crit Care Med* 2003;168:208-14.
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74. Manson JE, Hsia J, Johnson KC, Rossouw JE, Assaf AR, Lasser NL, Trevisan M, Black HR, **Heckbert SR**, Detrano R, Strickland OL, Wong ND, Crouse JR, Stein E, Cushman M. Estrogen plus progestin and risk of coronary heart disease: Final results from the Women's Health Initiative Randomized Clinical Trial. *N Engl J Med* 2003;349:523-34.
75. Smith NL, Lemaitre RN, **Heckbert SR**, Kaplan RC, Tirschwell DL, Longstreth WT Jr, Psaty BM. Serum potassium and stroke risk among treated hypertensive adults. *Am J Hypertens* 2003;16:806-13.
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Other non-refereed scholarly publications (EDITORIALS, COMMENTARIES, LETTERS)

1. **Heckbert SR.** Acquired immunodeficiency syndrome (AIDS), Septic shock, Toxic shock syndrome. In: Larson EB, Eisenberg MS. 2nd ed. *Manual of Admitting Orders and Therapeutics*. Philadelphia: W.B. Saunders, 1987:81-3,98-103.
2. Atkins D, **Heckbert SR.** Association of myocardial infarction with dietary and body iron. *ACP Journal Club* 1993;118 (Suppl. 1):20.
3. **Heckbert SR.** Higher levels of body weight and modest gains after 18 years of age increased the risk for CHD in women. *ACP Journal Club* 1995;123:22.
4. **Heckbert SR.** Higher "normal" body weight and gains after 18 years of age increased the risk for CHD in women. *Evidence-Based Medicine* 1995;1:25.
5. **Heckbert SR**, LaCroix AZ. Cardiovascular event classification in the very old: how accurate and how complete? *Epidemiology* 1997;8:473-4.
6. **Heckbert SR**, Weiss NS, Psaty BM. Hormone replacement therapy for secondary prevention of coronary heart disease [letter]. *JAMA* 1999;281:795-6.
7. Weiss NS, **Heckbert SR.** Thrombotic vascular events after change of statin [letter]. *Lancet* 1999;353:844.
8. Kaplan RC, **Heckbert SR**, Koepsell TD, Rosendaal FR, Psaty BM. Use of calcium channel blockers and risk of hospitalized gastrointestinal bleeding. *Heart Disease: A Journal of Cardiovascular Medicine* 2000.
9. **Heckbert SR.** Short-term hormone replacement therapy may increase the risk of recurrent coronary events, but long-term therapy reduces risk. *Evidence-Based Cardiovascular Medicine* 2002;6:34-5.
10. Floyd J, **Heckbert SR.** Trial of lorcaserin for weight management [letter]. *N Engl J Med* 2010;363: 2469.
11. Winterstein AG, **Heckbert SR**, Schambelan M. Intensive glucose lowering and cardiovascular outcomes. *N Engl J Med* 2011;364: 2263.

FUNDING HISTORY (cumulative)

FUNDED PROJECTS

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Total direct costs
4/88-6/90	FDA	Cooperative Agreement	Adverse effects of marketed drugs in hospitals	Co-Inv., 50% (R. Platt)	\$254,619
8/90 - 3/91	FDA	Subcontract w/ Brigham Wmn Hosp	Adverse effects of marketed drugs in hospitals	Subcontr. PI, 50% (R. Platt)	\$24,754
4/91-3/92	FDA	Subcontract w/ Brigham Wmn Hosp	Adverse effects of marketed drugs	Subcontr. PI, 75% (R. Platt)	\$57,717
9/91-9/95	NHLBI	R01	Calcium channel blockers and primary prevention of coronary heart disease	Proj. Director, 50% (B. Psaty)	\$1,412,173
10/91-6/92	American Cancer Society	Institutional small grant	Debrisoquine hydroxylation genotype and cancer risk	PI, 0%	\$9,400
12/91-6/93	Genentech, Inc.	Grant	Outcome following hemorrhagic shock	Epidemiologist, 30% (N. Vedder)	\$112,328
9/93-8/95	NHLBI	R01	Epidemiology of anti-hypertensive drugs in the elderly	Proj. Director, 50% (B. Psaty)	\$298,432
4/93-3/94	Upjohn Company	Grant	Ibuprofen and the risk of recurrent myocardial infarction - pilot study	PI, 10%	\$39,948
12/94-11/96	UW Clinical Nutrition Res. Unit	Pilot & Feasibility Grant	Dietary trans-fatty acids pilot study	PI, 5%	\$49,863
2/95-1/99	NHLBI	R01	Postmenopause progestins, MI and stroke	Proj. Director, 20% (B. Psaty)	\$553,529
9/95-8/99	NHLBI	R01	Effect of drug therapy on reinfarction risk in women	PI, 35%	\$704,749
9/95-9/10	NHLBI	Subcontract w/ FHCRC	Women's Health Initiative	Co-Inv., 20% (B. Psaty)	\$624,060 (subcontract)

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Total direct costs
96 - 97	ICOS Corp.	Grant	Phase 2 Pilot Study of Hu23F2G in Subjects with Hemorrhagic Shock	Co-Inv., 0% (N. Vedder)	\$197,150
2/96-5/00	NHLBI	R01	Antihypertensive medications, MI & stroke	Co-Inv., 20% (B. Psaty)	\$1,402,972
9/96-8/99	NIA	R01	Trends in the use of CVD medications in older adults	Co-Inv., 20% (B. Psaty)	\$412,247
5/97-4/00	NHLBI	Subcontract w/ FHCRC	Fatty acids as biomarkers of dietary fat intake	Subcontr. PI, 0% (M. Kestin)	\$24,411
7/97-6/01	NHLBI	Subcontract w/ GHC	Estrogen replacement and CVD outcomes in diabetic women	Subcontr. PI, 5% (K. Newton)	\$17,837
7/97-6/00	NHLBI	Supplement	To: Antihypertensive medications, MI & stroke; Pharmacogenetics and drug safety supplement	Co-Inv., 0% (B. Psaty)	\$197,806
7/97-12/01	NIA	Subcontract w/ FHCRC	Calcium channel blockers in breast cancer etiology	Subcontr. PI, 5% (J. Daling)	\$37,760
1/98-12/00	NHLBI	Subcontract w/ U Minn	Epidemiology of venous thrombosis and pulmonary embolism	Subcontr. PI, 5% (A. Folsom)	\$93,644
5/98-5/05	NHLBI	Contract	Cardiovascular Health Study Coordinating Center	Co-Inv., 10% (R. Kronmal)	\$11,132,601
9/98-8/02	NHLBI	R01	Prothrombotic mutations, hormone replacement therapy, and venous thromboembolism	Co-Inv., 30% (B. Psaty)	\$1,871,212
4/99-9/08	NHLBI	Contract	Subclinical cardiovascular disease study (MESA) – Coordinating Center	Co-Inv., 10% (R. Kronmal)	\$13,821,455

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Total direct costs
1/99-12/01	American Heart Association	Patient Care & Outcomes Research Program	Hormone replacement therapy, heritable prothrombotic mutations, and risk of MI or stroke	Co-Inv., 10% (B. Psaty)	\$499,959
9/99-8/01	NIA	R01	Pharmacogenetics and response to therapy in older adults	PI, 20%	\$414,350
10/99-9/03	Donald W. Reynolds Foundation	Grant	Center for Clinical Cardiovascular Research	Co-Inv. 5% (D. Siscovick)	\$428,037
10/00-9/05	NHLBI	K30	UW Clinical Research Training Program	Degree Program Chair & Co-Director, 10% (J. Probstfield)	\$1,060,292
1/01-12/05	NHLBI	R01	Antihypertensive drug-gene interactions and CV events	Co-Inv., 15% (B. Psaty)	\$2,480,603
5/01-4/05	NIA	R01	Trends in and outcomes of medication use in older adults	Co-Inv., 20% (B. Psaty)	\$1,981,236
1/02-12/02	Pfeiffer Foundation	Grant	Long-term antibiotic use as a breast cancer risk factor (Chris Velicer, PhC)	Consultant & Dissertation cmte chair, 0% (S. Taplin)	\$74,847
1/02-12/04	American Heart Association	Pharmaceutical Roundtable Outcomes Research Program	RAS haplotypes-antihypertensive drug interactions and the risk of MI or stroke	Co-Inv., 5% (B. Psaty)	\$454,519
7/02-6/06	NHLBI	R01	Atrial fibrillation incidence, risk factors and genetics	PI, 25%	\$2,328,876
9/02-8/06	NHLBI	R01	Hormone replacement therapy, prothrombotic variants, and risk of myocardial infarction or stroke	Co-inv., 10% (B. Psaty)	\$1,925,248

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Total direct costs
1/03-7/09	NHLBI	Subcontract w/ U Minn	Epidemiology of venous thrombosis and pulmonary embolism	Subcontr. PI, 10% (A. Folsom)	\$117,843
7/03-6/07	NHLBI	Subcontract with Johns Hopkins U	Serum sex hormone levels and subclinical atherosclerosis	Co-inv., 5% (P. Ouyang, R. Kronmal)	\$91,947
10/03-9/07	NHLBI	R01	Ancillary pharmacogenetics studies in heart, lung, blood, and sleep disorders	Co-inv., 15% (B. Psaty)	\$2,392,983
4/03-3/08	NIH	R01	Clotting genetic variants, hormones, and venous thrombosis	Co-inv., 10% (N. Smith)	\$2,392,642
4/05-3/09	NIH	R01	Depression-diabetes: Care disparities, adverse outcomes	Subcontr. Co-inv, 15% (W. Katon)	\$443,054
3/05-9/05	NIA	U01	Prevention of Alzheimers dementia and cognitive decline	Co-inv, 5% (J. Breitner)	\$4,042,044
9/05-9/07	NCRR	K30	UW Clinical Research Training Program	Co-Director & Degree Program Chair, 15% (J. Brunzell)	\$1,348,053
9/05-6/09	NHLBI	R01	Pharmacoepidemiology and pharmacogenetics of a statin AE	Co-inv., 15% (B. Psaty)	\$413,095
4/05-11/14	NHLBI	R01	CHS events follow-up study	Co-inv., 20% (B. Psaty)	\$1,220,971
3/07 -2/10	NHLBI	R01	WGA study to identify genetic variants associated with CV events in CHS	Co-inv., 5% (B. Psaty)	\$3,889,277
9/07-3/13	NHLBI	R01	Genome-wide case-only study of antihypertensive drug-gene interactions	Co-inv., 10% (B. Psaty)	\$6,917,708

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Total direct costs
4/07-3/08	NHLBI	Subcontract w/ Broad Institute	Large-scale genotyping of NHLBI cohorts	Co-inv., 10% (S. Gabriel)	\$223,308
9/07 – 9/10	NCRR	U54	Institute of Translational Health Sciences	Director, Continuing Translational Research Education, 15% (N. Disis)	\$12,220,458 (year 1)
7/08-6/10	NHGRI	Subcontract w/ Johns Hopkins Univ.	Genome-wide associations environmental interactions in the Lung Health Study	Subcontr. PI, 5% (K. Barnes)	\$23,330 (total)
8/08-8/15	NHLBI	Contract	Multi-Ethnic Study of Atherosclerosis (MESA) – Coordinating Center	Co-Inv, 10% (R. Kronmal)	\$1,599,298 (year 1)
4/09-3/13	NIH	R01	Identification of common genetic variants for atrial fibrillation and PR interval	Subcontr. PI, 5% (E. Benjamin & P. Ellinor)	\$18,715 (year 1)
9/09-8/14	NIA	U01	Alzheimer's Disease Patient Registry (ADPR)	Co-inv, 5% (E. Larson)	\$731,645 (year 1)
9/08-8/12	NIH	R01	Pharmacologic and pharmacogenetic associations with recurrent venous thrombosis	Co-inv, 10% (N. Smith)	\$382,909 (year 1)
1/09-12/11	AHA	Grant-in-Aid	Mechanisms and pharmacoepidemiology of myocardial infarction in HIV infection	Co-inv, 5% (H. Crane)	\$60,000 (year 1)
9/09-8/12	NHLBI	ARRA R01	Atrial fibrillation incidence, risk factors and genetics	PI, 25%	\$477,910 (year 1)
9/08-7/13	NHLBI	R01	Estrogens and pharmacogenetic risks of venous thrombosis in postmenopausal women	Co-inv, 10% (N. Smith)	\$560,154 (year 1)

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Direct costs
4/10-3/14	NHLBI	R01	Patterns of health care, treatment & outcomes in atrial fibrillation: PATH-AF	Multiple PI, 12.5%	\$83,974 (yr 1)
9/09-7/11	NHLBI	RC2	Building on GWAS for NHLBI-disease: The CHARGE Consortium	Co-inv, 5% (E. Boerwinkle)	\$271,968
9/09-6/10	NHLBI	UC2	Human exome sequencing in six well-phenotyped NHLB cohorts	Co-inv, 2% (S. Rich)	\$47,321
5/15/10-2/28/11	FDA	HHSF2232009 10006I	Efforts to Develop the Sentinel Initiative: <i>Methods Development</i>	Subcontract PI, 5% (A. Cook)	\$12,329
5/15/10-2/28/11	FDA	HHSF2232009 10006I	Efforts to Develop the Sentinel Initiative: <i>Review of the Evidence for Selected Health Outcomes of Interest (HOIs) — Atrial Fibrillation</i>	Subcontract PI, 5% (S. Dublin)	\$5,204
8/11-5/15	NHLBI	R01	Prospective meta-analyses of drug-gene interactions: CHARGE GWAS consortium	Co-Inv, 10% (B. Psaty)	\$978,987 (yr 1)
8/11-7/14	NHLBI	R21	Epidemiologic study of sick sinus syndrome	Subcontract PI, 10% (A. Alonso)	\$44,377 (yr 1)
9/11-3/16	NHLBI	Subcontract w/ FHCRC	Women's Health Initiative	Subcontract PI, 5% (G. Anderson)	\$49,367 (total)
1/12-1/16	NHLBI	R01	Genomics and pharmacodynamics of statin-related rhabdomyolysis	Co-Inv, 5% (B. Psaty)	\$517,934 (yr 1)
9/12-8/14	NIAID	R24	Validating cardiovascular risk estimates for patients with HIV using adjudicated myocardial infarctions	Co-inv, 5-13% (M. Saag)	\$502,314

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Direct costs
4/13-3/17	NHLBI	R01	Epidemiology of venous thrombosis and pulmonary embolism	Subcontract PI, 5% (A. Folsom)	\$13,291 (yr 1)
8/13-5/15	NHLBI	R21	Arterial structure and function and atrial fibrillation	Subcontract PI, 10% (L. Chen)	\$26,313 (yr 1)
9/13-5/17	NHLBI	R01	Genomics of cardiac electrical activity & arrhythmia	Co-Inv, 5% (N. Sotoodehnia)	\$619,104 (yr 1)
9/13-10/14	FDA	2014105987	Evaluation of findings from the OMOP in the Mini-sentinel distributed dataset	Subcontract PI, 7% (J. Nelson)	\$14,603
2/14-8/15	FDA	014138348	Efforts to Develop the Sentinel Initiative: Improvements to Prospective Routine Observational Monitoring Programs Tools (PROMPT)	Subcontract PI, 34% (J. Nelson)	\$81,292
4/14-3/18	NHLBI	R01	Rare variants and NHLBI traits in deeply phenotyped cohorts	Co-Inv, (B. Psaty, K. Rice, S. Rich), 2.5%	\$499,181 (yr 1)
7/14-6/16	NHLBI	R21	Atrial fibrillation in MESA and JHS	PI, 15%	\$75,000 (yr 1)
7/14-4/18	NHLBI	R01	T-cell subsets as CVD risk factors in CHS and MESA	Co-Inv, (B. Psaty)	\$493,215 (yr 1)
9/14-8/15	NHLBI	R56	Cardiovascular, pulmonary and hematological disease in HIV: Prevention & treatment	Multiple PI, 20%	\$603,859 (yr 1)
2/15-8/16	FDA		Efforts to Develop the Sentinel Initiative: Comparison of safety signaling methods for survival outcomes to control for confounding in the MSDD	Subcontract PI, 10% (A. Cook)	\$36,748

FUNDED PROJECTS (continued)

Dates	Funding Agency	Type	Title	My role, % Effort (PI)	Direct costs
6/15-5/20	NHLBI	R01	Rare sequence variation and diabetes quantitative traits	Subcontract PI, 5% (Meigs)	\$39,817 (yr 1)
9/15-8/19	NHLBI	R01	Cardiovascular, pulmonary and hematological disease in HIV: Prevention & treatment	Multiple PI, 20%	\$603,860 (yr 1)
7/15-6/19	NHLBI	R01	Atrial fibrillation burden, vascular disease of the brain, and cardiac MRI in MESA	PI, 25%	\$1,263,765 (yr 1)
8/15-8/21	NHLBI	Contract	Multi-Ethnic Study of Atherosclerosis (MESA) – Coordinating Center	Co-Inv, 3% (R. McClelland)	\$4,364,817 (year 1)
5/15-3/16	NHLBI	R01 Supplement	Rare variants and NHLBI traits in deeply phenotyped cohorts: Trans-Omics for Precision Medicine (TOPMed)	Co-Inv, (B. Psaty, K. Rice, S. Rich, B. Weir), 10%	\$1,416,026 (yr 1)

PENDING APPLICATIONS

Application deadline	Funding Agency	Type	Title	My role, % Effort (PI)	Direct costs
Jul 2015	NIH; score 3 rd percentile	R01	Plasma sphingolipids and risk of cardiovascular disease	Co-Investigator, (Lemaitre)	
Oct 2015	NIH	R01	CHS research resources for the cardiovascular health of older adults	Co-Investigator, 4% (Psaty)	>\$500,000 (year 1)
Oct 2015	NIH	R21	Associations between medication use and left ventricular mass, volume, and systolic function in a multi-ethnic cohort	Co-Investigator, (Delaney)	
Nov 2015	NIEHS	R01	Air pollution, heart failure and atrial fibrillation in MESA	Co-Investigator, (J. Kaufman)	
Dec 2015	NIA	R01	Reclaiming and revitalizing ACT records with modern archiving methods & technology	Co-Investigator, (Mac Donald, P. Crane, E. Larson)	
Dec 2015	NIA	R01	Inflammation, Preclinical AD, and Brain Structure in Four Ethnicities: MESA	Co-Investigator, (Fitzpatrick)	
Jan 2016	NHLBI	R01	Risk, management and outcomes of COPD in HIV infection	Co-Investigator, (Crothers)	
Feb 2016	NIH	R01	Innate and adaptive immune-cell densities as risk factors for heart failure	Co-Investigator, (Psaty)	

CONFERENCES AND SYMPOSIA

Invited Oral Presentations (National and International)

"Inherited susceptibility to environmental carcinogens," Charles A. Dana Foundation Conference on Genetic and Environmental Factors in Neurologic Function and Disease, Johns Hopkins University, Baltimore, MD, 1988.

"An epidemiologic study of carcinogen-metabolizing enzymes and smoking related cancer," Charles A. Dana Foundation Conference on Environmental Factors that Influence Health and Disease in Older People, Rye, NY, 1989.

Panel discussant for keynote address at Society of General Internal Medicine Northwest Regional Meeting, Portland, OR, February 24, 1995.

"Hyperglycemia and retinopathy in the Cardiovascular Health Study," Joint NIA/NIDDK/NHLBI meeting, "Hyperglycemia in Older Adults: Implications of Changes in Diagnosis and Classification Criteria on Epidemiologic Research and Clinical Practice." Bethesda, MD, September, 1999.

"Negative data from clinical and epidemiologic studies." Invited panelist for the session entitled, "Hormone replacement therapy: Pros and cons." American Heart Association Scientific Sessions. Chicago, IL, November 2002.

"Hormone therapy and coronary disease: Lessons learned from the Women's Health Initiative." John Locke Symposium, 2nd Annual Preventive Cardiology Conference, Swedish Heart Institute, Swedish Medical Center, Seattle, WA, October, 2003.

"Risk factors for recurrent cardiovascular disease: Population-based research at GHC." Group Health Cooperative Center for Health Studies Seminar, Group Health Cooperative, Seattle, WA, November 2003.

"Thrombosis in atrial fibrillation." LeDucq Foundation Network Against Thrombosis conference, University of Washington, Seattle, WA, June 2006.

"Observational data sets and research opportunities in atrial fibrillation." Panel Leader, NHLBI Workshop: Prevention of Atrial Fibrillation, Bethesda, MD, April 2008.

"Clinical challenges associated with warfarin use." Oklahoma Medical Research Foundation Thrombosis Symposium, May, 2008

Panelist for "Epidemiology and Outcomes in Atrial Fibrillation" Abstract Digital Dialogue at American Heart Association Scientific Sessions 2010, Chicago, IL, November 2010.

"Outcome measurement." Drug Safety Seminar, Kaiser Permanente Center for Effectiveness and Safety Research, Portland, OR, November 2010.

Moderator for "Drug Safety" session at American Heart Association Epidemiology and Prevention Council/Nutrition, Physical Activity and Metabolism Council meeting, San Diego, CA, March 2012.

Invited Oral Presentations (National and International, continued)

“Design of postmarketing safety study, choice of comparison group, and control for confounding.” International Workshop on Safety Surveillance of Post-Market Chinese Medicine Injection. Beijing, China, April 2012.

“Atrial fibrillation in the aging population,” T32 NIA T32 Training Program: “Improving Health Care in Aging Women”, Group Health Cooperative, Seattle, WA, October 2015.

UNIVERSITY SERVICE

Search Committee member, Assistant or Associate Professor in Pharmacoepidemiology and Drug Policy, Department of Pharmacy, School of Pharmacy, 1990-91.

Associate, Clinical Nutrition Research Unit, Harborview Medical Center, 1993-current.

Invited presentation, "Postmenopausal hormone use and the incidence of coronary heart disease," University of Washington School of Public Health and Community Medicine Visiting Committee, January 29, 1993.

Graduate Admissions Committee member, Department of Epidemiology, 1993-95.

Invited presentation, "The epidemiology of hemorrhagic shock," Surgery Grand Rounds, University of Washington; December, 1993.

NHLBI Cardiovascular Epidemiology Training Program (NIH T32); Oversight Committee member, 1998-current.

Search Committee member, Research Assistant or Research Associate Professor in Cardiovascular Epidemiology, Department of Epidemiology, 1999-2000.

Graduate Admissions Committee member, Department of Epidemiology, 2000-2004.

School of Public Health World Wide Web Advisory Group, Department of Epidemiology faculty advisor, 2000-2003.

Search Committee chair, Research Assistant Professor to conduct research in a coordinating center environment, Department of Epidemiology, 2000-2001.

Faculty Council alternate member for the Department of Epidemiology, School of Public Health and Community Medicine, 2000-2004.

Promotion Committee member, Research Assistant Professor to Research Associate Professor, Department of Epidemiology, 2004.

Search Committee member, tenure-track Assistant Professor to teach and conduct research in pharmacoepidemiology, Department of Pharmacy, 2005.

Faculty member, Pediatric Nephrology T32 Training Program, Children's Hospital and Regional Medical Center, 2005-current.

Strategic Planning Committee member, Department of Epidemiology, 2006-2008.

NIH Clinical and Translational Science Award "UW Institute of Translational Health Sciences" Education Core, Director of the Fellows Program, 2007-2009.

"Atrial Fibrillation: Risk Factors and Genetics", Cardiology Grand Rounds, January 2008.

Promotion Committee Chair, Associate Professor to Professor, Department of Epidemiology, 2009.

UNIVERSITY SERVICE (continued)

Graduate Admissions Committee member, Department of Epidemiology, 2009-2011.

Institute of Translational Health Sciences Lifelong Learning Program, Director, 2009-2010.

Invited presentation, "Genome-wide association studies of cardiovascular disease phenotypes", Public Health Genetics Seminar, February 2011.

Department of Epidemiology Graduate Certificate Programs, Director, 2011-2015.

"The Cardiovascular Health Research Unit; 20 years of CVD research." Group Health Research Institute Scientific Seminar. Group Health Research Institute, Seattle, WA, March 2012.

"Atrial fibrillation as an adverse effect of drug therapy." WHI Clinical Coordinating Center Investigator meeting. Fred Hutchinson Cancer Research Center, April 2012.

Promotion Committee Member, Assistant Professor to Associate Professor, Department of Epidemiology, 2012.

Curriculum Committee member, Department of Epidemiology, 2015- .

Invited presentation, "An epidemiologist's perspective on atrial fibrillation," Cardiology Electrophysiology Group Seminar, October 2015.

TEACHING HISTORY

FORMAL (CLASSROOM) TEACHING

Course number	Title	Description	Credits	When taught	Students	Percent of Responsibility
HuBio 535P, 560P	Introduction to Clinical Medicine	Required course for med students; teaches physical diagnosis skills	NA	84,85, 86,91	2 or 3	1 or 2 sessions per year
HuBio 530P	Epidemiology	Required course for med students; introduction to epidemiology	NA	88,92, 93,94, 95,96, 97	12-20	1 or 2 sessions per year
Epi 524	Epidemiologic Studies of Cancer Etiology and Prevention	Elective course	3	91	15-20	1 lecture per year
Epi 583	Epidemiology Seminar	Required/elective course	1	90,93, 11	40	1 lecture per year
Epi 533 / Pharm 533	Pharmaco-epidemiology	Elective for SPHCM students; required course for Pharmacy PhD (starting 1999)	3	92,93, 94,95, 96,99, 00,02, 04,06, 08,10, 12,14	7-25	'92, 50% responsibility '93, '94, '95, '96, 100% responsibility '99, 50% responsibility '00, 100% responsibility '02, '04, '06, '08, '10 50% responsibility
Epi 519	Cardiovascular Epidemiology	Elective course	3	Every year, 1998-2014	8-10	1-2 lectures per year
Epi 591	Current Literature in Epidemiology	Elective course	1	98,00	15	1 lecture per year
Epi/HServ 590 O	Select Topics	Required research methods course for RWJ Scholars	2	00	15	1 lecture
PubHlth Genet 580	Interactive Seminar in Public Health Genetics	Elective seminar	1	2011	~35	1 lecture

INDIVIDUAL STUDY

Course number	Title	Credits	Year	Students
Epi 600	Independent Study or Research	Varies	00,01,02, 03,04,05, 09,11,12, 13	R. Lemaitre, A. Lahad, A. Kausz, B. Wang, R. Fox-Dewhurst, J. Starr, T. Rea, L. Hindorff, D. Carr, A. Mahoney, R. Garg, C. Levine, M. Kesarwani, A. Aminoff, S. Dhar, T. Goldman, Z. Steinberg
Epi 700	Master's Thesis	Varies	98,00,01, 02,03, 04,05, 06, 07, 08, 09, 10,11,12, 13,14	R. Lemaitre, A. Lahad, R. Kaplan, B. Wang, R. Fox-Dewhurst, A. Kausz, A. Alem, T. Lewis, C. Frigon, J. Chien, L. Hindorff, F. Pascual, C. Lee, S. Akhtar, J. Kahn, A. Mahoney, R. Stapleton, D. Carr, C. Cooke, P. Paramsothy, D. Frank, M. Thomas, C. Don, K. Branch, K. Luckritz, C. Seymour, V. Karir, Y. Lin, D. Owens, C. Levine, E. Parsons, P. Jensen, E. Kirkham
Epi 800	Doctoral Dissertation	Varies	01,03, 04, 09, 10,11,12, 13,14,15	C. Velicer, G. Schellenbaum, E. Thacker, E. Wallace, P. Jensen, R. Drieling

ADVISING AND FORMAL MENTORING

PhD DISSERTATIONS

Student	Dept.	Title	Years	Role	Status
Eric Jacobs	Epi	Hormone replacement therapy and colon cancer in women	1994-96	Committee member	completed
Nicholas L. Smith	Epi	The medical treatment of unstable Angina	1995-98	Committee member	completed
Sascha Dublin, MD	Epi	Ovarian cancer and prescription drug use	1996-99	Committee member	completed
Robert Kaplan	Epi	Calcium channel blocker use and the risk of gastrointestinal bleeding	1997-99	Committee member	completed
Thanh Ton	Epi	Nonsteroidal anti-inflammatory drugs and the risk of Parkinson's disease	2000-04	Committee member	completed
Timothy McMillen	Nutr Sci	Myeloperoxidase and type 1 diabetes mellitus	2000-03	Graduate School Rep	completed
Chris Velicer	Epi	Long-term oral antibiotic use as a breast cancer risk factor	2000-03	Committee chair	completed
Denise Boudreau	Pharmacy	The association between HMG-CoA inhibitor use and breast cancer	2001-02	Committee member	completed
Lihong Qi	Biost	Analysis of failure time data under risk set sampling and missing covariates	2002-03	Committee member	completed
Thy Do	Pharmacy	Discontinuation of beta-blocker therapy: Methods, Application, and Policy Implication	2003-06	Committee member	completed
Joshua C. Bis	Epi	Inflammation genetics, gene expression, and risk of MI and stroke	2005-07	Committee member	completed
Leslie Taylor	Biost	Estimating causal treatment effect in clinical trials with noncompliance and missing data	2006-08	Graduate School Rep	completed

PhD DISSERTATIONS (continued)

Student	Dept.	Title	Years	Role	Status
Cara Carty	Epi	Association between the acute inflammatory response and clinical and sub-clinical cardiovascular disease	2006-08	Committee member	completed
Benjamin C. French	Biost	The analysis of aggregate longitudinal data with time-dependent exposure	2006-08	Graduate School Rep	completed
Catherine O. Johnson	Epi	BK viral infection and chronic kidney disease	2007-09	Committee member	completed
Evan Thacker	Epi	Progression and complications of atrial fibrillation	2009-11	Committee chair	completed
Daniel Capurro, MD	Bio Inf*	Use of electronic medical records data for clinical research, health services research, and quality improvement	2010-12	Committee member & GSR	completed
Erin R. Wallace	Epi	Atrial fibrillation in relation to active life expectancy, functional decline, and the risk of osteoporotic fracture in the Cardiovascular Health Study	2011-13	Committee chair	completed
Paul N. Jensen	Epi	A health survey of cardiovascular disease risk factors in Viet Nam	2012-2014	Committee chair	completed
Rebecca Drieling	Epi	Osteoporosis medication use and fracture risk in the Women's Health Initiative	2012-2015	Committee chair	completed
Laura Harrington	Epi	The hormonal milieu associated with thrombosis in postmenopausal women	2013-2015	Committee member	completed

* Bio Inf = Biomedical informatics

MASTER'S THESES

Student	Dept.	Title / Topic	Years	Role	Status
Rozenn Lemaitre	Epi	Leisure time physical activity and the risk of myocardial infarction in women	1993-94	Committee Chair	completed
Amnon Lahad, MD	Epi	Aggression and hostility and the risk of myocardial infarction in women	1993-94	Committee Chair	completed
Bennet Wang, MD	Epi	Causes of mortality in patients with ARDS	1995-97	Committee Chair	completed
Robert Kaplan	Epi	Hormone replacement therapy and the risk of myocardial infarction in postmenopausal diabetic women	1996-97	Committee Chair	completed
Astier M. Alem, MD	Epi	Increased risk of hip fracture among patients with end-stage renal disease	1997-00	Committee member	completed
Annamaria Kausz, MD	Epi	A randomized controlled trial of iron supplementation strategies among hemodialysis patients	1997-98	Committee chair	completed
Toby Lewis, MD	Epi	Prevalence of asthma and chronic respiratory symptoms in Alaska native adolescents	1998-99	Committee member	completed
Chantal Frigon, MD	Epi	Fraction of inspired oxygen in relation to subarachnoid cerebrospinal fluid hyperintensity during brain magnetic resonance images in children under general anesthesia	2000-01	Committee chair	completed
Lucia Hindorff	Epi	The A1166C polymorphism of the angiotensin II type 1 receptor in relation to hypertension, blood pressure characteristics and cardiovascular events in Caucasian and African-American older adults	2000-01	Committee chair	completed

MASTER'S THESES (continued)

Student	Dept.	Title / Topic	Years	Role	Status
Fred Pascual, MD	Epi	Incidence and outcome of persistent ventilator dependence after the acute respiratory distress syndrome	2001	Committee chair	completed
James Heffelfinger, MD	Epi	Influenza vaccination and risk of incident myocardial infarction or stroke	2001	Committee member	completed
Gina Schellenbaum	Epi	Congestive heart failure and all-cause mortality in the elderly	2002-03	Committee member	completed
Nicole Glazer	Epi	Inadequate cholesterol control among hypertensives and the risk of myocardial infarction	2003	Committee member	completed
Saadia Akhtar, MD	Epi	Epidemiology of pediatric ALI/ARDS in King County, Washington	2003	Committee chair	completed
Chloe Chien	Epi	Antidepressant use and breast cancer risk	2003-04	Committee member	completed
Manish Mohanka, MD	Epi	Blood lipid changes in overweight postmenopausal women after 1-year aerobic exercise intervention: The PATH study	2003-04	Committee member	completed
Eyal Oren	Epi	Obesity and the risk of venous thrombosis in post-menopausal women	2003-04	Committee member	completed
Jeremy Kahn, MD	Epi	Acute lung injury in subarachnoid hemorrhage	2003-04	Committee Chair	completed
Renee Stapleton, MD	Epi	Early versus delayed enteral feeding in patients with acute lung injury	2004-05	Committee chair	completed
Ted Kohler, MD	Epi	Restenosis risk among patients with revascularization in relation to inflammation markers	2003-4	Committee member	completed
Anne Mahoney, MD	Epi	Barriers to physician recognition of acute lung injury	2004	Committee chair	completed

MASTER'S THESES (continued)

Student	Dept.	Title / Topic	Years	Role	Status
Darcy Carr, MD	Epi	Gestational diabetes increases the risk of cardiovascular disease in women with a family history of type 2 diabetes	2004-05	Committee chair	completed
Maneesh Batra, MD	Epi	Geographic and occupational risk factors for ventricular septal defects, Washington state 1987-2003	2005-06	Committee member	completed
Colin R. Cooke, MD	Epi	Severity of illness measures in a population based cohort of acute lung injury	2005-7	Committee Chair	completed
David Simon, MD	Epi	Fluid removal rates and survival in pediatric chronic renal replacement therapy patients	2006	Committee member	completed
Pathmaja Paramsothy, MD	Epi	Racial variation in the prevalence of combined hyperlipidemia as categorized by obesity and insulin resistance	2005-7	Committee chair	completed
Danielle Frank, MD	Epi	Performance of an alcohol screening test (AUDIT-C) in blacks, whites, and hispanics	2006-7	Committee chair	completed
Creighton Don, MD	Epi	Characteristics of patients receiving therapy for acute coronary syndrome in Washington State, 2002-2005	2007-8	Committee Chair	completed
Matthew Thomas	Epi	Blood pressure control and risk of incident atrial fibrillation among patients treated for hypertension	2006-7	Committee Chair	completed
Yvonne Lin, PhD	Epi	Association of atomoxetine treatment with growth in children with attention-deficit/hyperactivity disorder	2008-	Committee Chair	in progress
Kera E. Luckritz, MD	Epi	Body mass index (BMI) and healthy weight in relation to school meal participation: an NHANES analysis	2008-10	Committee Chair	completed

MASTER'S THESES (continued)

Student	Dept.	Title / Topic	Years	Role	Status
Kelley Branch, MD	Epi	Accuracy of whole chest ECG-gated CT to detect coronary artery disease in emergency department patients with potential acute coronary syndrome	2008-09	Committee member	completed
Christopher Seymour, MD	Epi	Out-of-hospital prediction of acute respiratory failure requiring mechanical ventilation	2008-10	Committee Chair	completed
Veena Karir, PharmD	Epi	Practice variability in the treatment and assessment of critical-illness related corticosteroid insufficiency	2008-09	Committee Chair	completed
Ellen Schur, MD	Epi	The association of restrained eating with weight change over time in a community-based sample of twins	2008	Committee member	completed
David S. Owens, MD	Epi	Aortic valve calcification as a predictor of cardiovascular events in the Multi-Ethnic Study of Atherosclerosis	2009-13	Committee Chair	completed
James Floyd, MD	Epi	A case-control study of rhabdomyolysis and drug-drug interactions in statin users	2010-11	Committee Member	completed
Paul N. Jensen	Epi	Incidence of atrial fibrillation in whites and African-Americans	2011	Committee Chair	completed
Corinna Levine, MD	Epi	Development and validation of a co-morbidity instrument for sleep apnea patients	2011	Committee Chair	completed
Elizabeth Parsons, MD	Epi	Red blood cell transfusion and physical function after acute lung injury	2010-11	Committee Chair	completed

MASTER'S THESES (continued)

Student	Dept.	Title / Topic	Years	Role	Status
Marc Blondon, MD	Epi	The association of smoking with venous thrombosis and its modification by exogenous hormones in women	2011-12	Committee member	completed
Erin M. Kirkham, MD	Epi	Obstructive sleep apnea and snoring in relation to high-risk carotid artery atherosclerosis	2012-14	Committee Chair	completed
Joanna Ghobrial, MD	Epi	Ethnic differences in sudden cardiac arrest	2013-14	Committee Chair	completed
Lauren Strand	Epi	Statin use in relation to physical function in the elderly	2015-	Committee member	in progress

**BASIC CLINICAL RESEARCH CERTIFICATE PROGRAM, DEPARTMENT OF
EPIDEMIOLOGY**

Student	Dept.	Title / Topic	Years	Role	Status
Manoj Kesarwani, MD	Medicine/ Cardiology	Evaluation of potential predictors of myocardial blood flow and perfusion reserve by cardiac PET after heart transplantation	2012-13	Capstone project advisor	Completed
Sunil Dhar, MD	Medicine/ Cardiology	Electrocardiographic markers of prognostic significance prior to trans catheter aortic valve implantation	2012-13	Capstone project advisor	Completed
Todd Goldman, MD	Medicine/ Cardiology	The effects of an aerobic exercise training program in patients with implantable cardioverter defibrillators on autonomic function, ventricular arrhythmia, and mortality	2012-13	Capstone project advisor	Completed
Alexandra Aminoff, MD	Pediatrics/ Pediatric Rheumatology	S100 proteins in oligoarticular juvenile idiopathic arthritis	2012-13	Capstone project advisor	Completed
Zachary Steinberg, MD	Medicine/ Cardiology	Comparison of early outcomes in patients undergoing transcatheter vs. surgical pulmonary valve replacement	2013-14	Capstone project advisor	Completed

OTHER MENTORING

Student/ Fellow	University; Department (degree)	Topic	Years	Role
Gerben Keijzers, visiting student	University of Nijmegen, Netherlands; Epidemiology (PhD)	Oral hypoglycemic therapy and risk of myocardial infarction in diabetics	1996	3-month internship supervisor
Lihong Qi	UW; Biostatistics (PhD)	Factor V Leiden in relation to myocardial infarction	2002	Biology project advisor
Sijian Grace Ge	UW; Biostatistics (PhD)	Hypertension: physiology, epidemiology, and genetics	2004	Biology project advisor
Leslie Taylor	UW; Biostatistics (PhD)	Atrial fibrillation	2005	Biology project advisor
Jessica Swart, RN	Pacific Lutheran University, Nursing (MS)	Practicum in Clinical Research Management	2005	Practicum preceptor
Ben French	UW; Biostatistics (PhD)	Depression and hypertension	2006	Biology project advisor
Karlijn J. van Stralen	Leiden University, Netherlands; Epidemiology (PhD)	Exercise and the risk of venous thrombosis in the elderly	2006	3-month international student exchange; LeDucq Foundation
Shanshan Zhao	UW; Biostatistics (PhD)	Biomarkers in cardiovascular disease	2010	Biology project advisor
Bing Yu	U Texas Health Science Ctr, Houston; Epidemiology (PhD)	Genome-wide association study of troponin T	2011	1-month visiting student, Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium Fellowship

OTHER MENTORING (continued)

Student/ Fellow	University; Department (degree)	Topic	Years	Role
Christy Avery	University of North Carolina, Epidemiology (post-doc)	drug-gene interactions on electrocardiographic QT interval	2013	research advisor

ACADEMIC ADVISING (students/fellows not listed above)

Student	Department	Years	Role
Rebecca Fox-Dewhurst, MD	Epidemiology/Respiratory Disease Fellow	1995 - 96	departmental advisor; independent study
Diana Buist	Epidemiology	1995 - 96	departmental advisor
Daniel Gustafsson, MD	Epidemiology	1998 - 99	departmental advisor
Thomas D. Rea, MD	Epidemiology	1998 – 00	research advisor
Audrey Wu, MD	Cardiology Fellow	2000	research advisor
Alexander P. Reiner, MD	Epidemiology	2000 – 01	research advisor
Jason Chien, MD	Epidemiology	2000 – 02	departmental advisor
Elanor Sidman	Epidemiology	1999 – 02	research advisor
Miriam Treggiari, MD	Epidemiology	1999 – 00	departmental advisor
Chin-Kuo Chang	Epidemiology	2000	research advisor
Dariusz Mozaffarian, MD	Epidemiology/ Cardiology Fellow	2000	research advisor
Nona Sotoodehnia, MD	Cardiology Fellow	2001 – 08	research advisor, mentor for K08 award
Maryam Asgari, MD	Epidemiology/ Dermatology Fellow	2002	research advisor
Catherine Terri Lee, MD	Epidemiology/ Respiratory Disease Fellow	2002	research advisor
Carine Doggen, PhD	Epidemiology, visiting postdoctoral fellow	2002 – 3	research advisor
Job van der Palen, PhD	Epidemiology, visiting scholar	2003	research advisor
Kristin Marciante, PhD	Pharmaceutical Outcomes, post-doctoral fellow	2003-05	research advisor
Christine G. Lee, MD	Epidemiology	2007	departmental advisor
Inbal Boger-Megiddo, MD	UW Cardiovascular Epidemiology Training Grant, Post-doctoral fellow	2007-11	research advisor
Anske van der Bom	Epidemiology, visiting faculty	2008	research advisor
Renuka Garg	Epidemiology	2008-11	departmental advisor

ACADEMIC ADVISING (continued; students/fellows not listed above)

Student	Department	Years	Role
Sara Schepp, MD	Epidemiology	2011	departmental advisor
Catherine Yeung, PhD	Epidemiology/ Pharmacy	2012	departmental advisor
Katharine Moore, MD	Epidemiology/ Pediatrics	2013-	departmental advisor
Rebecca Brander	Epidemiology	2014-	departmental advisor
Pavan Bhatraju, MD	Epidemiology/Pulmonary Critical Care	2015	departmental advisor