

CURRICULUM VITAE

Lisa A. DeRoo, M.P.H., Ph.D.

EDUCATION

- 2004 Ph.D. in Epidemiology
University of Washington, Seattle, WA
- 1996 M.P.H. in International Health
Emory University, Atlanta, GA
- 1993 B.A. in Biology, magna cum laude
Western Michigan University, Kalamazoo, MI
- 1992 B.A. in Psychology, summa cum laude
Western Michigan University, Kalamazoo, MI

PROFESSIONAL POSITIONS

- 2006 – present Staff Scientist, Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), Research Triangle Park, NC
- 2003 – 2005 Research Fellow, Division of Clinical Epidemiology, University of Geneva Hospitals, Geneva, Switzerland
- 2001 – 2003 Pre-doctoral Research Associate, Fred Hutchinson Cancer Research Center, Seattle, WA
- 2000 – 2001 Staff Epidemiologist, Tribal Epidemiology Center, Northwest Portland Area Indian Health Board, Portland, OR
- 1999 – 2000 Pre-doctoral Trainee, Environmental and Molecular Epidemiology Training Grant, Department of Epidemiology, University of Washington, Seattle, WA
- 1998 – 1999 Research Associate, Occupational Reviews Project, Harborview Injury Prevention and Research Center, University of Washington, Seattle, WA
- 1996 – 1998 American Teachers of Preventive Medicine/CDC Research Fellow, Community and Family Health, Maternal and Child Health, Washington State Department of Health, Olympia, WA
- 1994 – 1995 Surveillance Assistant, Hantavirus Taskforce, Special Pathogens Branch, Centers for Disease Control and Prevention, Atlanta, GA

UNIVERSITY AFFILIATIONS

- 2009 – present Adjunct Assistant Professor, Department of Epidemiology, University of North Carolina, Chapel Hill, NC

TEACHING AND MENTORING

2011	Mentor, Summer Fellowship Program, NIEHS, NIH, Research Triangle Park, NC
2006-2012	Co-mentor, pre- and post-doctoral research fellows, Epidemiology Branch, NIEHS, NIH, Research Triangle Park, NC
2009	Guest lecturer, Cancer Epidemiology Seminar, Department of Epidemiology, University of North Carolina, Chapel Hill, NC
2004	Teaching Assistant, Advanced Methods in Epidemiology: History and Concepts, Geneva Foundation for Medical Education and Research, World Health Organization, Geneva, Switzerland
1999	Teaching Assistant, Clinical Epidemiology & Evidence-Based Medicine, Department of Medicine, University of Washington, Seattle, WA
1999	Teaching Assistant, Epidemiologic Methods II, Department of Epidemiology, University of Washington, Seattle, WA
1998	Teaching Assistant, Epidemiologic Methods I, Department of Epidemiology, University of Washington, Seattle, WA

AWARDS, HONORS AND PROFESSIONAL RECOGNITION

2012	NIEHS Group Special Act Award for IRB members “in light of the importance of the IRB to the NIEHS mission and the significant time commitment outside of regular work-related activities”
2010	NIEHS Group Award for 12 th Report on Carcinogens (RoC)
2009	NIH Award of Merit “for innovation and creativity in designing and implementing the Sister Study and working as a team to achieve the goal of enrolling 50,000 women”
2007	First prize research poster, Epidemiology Branch, NIEHS
2002	National Institute for Farm Safety Award “for outstanding contribution to farm safety in recognition of research contributing to improved prevention of agricultural injury or illness”
1999	First prize student research poster, American Public Health Association

RESEARCH FUNDING

Whereas the majority of current projects are funded through the NIEHS Intramural Research Program, I have been a principle investigator or co-investigator on the following grants awarded from government and other sources:

NIH 5R03CA096434-02, Smoking during pregnancy and breast cancer, 2002-2003, Principal Investigator (with Beth A. Mueller) (\$83,746)

The Susan G Komen Breast Cancer Research Foundation, “The Two Sister Study”, 2008-2011, Co-Investigator (\$1,750,000), CR Weinberg (NIEHS), PI

The CDC, Cancer Control and Cancer Survivorship in the Sister Studies, 2010-2013, Co-Investigator (\$1,300,000), Mary White (CDC), PI

SCIENTIFIC LEADERSHIP AND SERVICE

2012/2013	Reviewer, Susan G. Komen for the Cure Environmental Challenge Grants
2010-date	Scientific Member, NIEHS Institutional Review Board
2010-date	Member, NCI Cohort Consortium
2010	Member, Organizing Committee, Identifying Priorities in Breast Cancer Survivorship Research: A Workshop for the Sister and Two Sister Studies
2009/2010	Reviewer, 12 th Report on Carcinogens (RoC) NIEHS/National Toxicology Program Scientific Review Group (NSRG)
2008/2012	Member, NIEHS Committee on Promotions II
2006-date	Member, NIEHS Sister Study Steering Committee
2000	Advisor, SIDS Foundation of Washington, Seattle, WA
2000	Advisor, Oregon Arthritis Foundation Advisory Council, Portland, OR

JOURNAL SERVICE

Editor, Epidemiology Section, Cleft Palate-Craniofacial Journal (2011-date)

Reviewer: American Journal of Clinical Nutrition, American Journal of Epidemiology, American Journal of Medical Genetics, American Journal of Preventive Medicine, British Journal of Nutrition, Cleft Palate-Craniofacial Journal, Epidemiology, Human Reproduction, International Journal of Public Health, Oral Diseases, Pediatrics, Preventing Chronic Disease, Preventive Medicine, Tobacco Control

PROFESSIONAL MEMBERSHIP

International Epidemiological Association
Society for Epidemiologic Research
Society for Pediatric and Perinatal Epidemiology

SCIENTIFIC PUBLICATIONS

Peer-reviewed papers

1. D'Aloisio AA, **DeRoo LA**, Baird DD, Weinberg CR, Sandler DP. Prenatal and infant exposures and self-reported age at menarche, Epidemiology 2012, in press.
2. Fei C, **DeRoo LA**, Sandler DP, Weinberg CR. Menopausal symptoms and risk of young onset breast cancer, European Journal of Cancer 2012; Epub 27 September.
3. Kim S, Parks CG, Xu Z, Carswell G, **DeRoo LA**, Sandler DP, Taylor JA. Association between genetic variants in DNA and histone methylation and telomere length, PLoS ONE 2012; 7(7): e40504. doi:10.1371/journal.pone.0040504.
4. Fei C, **DeRoo LA**, Sandler DP, Weinberg CR. Fertility drugs and young-onset breast cancer: results from the Two Sister Study, J Natl Cancer Inst 2012;104(13):1021-1027.
5. Parks CG, D'Aloisio AA, **DeRoo LA**, Huiber K, Rider L, Miller F, Sandler DP. Childhood

socioeconomic factors and perinatal characteristics influence development of rheumatoid arthritis in adulthood, *Ann Rheum Dis* 2012; Epub 14 May.

6. D'Aloisio AA, Baird DD, **DeRoo LA**, Sandler DP. Early life exposures and early onset uterine leiomyomata in black women in the Sister Study. *Environ Health Perspect* 2012; 120(3):406-12.
7. Lin CJ, **DeRoo LA**, Jacobs SR, Sandler DP. Accuracy and reliability of self-reported weight and height in the Sister Study. *Public Health Nutr* 2012; 15(6):989-999.
8. Fortier I, Doiron D, Little J, Ferretti V, L'Heureux F, Stolk RP, Knoppers BM, Hudson TJ, Burton PR; International Harmonization Initiative (including **DeRoo LA** and others). Is rigorous retrospective harmonization possible? Application of the DataSHaPER approach across 53 large studies. *Int J Epidemiol* 2011; 40(5):1314-28.
9. **DeRoo LA**, Cummings P, Mueller BA. Smoking before the first the pregnancy and the risk of breast cancer: a meta-analysis. *Am J Epidemiol* 2011; 174(4):390-402.
10. Kim S, Sandler DP, Carswell G, **DeRoo LA**, Parks CG, Cawthon R, Weinberg CR, Taylor JA. Telomere length in peripheral blood and breast cancer risk in a prospective case-cohort analysis: results from the Sister Study. *Cancer Causes Control* 2011; 22(7):1061-1066.
11. Parks CG, **DeRoo LA**, Miller DA, McCanlies EM, Cawthon RM, Sandler DP. Current and past work schedule are related to telomere length in women. *Occup Environ Med* 2011; 68(8):582-589.
12. Spector DJ, **DeRoo LA**, Sandler DP. Lifestyle behaviors in black and white women with a family history of breast cancer. *Prev Med* 2011; 52(5):394-397.
13. **DeRoo LA**, Cummings P, Daling JR, Mueller BA. Smoking during pregnancy and the risk of breast cancer. *Ann Epidemiol* 2011; 21(1):53-55.
14. Kim S, **DeRoo LA**, Sandler DP. Eating patterns and nutritional characteristics associated with sleep duration. *Public Health Nutr* 2011; 14(5):889-895.
15. **DeRoo LA**, Vlastos AT, Vlastos G, Morabia A. Comparison of women's breast cancer risk factors in Geneva, Switzerland and Shanghai, China. *Prev Med* 2010; 51(6):497-501.
16. Boyles AL*, **DeRoo LA***, Lie RT, Taylor JA, Jugessur A, Murray JC, Wilcox AJ. Maternal alcohol consumption, alcohol metabolism genes and the risk of infant clefts: a population based case-control study in Norway. *Am J Epidemiol* 2010;172(8):924-931. *equal contributions
17. Steiner A, D'Aloisio AA, **DeRoo LA**, Sandler DP. Association of intrauterine and early life exposures with age at menopause in the Sister Study. *Am J Epidemiol* 2010;172(2):140-148.

18. D'Aloisio AA, Baird DD, **DeRoo LA**, Sandler DP. Association of intrauterine and early life exposures with diagnosis of uterine leiomyomata by age 35 in the Sister Study. *Environ Health Perspect* 2010;118(3):375-81.
19. Dahlgren A, **DeRoo L**, Avril J, Bise G, Loutan L. Health risks and risk-taking behaviours among International Committee of the Red Cross (ICRC) expatriates returning from humanitarian missions. *J Travel Med* 2009;16(6):382-390.
20. Spector D, Mishel M, Skinner S, **DeRoo LA**, VanRiper M, Sandler DP. Breast cancer risk perception and lifestyle behaviors among white and black women with a family history of the disease. *Cancer Nurs* 2009;32(4):299-308.
21. Xu Q, Parks CG, **DeRoo LA**, Cawthon RM, Sandler DP, Chen H. Multivitamin use and telomere length in women. *Am J Clin Nutr* 2009;89:1-7.
22. Kim S, Parks CG, **DeRoo LA**, Chen H, Taylor JA, Cawthon RM, Sandler DP. Obesity and weight gain in adulthood and telomere length. *Cancer Epidemiol Biomarkers Prev* 2009;18(3):816-20.
23. Parks CG, Miller DB, McCanlies EC, Cawthon RM, Andrew ME, **DeRoo LA**, Sandler DP. Telomere length, current perceived stress, and urinary stress biomarkers in women. *Cancer Epidemiol Biomarkers Prev* 2009;18(2):551-560.
24. Villaveces A, **DeRoo LA**. Child delinquency and the prophylaxis of crime in early twentieth century Latin America. *Pan Am J Pub Health* 2008;24(6):449-454.
25. **DeRoo LA**, Wilcox AJ, Drevon CA, Lie RT. First trimester maternal alcohol consumption and the risk of infant clefts in Norway: a population-based case-control study. *Am J Epidemiol* 2008;168(6):638-46.
26. Toscani L, **DeRoo LA**, Eytan A, Gex-Fabry M, Avramovski V, Loutan L, Bovier P. Health status of returnees to Kosovo: Do living conditions during asylum make a difference? *Public Health* 2007;121(1):34-44.
27. Dahlgren A, **DeRoo L**, Steffen R. Prevention of travel-related diseases—knowledge, practices and attitudes of Swedish travelers. *Scand J Infect Dis* 2006;38(11):1074-80.
28. Mock C, Adjei S, Acheampong F, **DeRoo L**, Simpson K. Occupational injuries in Ghana. *Int J Occup Environ Health* 2005;11(3):238-245.
29. Eytan A, Gex-Fabry M, Toscani L, **DeRoo L**, Loutan L, Bovier PA. Determinants of post-conflict symptoms in Albanian Kosovars. *J Nerv Ment Dis* 2004;192(10):664-671.
30. **DeRoo LA**, Gaudino JA, Edmonds LD. Orofacial cleft malformations: Associations with maternal and infant characteristics in Washington State. *Birth Defects Res A Clin Mol Teratol* 2003;67(9):637-642.

31. Dunn C, **DeRoo L**, Rivara FP. The use of brief interventions adapted from motivational interviewing across behavioral domains: a systematic review. *Addiction* 2001;96(12):1725-1742.
32. **DeRoo LA**, Rautiainen RH. A systematic review of farm safety interventions. *Am J Prev Med* 2000;18(4S):51-62.
33. Robertson LD, **DeRoo LA**, Gaudino JA, Hahn CG, Rosenberg, KD. Decrease in infant mortality and sudden infant death syndrome among Northwest American Indians and Alaska Natives—Pacific Northwest, 1985-1996. *MMWR* 1999;48(9):181-184.

Submitted

1. White AJ, Sandler DP, Bolick SCE, Xu Z, Baldwin K, Taylor JA, **DeRoo LA**. Lifetime physical activity and global DNA methylation in the Sister Study.
2. Nichols HB, Baird DD, **DeRoo LA**, Kissling GE, Sandler DP. Tubal ligation in relation to menopausal symptoms and breast cancer risk.
3. Van Hee VC, Chan SH, Szpiro AA, Oran AP, **DeRoo LA**, London SJ, Kaufman JD,* Sandler DP.* Long term air pollution and blood pressure in the Sister Study. *equal contributions
4. Godfrey AC, Xu Z, Weinberg CR, Getts RC, Wade PA, **DeRoo LA**, Sandler DP, Taylor JA. Serum microRNA expression as an early marker for breast cancer risk in prospectively collected samples from the Sister Study cohort.

Book Chapters

Parks CG, **DeRoo LA**. Psychosocial factors and telomere length in peripheral blood. In: *Immunosenescence: behavioural and psychosocial determinants*. Springer, in press, 2012

INVITED PRESENTATIONS

1. The Sister Study: Environmental, behavioral and genetic risk factors for breast cancer in a risk-enriched cohort. Department of Epidemiology and Biostatistics, University of Maryland, College Park, Maryland, March 12, 2012.
2. Maternal alcohol consumption during pregnancy: results from Norway. Epidemiology Branch, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, NIH, Bethesda, Maryland, March 9, 2012
3. Maternal amalgam fillings and infant clefts: results from Norway and Denmark. Division of Oral Health and Division of Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, Georgia, July 20, 2011.

4. Maternal amalgam fillings and risk of infant oral clefts, early life factors and telomere length in the Sister Study, and other work in progress. Institute of Public Health, University of Southern Denmark, Odense, Denmark, January 20, 2011.
5. The Sister Study: a study of the genetic & environmental risk factors for breast cancer. Cincinnati Breast Cancer and the Environment Research Center, University of Cincinnati, Cincinnati, Ohio, May 17, 2008.
6. The Sister Study. Lunch with the Experts, Breast Cancer and the Environment Research Centers Annual Meeting, Cincinnati, Ohio, November 8, 2007.
7. Active and passive smoking and age at natural menopause. National Institute of Environmental Health Sciences, National Institutes of Health, Research Triangle Park, North Carolina, September 12, 2005.
8. Comparison of women's breast cancer risk factors in Geneva, Switzerland and Shanghai. German Cancer Research Center (DKFZ), Heidelberg, Germany, January 18, 2005.

PRESENTATIONS AT SCIENTIFIC MEETINGS

1. **DeRoo LA**, Fei C, Sandler DP, Weinberg CR. Preeclampsia and pregnancy-related hypertension and the risk of breast cancer in the Two Sister (talk), Spotlight Session on the Epidemiology of Breast Cancer, Society for Epidemiologic Research, 44th Annual Meeting, Minneapolis, MN, June 2012.
2. **DeRoo LA**, Wilcox AJ, Lie RT. Parent's social position and the risk of infant oral clefts (poster). Society for Pediatric and Perinatal Epidemiologic Research, 25th Annual Meeting, Minneapolis, MN, June 2012.
3. **DeRoo LA**, Pedersen DA, Lie RT, Christensen K, Wilcox AJ. Maternal amalgam fillings and oral clefts: results from Denmark (talk). Society for Pediatric and Perinatal Epidemiologic Research, 24th Annual Meeting, Montreal, Canada, June 2011.
4. **DeRoo LA**, Parks CG, Weinberg C, Sandler DP. Childhood trauma, abuse and other stressors in relation to telomere length (poster). Society for Epidemiologic Research, 43rd Annual Meeting, Seattle, WA, June 2010.
5. **DeRoo LA**, Wilcox AJ, Lie RT. Maternal amalgam fillings and the risk of infant oral clefts: a population-based case-control study in Norway (talk). Society for Pediatric and Perinatal Epidemiologic Research, 23rd Annual Meeting, Seattle, WA, June 2010.
6. **DeRoo LA**, Parks CG, Kim S, Cawthon RM, Weinberg C, Sandler DP. Childhood socioeconomic factors and telomere length (talk). Spotlight Session on Aging, Society for Epidemiologic Research, 42nd Annual Meeting, Anaheim, CA, June 2009.
7. Boyles A, **DeRoo LA (co-first author, presenter)**, Wilcox AJ. Maternal alcohol consumption and infant clefts: the role of alcohol metabolism gene variants (talk). Society for

Pediatric and Perinatal Epidemiologic Research, 22nd Annual Meeting, Anaheim, CA, June 2009.

8. **DeRoo LA**, Weinberg CR, Sandler DP. The Sister Study: identifying environmental risk factors for breast cancer in a genetically and environmentally enriched cohort (poster). UICC World Cancer Conference, Geneva, Switzerland, August 2008.
9. **DeRoo LA**, Johnson J, Sandler DP. Obesity and depression: what comes first (poster). Society for Epidemiologic Research, 41st Annual Meeting, Chicago, IL, June 2008.
10. **DeRoo LA**, Wilcox AJ, Lie RT. Maternal alcohol consumption and the risk of infant oral clefts (poster). Society for Epidemiologic Research, 40th Annual Meeting, Boston, MA, June 2007.
11. **DeRoo LA**, Dahlgren A-L, Avril J, Bise G, Loutan L. Study of health status and behavior among humanitarian aid workers: risk-taking behavior and attitudes (poster). International Society of Travel Medicine, 9th Annual Conference, Lisbon, Portugal, May 2005.
12. **DeRoo LA**, Mueller BA, Cummings P, Daling, JR. Smoking during first pregnancy and the risk of breast cancer (talk). Society for Epidemiologic Research, 36th Annual Meeting, Atlanta, GA, June 2003.
13. **DeRoo LA**, Rautiainen RH. A systematic review of farm safety interventions (poster). Association of Teachers of Preventive Medicine and the American College of Preventive Medicine, 17th Annual National Preventive Medicine Meeting, Atlanta, GA, March 2000.
14. **DeRoo LA**, Oestreicher N, Shaw-Beyer C, Mueller BA. Birth outcomes of women with neoplastic conditions (poster). American Public Health Association, 127th Annual Meeting, Chicago, Illinois, November 1999.
15. **DeRoo LA**, Gaudino JA, Edmonds LD. Descriptive epidemiology of cleft lip with or without cleft palate in Washington State, 1987-1990 (poster). Society for Pediatric Epidemiologic Research, 10th Annual Meeting, Edmonton, Canada, June 1997.