

CURRICULUM VITAE

Dale P. Sandler, Ph.D.

Education

- June 1972 - B.A. (Mathematics and Philosophy), cum laude, Boston University, College of Liberal Arts
- May 1975 - M.P.H. (Chronic Disease Epidemiology), Yale University School of Medicine (Thesis: Serum Cholesterol, Serum Uric Acid, and ABO Blood Groups in West Point Cadets)
- October 1979 - Ph.D. (Epidemiology), Johns Hopkins University School of Hygiene and Public Health (Dissertation: Health Consequences of Nasopharyngeal Radium Irradiation)

Brief Chronology of Employment

- 1973 - 1975 Research Assistant, Yale University School of Medicine, Departments of Internal Medicine, and Epidemiology and Public Health, New Haven, CT
- 1975 - 1976 Health Statistician and Program Specialist, Lipid Metabolism Branch, Division of Heart and Vascular Disease, National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD
- 1978 - 1979 Co-Principal Investigator/Project Director, Follow-up study of persons exposed as children to nasopharyngeal radium, Johns Hopkins University School of Hygiene and Public Health, Baltimore, MD
- 1979 - 1981 Statistician (Health), Epidemiology Program, Biometry Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC
- 1981 - date Epidemiologist, Epidemiology Branch, Division of Intramural Research, National Institute of Environmental Health Sciences, Research Triangle Park, NC
- 1984 - 1989 Adjunct Assistant Professor, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, NC
- 1990 - 1995 Adjunct Associate Professor, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, NC
- 1990 - 2001 Head, Environmental and Molecular Epidemiology Section, Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC
- 1991 - date Adjunct Member, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill, NC
- 1995 - 2001 Deputy Chief, Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC
- 1996 - date Adjunct Professor, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, NC
- 2001 - 2003 Acting Chief, Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
- 2004 – date Chief, Epidemiology Branch, National Institute of Environmental Health

Sciences, Research Triangle Park, North Carolina

Honor and Others Special Recognition

Fellow, American College of Epidemiology
Delta and Scarlet Key Honor Societies, Boston University
Public Health Service Traineeship: Sept., 1974 - June, 1975; August, 1976 - June 1977.
National Institutes of Health, Award of Merit, 1992
NIEHS Staff Recognition Award, 1996, 1997, 1998
Elected to Membership, American Epidemiological Society, 1999
NIEHS Staff Recognition Award, 1999, 2000, 2001
American College of Epidemiology Leadership and Distinguished Service Award, 2003

Memberships

Society for Epidemiologic Research
International Epidemiologic Association
American College of Epidemiology
International Society for Environmental Epidemiology
American Epidemiological Society

Research Interests

Acute leukemia and myelodysplasia, chronic renal failure, environmental determinants of chronic disease and cancer, passive smoking, indoor radon, health effects of pesticides and other agricultural exposures, environmental and genetic risk for breast cancer

Current Studies (and stage of project) with NIEHS Intramural funding

- The epidemiology of acute leukemias in adults (data analysis). PI
- Collaborative study of lung cancer risk from cumulative indoor radon exposure (data analysis). PI
- NCI/EPA/NIEHS collaborative Agricultural Health Study (data collection and analysis). This prospective study includes ~60,000 licensed pesticide applicators and 32,000 spouses of farmer applicators followed since 1993-7. NIEHS PI
- Cancer incidence and mortality from all causes in Czech uranium miners (data analysis). PI
- The Sister Study: Environmental and genetic factors in breast cancer and other diseases in women (cohort enrollment and data collection). This study of 50,000 women with a sister with breast cancer will follow participants for to or more years. Extensive data and samples are collected to enable studies of gene-environment interactions in a genetically enriched population. PI
- The Two Sister Study. This study builds on the Sister Study to also collect questionnaires and environmental and biological samples, including DNA, from ~1500 affected siblings of participants in the Sister Study diagnosed before age 50 and collect DNA from their surviving parents to carry out case-parent triad, case-sibling-parent tetrad, and case-control

analyses to study genetic and environmental influences on risk for early onset breast cancer incidence and prognosis. Co PI.

Outside Funding

While the majority of projects are funded through the Intramural Research Program, additional funding has been awarded from NIH-wide and other governmental sources:

- Office of Research on Minority Health, "Health Effects in African Americans of Exposure to Agricultural Chemicals", \$380,000, FY 1994-95.
- Office of Research on Minority Health, "Breast Cancer Risk in African Americans", \$75,000, FY 1994-5.
- Office of Research on Women's Health, "Spontaneous Abortion Risk and Exposure to Chemicals - a validation study", \$35,083, FY 1995.
- EPA, Health Effects Research Laboratory, "Neurologic Disease and Exposure to Agricultural Chemicals - Comparison of respondents and nonrespondents". \$35,083, FY 1995.
- EPA, Office of Radiation and Indoor Air, "Estimation of Radon Exposure from Measurement of Surface-Bound PO210 Activity Accumulated in Selected Glass Artifacts", \$200,000, October 1993-September 1995.
- NIEHS Intramural Research Award (with J Taylor, D Bell), "Genetic and Environmental Risk Factors for Myelodysplasia", FY 1994-5, \$75,000.
- Office of Research on Minority Health, "Serum levels of DDE, steroid hormones and health effects in African American farmers, FY 1997-9, \$75,000.
- Office of Research on Health Disparities, "Health Status of African American farmers and farm workers in North Carolina, FY 2003, \$225,000.
- Center for Research on Minority Health and Health Disparities, "Minority recruitment in the Sister Study in the Mississippi Delta region, FY 2004/5, \$4,000,000.
- Center for Research on Minority Health and Health Disparities, Minority recruitment in the Sister Study, FY 2006, \$2,700,000; FY 2007, \$2,000,000.
- Susan G Komen for the Cure. The Two Sister Study (Co-PI). CR Weinberg PI, September 2008 – August 2010, \$1,750,000.

Doctoral Students

Elizabeth A. Whelan

Ph.D. 1992, Epidemiology

University of North Carolina at Chapel Hill

Menstrual Cycle Characteristics and Breast Cancer Risk

Current Position: Chief, Reproductive Epidemiology Section, NIOSH

Stephen A. Martin, Jr.

Ph.D. 2000, Epidemiology

University of Michigan

Patterns of Pesticide and DDE Exposure and Androgen Profile among North Carolina African American Male Farmers and Farm Workers

Current Position: Chief Operating Officer, Cook County Department of Public Health, Chicago, IL

Garth Rauscher

Ph.D. 2001, Epidemiology

University of North Carolina at Chapel Hill

The Role of Family History of Cancer in the Risk and Survival of Adult Acute Leukemia

Current Position: Assistant Professor, Tenure Track, Cancer Prevention and Control, University of Illinois, Chicago

Wiwon Sanasuttipun

Ph.D. 2001, Epidemiology

University of North Carolina at Chapel Hill

Ambient Particulate Air Pollution and Lung Cancer - *winner, American College of Epidemiology Student Prize Paper, 2002*

Current Position: Surveillance Coordinator, International Emerging Infections Program, US Centers for Disease Control and Ministry of Public Health, Nontaburi, Thailand

Postdoctoral Trainees

Suma Vupputuri, PhD

2001-2003; Environmental factors and chronic kidney and cardiovascular disease

Current Position: Assistant Professor, University of North Carolina, Chapel Hill

Wiwon Sanasuttipun, PhD

2003-2005; Risk factors for lung cancer

Current Position: Surveillance Coordinator, International Emerging Infections Program, US Centers for Disease Control and Ministry of Public Health, Nontaburi, Thailand

Tina Saldana, PhD

2004-2007; Environmental risk factors for diabetes and kidney disease.

Current Position: Westat, Inc.

Sangmi Kim, PhD

2007-date; Inflammation, obesity, and breast cancer

Aimee DAloisio, PhD

2007-date; Gene polymorphisms and breast cancer risk, risk factors for uterine fibroids

Editorships

Editor, Epidemiology (March 2001 – March 2007)

Editor, American Journal of Epidemiology (October 1998 - December 2001)

Associate Editor, American Journal of Epidemiology (1991 - 1998)

Editorial Review Board, Environmental Health Perspectives (1993-2004)

Editor, *From Epidemiology to Policy: Proceedings of a symposium on the Translation of Epidemiologic Evidence into Public Health Policy*. Supplement to the American Journal of Epidemiology. Amer J Epidemiol 2001;154:S1-S98.

Other Professional Activities

President-elect, President, Past-president, American College of Epidemiology
(October 1999-September 2001)

Member, Board of Directors, American College of Epidemiology (1993-2001)

Study Section, State of California, Tobacco Related Diseases Research Program (1993-date)

Chair, Education Committee, American College of Epidemiology (1995-1999)

Program Chair, 1996 Annual Meeting, American College of Epidemiology

Program Co-Chair, 1997, 1998, 1999 Annual Meeting, American College of Epidemiology

Member, External Advisory Board, Long Island Breast Cancer Study, Marilee Gamon, PI
(1995-1999)

Member, External Advisory Committee, Emory University R21 Prostate Cancer Research
Development Award, Sam D. Graham, PI (1996-1998)

Faculty, Society for Epidemiologic Research Student Workshop - June 1999

Member, External Advisory Committee, National Analgesic Nephropathy (NAN) Study,
Lawrence Agodoa, NIDDK Project Officer, (January 2000 - December 2003)

Planning Committee, 2001 Congress of Epidemiology, Toronto, CA (2000-2001)

Symposium Chair, The Nuts and Bolts of Epidemiology, 2001 Congress of Epidemiology,
Toronto, CA, June 2001

Member, Scientific Advisory Board, Ethical, Legal, and Social Issues in Environmental
Genomics (ELSI) Project, Fran Lynn, PI, University of North Carolina, Chapel Hill
(2001-3)

Member, Policy Committee (2001-2005) and Education Committee (2003-2005),
American College of Epidemiology

Planning Committee, 2004 Meeting of the American College of Epidemiology

Symposium organizer and chair, Genetics and Epidemiology: Opportunities and

Challenges, Annual Meeting of the American College of Epidemiology, September 2004

Symposium organizer and chair, Epidemiologic Research in the Face of a Growing Obesity
Epidemic, Annual Meeting of the Society for Epidemiology Research, June 2005

Member, Scientific Review Panel and Advisory Board, American Cancer Society, Cancer
Prevention Study III, 2006 - date

Member, Cohort Consortium, 2006 – date.

Reviewer for journals:

American Journal of Epidemiology

Cancer Epidemiology and Biomarkers

International Journal of Cancer

International Journal of Epidemiology

Journal of the National Cancer Institute

New England Journal of Medicine
JAMA
Environmental Health Perspectives
Occupational and Environmental Medicine

Committees and Workshops

Workshop on Chronic Disease in the Workplace and the Environment, Work Group on Renal Disease. October 31 - November 1, 1983, Washington, DC.

Workshop on the Contribution of Airborne Pollutants to Respiratory Cancer, Work Group on Passive Smoking, July 16-19, 1985, Snowbird, Utah.

PHS Interagency Coordinating Committee on Kidney, Urologic and Hematologic Diseases, 1986 - 1994.

Review Panel, Massachusetts State Health Department, Evaluation of Case-control Study of Leukemia Risk from Environmental Radiation Exposure (Plymouth Power Plant Study), June 1992 - May 1993.

Medical Review Board, Southeastern Kidney Council, Network 6, PHS, HCFA, End Stage Renal Disease Registry, 1988 - 1992.

Data Committee, Southeastern Kidney Council, Network 6, PHS, HCFA, End Stage Renal Disease Registry, 1992 - 2002.

Chair, Cancer and Leukemia Group B Workgroup on Epidemiology, 1989 - 1998.

Radon Subcommittee of the DHHS Environmental Health Policy Committee, 1994-2000.

Workshop on Leukemia and the Environment, Leukemia Society of America, Orlando, Florida, October 31, 1994.

Planning Committee and Advisory Panel, VA-CDC Workshop on Health Effects of Nasopharyngeal Radiation Treatments, 1995-1996.

Steering Committee, North American Radon Studies Pooling Project, 1995 - date.

NCI/NIOSH Workshop on the Use of Case-control Studies in the Investigation of Occupational Exposures and Cancer, April 1996.

Cancer Work Group, Children's Environmental Health and Safety Task Force, May 1998 - 2002.

Ad Hoc Advisory Committee, State of North Carolina, Central Cancer Registry, 1999.

Ad Hoc Peer Review Committee, Research Portfolio in Epidemiology and Genetics, Division of Cancer Control and Population Sciences, National Cancer Institute, November 1999.

Panelist, National Cancer Institute State of the Science Meeting on Myelodysplastic Syndromes, October 30-31, 2000.

Trans-NBC – Human Data and Specimen Committee. March 2006 to date.

Chair, Mammary Gland Break-out Group, National Toxicology Program workshop on Hormonally-Induced Reproductive Tumors – Relevance of Rodent Bioassays Workshop, March 22-24, 2006.

NIH Scientific Directors' Subcommittee on Biorepository Practices and Guidelines within the NIH Intramural Research Program. September 2006 to date.

Hair Dye Exposure Assessment Workshop, Epidemiology Peer Review Group and Proctor and Gamble. September 2007.

NIEHS Committees (recent)

Executive Committee (1997-2001)

Committee on Promotions I (1997-2002)

Workplace Assessment Committee (1997-1999)

DIR Clinical Advisory Council (1998-2002)

Search Committee - EB/ETP Epidemiologist (1998)

Search Committee - Epidemiologist – women's health (1998)

Search Committee - Epidemiologist - neuroepidemiology (2001)

Planning Committee - Workshop on Epidemiology in the 21st Century (1999)

Planning Committee - Workshop on Environmental Contributors to Infant Mortality (2002)

DIR Conference Committee (2006-2008)

Search Committee – Director Office of Acquisitions, NIEHS (2007)

Chair, PMAP Review Committee 2007-8.

Research Papers in Peer-reviewed Journals

1. Wallace RB, Hoover J, **Sandler D**, Tyroler HA, Rifkind BM: Altered plasma lipids associated with oral contraceptive or estrogen consumption. *Lancet* 2: 11-14, 1977.
2. Kasl SV and **Sandler DP**: An epidemiologic study of serum cholesterol and serum uric acid in a population of healthy young men. *Military Medicine* 142: 853-857, 1977.
3. Wilcox AJ, Treloar AE, **Sandler, DP**: Spontaneous abortion over time: Comparing occurrence in two cohorts of women a generation apart. *Am J Epidemiol* 114: 548-553, 1981.

4. **Sandler DP**, Comstock GW, Matanoski GM: Neoplasms following childhood radium irradiation of the nasopharynx. *J Natl Cancer Inst* 68: 3-8, 1982.
5. **Sandler DP**, Sandler RS, Horney LF: Primary liver cancer mortality in the United States. *J Chronic Dis* 36: 227-236, 1983.
6. Sandler RS, **Sandler DP**: Radiation induced cancers of the colon and rectum: Assessing the risk. *Gastroenterology* 84: 51-57, 1983.
7. Milne KL, **Sandler DP**, Everson RB, Brown SM: Lung cancer and occupation in Alameda County: A death certificate case-control study. *Am J Indust Med* 4: 565-575, 1983.
8. Sandler RS, Freund DA, Herbst CA, **Sandler DP**: Cost-effectiveness of postoperative carcinoembryonic antigen (CEA) monitoring in colorectal cancer. *Cancer* 53: 193-198, 1984.
9. **Sandler DP**, Wilcox AJ, Horney LF: Age at menarche and subsequent reproductive events. *Am J Epidemiol* 119: 765-775, 1984.
10. Landrigan PJ, Goyer RA, Clarkson TW, **Sandler DP**, Smith JH, et al. The work-relatedness of renal disease. *Arch Environ Health* 39: 225-30, 1984.
11. **Sandler DP**, Everson RB, Wilcox AJ: Passive smoking in adulthood and cancer risk. *Am J Epidemiol* 121: 37-48, 1985.
12. **Sandler DP**, Wilcox AJ, Everson RB: Cumulative effects of lifetime passive smoking on cancer risk. *Lancet* 1: 312-315, 1985.
13. **Sandler DP**, Everson RB, Wilcox AJ, Browder JP: Cancer risk in adulthood from early life exposure to parents' smoking. *Am J Public Health* 75: 487-492, 1985.
14. **Sandler DP**, Shore DL: Quality of data on parents' smoking and drinking provided by adult offspring. *Am J Epidemiol* 124: 768-778, 1986.
15. Everson RB, **Sandler DP**, Wilcox AJ, Schreinemachers D, Shore DL, Weinberg C: Effect of passive exposure to smoking on age at natural menopause. *Br Med J* 293: 792, 1986.
16. Kuller LH, Garfinkel L, Correa P, Haley N, Hoffman D, Preston-Martin S, **Sandler D**: Passive smoking and lung cancer. A report of the Workshop on the Contribution of Airborne Pollutants to Respiratory Cancer. *Environ Health Perspect* 70: 57-69, 1986.
17. **Sandler DP**, Collman GW: Cytogenetic and environmental factors in the etiology of the acute leukemias in adults. *Am J Epidemiol* 126: 1017-1032, 1987.
18. **Sandler DP**: Epidemiology of acute myelogenous leukemia. *Sem Oncol* 14: 359-364,

- 1987.
19. Helsing KJ, **Sandler DP**, Comstock GW, Chee E: Heart disease mortality in nonsmokers living with smokers. *Am J Epidemiol* 127: 915-922, 1988.
 20. Wilcox AJ, **Sandler DP**, Everson RB.: Using father's age to explore the role of germ cell mutation as a cause of human cancer. *Int J Epidemiol* 17: 469-471, 1988.
 21. **Sandler DP**, Helsing KJ, Comstock GW, Shore DL: Factors associated with past household exposure to tobacco smoke. *Am J Epidemiol* 129: 380-387, 1989.
 22. Collman GW, Loomis DP, Shore DL, **Sandler DP**: Radon-222 concentration in groundwater and cancer mortality in North Carolina. *Int Arch Occup Environ Health* 61: 13-18, 1988.
 23. Sandler RS, **Sandler DP**, Comstock GW, Helsing KJ, Shore DL: Cigarette smoking and the risk of colorectal cancer in women. *J Natl Cancer Inst* 80: 1329-1333, 1988.
 24. **Sandler DP**, Comstock GW, Helsing KJ, Shore DL: Deaths from all causes in nonsmokers who lived with smokers. *Am J Public Health* 79: 163-167, 1989.
 25. **Sandler DP**, Smith JC, Weinberg CR, Buckalew VM, Dennis V, Blythe W, Burgess WP: Analgesic use and chronic renal disease. *N Engl J Med* 320: 1238-43, 1989.
 26. Whelan EA, **Sandler DP**, McConnaughey DR, Weinberg CR: Menstrual and reproductive characteristics and age at natural menopause. *Am J Epidemiol* 131:625-632, 1990.
 27. John EM, Savitz DA, **Sandler DP**: Prenatal exposure to parents' smoking and the risk of childhood cancer. *Am J Epidemiol* 133:123-132, 1991.
 28. Collman GW, Loomis DP, **Sandler DP**: Childhood cancer mortality and radon concentration of drinking water in North Carolina. *Br J Cancer* 63:626-629, 1991.
 29. **Sandler DP**, Burr FR, Weinberg CR: Nonsteroidal anti-inflammatory drugs and risk of chronic renal disease. *Ann Int Med* 115:165-172, 1991.
 30. Weinberg CR, **Sandler DP**: Randomized recruitment in case-control studies. *Am J Epidemiol* 134:421-432, 1991.
 31. Sandler RS, **Sandler DP**, McDonnell CW, Wurzelmann JI: Childhood exposure to environmental tobacco smoke and the risk of ulcerative colitis. *Am J Epidemiol* 135:603-608, 1992.
 32. **Sandler DP**: Epidemiology and etiology of acute leukemia: an update. *Leukemia* 6(suppl 4):3-5,1992

33. Taylor JA, **Sandler DP**, Bloomfield CD, Shore DL, Ball ED, Neubauer A, McIntyre OR, Liu E: *ras* oncogene activation and occupational exposures in AML. *J Natl Cancer Inst* 84:1626-1632, 1992
34. Shore DL, **Sandler DP**, Davey FR, McIntyre OR, Bloomfield CD: Acute leukemia risk and residential proximity to sources of environmental pollutants. *Arch Environ Health* 48:414-430, 1993.
35. **Sandler DP**, Shore DL, Anderson JR, Davey FR, Silver RT, Aisner J, Canellos GP, Weiss RB, Trump DL, Arthur D, Wurster-Hill D, McIntyre OR, Bloomfield CD: Cigarette smoking and risk of acute leukemia: Associations with morphology and cytogenetic abnormalities in bone marrow. *J Natl Cancer Inst* 85:1994-2003, 1993.
36. Whelan EA, **Sandler DP**, Root J, Smith KR: Menstrual cycle patterns and risk of breast cancer. *Am J Epidemiol* 140:1081-1090, 1994.
37. Melnick RL, Dunnick JK, **Sandler DP**, Elwell MR, Barrett JC: Trihalomethanes and other environmental factors that contribute to colorectal cancer. *Environ Health Perspect* 102:586-8, 1994.
38. Alavanja MCR, Akland G, Baird D, Blair A, Bond A, Dosemeci M, Kamel F, Lewis B, Lubin J, Lynch C, McMaster SB, Moore M, Pennybacker M, Ritz L, Rothman N, Rowland A, **Sandler DP**, et al: Cancer and non-cancer risk to women in agriculture and pest control: The Agricultural Health Study. *J Occup Med* 36:1247-50, 1994.
39. Root J, Smith KR, Whelan E, **Sandler D**, Voda AM: Tracing women over half a century: strategies to locate subjects lost to follow-up in a longitudinal health study. *Research on Aging* 16:375-88, 1994.
40. Blair A, Stewart WF, Stewart PA, **Sandler DP**, Axelson O, Vineis P, Checkoway H, Savitz D, Pearce N, Rice C: A philosophy for dealing with hypothesized uncontrolled confounding in epidemiologic investigations. *Medicina Lavoro* 86:106-110, 1995.
41. Chen H, **Sandler DP**, Taylor JA, Shore DL, Liu E, Bloomfield CD, Bell DA: Increased risk for myelodysplastic syndromes among those with glutathione transferase theta 1 (GSTT1) gene defect. *Lancet* 347: 295-297, 1996.
42. Alavanja MCR, **Sandler DP**, McMaster SB, Zahm SH, McDonnell CJ, Lynch CF, Pennybacker M, Rothman N, Dosemeci M, Blair A: The Agricultural Health Study. *Environ Health Perspect* 104:362-369, 1996.
43. **Sandler DP**, Ross JA: Epidemiology of acute leukemia in children and adults. *Semin Oncol* 24:3-16, 1997.
44. Weinberg CR, Moledar ES, Umbach DM, **Sandler DP**: Imputation for exposure histories with gaps, under an excess relative risk model. *Epidemiology* 7:490-497, 1996.

45. Cooper GS, **Sandler DP**, Whelan EA, Smith KR: Association of physical and behavioral characteristics with menstrual cycle patterns in women aged 29-31. *Epidemiology* 7:624-628, 1996.
46. Cooper GS, Kamel FK, **Sandler DP**, Davey F.R., Bloomfield, CD: Risk of adult leukemia in relation to prior immune-related conditions. *Cancer Epidemiol Biomarkers and Prev* 5:867-872. 1996.
47. Tomatis L, Huff JE, Hertz-Picciotto I, **Sandler D**, Bucher J, Boffetta P, Axelson O, Blair A, Taylor J, Stayner L, Barrett JC. Avoided and avoidable risks of cancer. *Carcinogenesis* 18:97-105, 1997.
48. Tarone R, Alavanja MCR, Zahm S, Lubin JH, **Sandler D**, McMaster SB, Rothman N, Blair A: The Agricultural Health Study: Factors affecting completion and return of self-administered questionnaires in a large prospective cohort study of pesticide applicators. *Am J Ind Med* 31:233-242, 1997.
49. Cooper GS, **Sandler DP**: Long-term effects of reproductive-age menstrual cycle patterns on peri- and post-menopausal fracture risk. *Am J Epidemiol* 145:804-9, 1997.
50. Alavanja MCR, **Sandler DP**, McDonnell CJ, Lynch CF, Pennybacker M, Zahm SH, Mage DT, Steen WC, Wintersteen W, Blair A. Characteristics of pesticide use in a pesticide applicator cohort: The Agricultural Health Study. *Environ Res* 1999;80:172-179.
51. Longnecker MP, **Sandler DP**, Haile RW, Sandler RS. Phenolphthalein-containing laxative use in relation to adenomatous colorectal polyps in three studies. *Environ Health Perspect* 1997;105:1210-1212.
52. Cooper GS, **Sandler DP**: Age at natural menopause and mortality. *Ann Epidemiol* 1998;8:229-235.
53. Alavanja MCR, **Sandler DP**, McDonnell CJ, Lynch CF, Pennybacker M, Zahm SH, Lubin J, Mage DT, Steen WC, Wintersteen W, Blair A. Factors associated with self-reported pesticide-related visits to health care providers in the Agricultural Health Study. *Environ Health Perspect* 1998;106:415-520.
54. Alavanja MCR, **Sandler DP**, Mc Donnell CJ, Mage D, Kross B, Rowland AS, Blair A. Characteristics of persons who self-reported a high pesticide exposure event in the agricultural health study. *Environ Res* 1999;80:180-186.
55. Gladen BC, **Sandler DP**, Zahm SH, Kamel F, Rowland AS, Alavanja MCR. Exposure opportunities of families of private pesticide applicators. *Am J Indust Med* 1998;34:581-587.
56. Millikan RC, Kornblith AB, McIntyre OR, Berry D, Broadwater GJ, **Sandler DP**, Karas K,

- Dressler L, Gross LS, Collyar BS, Schilsky RL. Genetic testing in breast cancer cooperative clinical trials: Barriers and opportunities. *Cancer Therapeutics* 1998; 1: 96-100.
57. Moorman PG, Newman B, Millikan RC, Tse C-KJ, **Sandler DP**. Participation rates in a case-control study: The impact of age, race, and race of interviewer. *Ann Epidemiol* 1999;9:188-195.
58. Cooper GS, Ephross SA, Weinberg CR, Baird DD, Whelan EA, **Sandler DP**. Menstrual and reproductive risk factors for ischemic heart disease. *Epidemiology* 1999;10:255-259.
59. Steinbuch M, Weinberg CR, Buckley JD, Robison LL, **Sandler DP**. Indoor residential radon exposure and risk of childhood acute myeloid leukemia. *Br J Cancer* 1999;81:900-906.
60. Kamel F, Umbach DM, Munsat TL, Shefner JM, **Sandler DP**. Association of cigarette smoking with amyotrophic lateral sclerosis. *Neuroepidemiology* 1999;18:194-202.
61. Bach PH, Berndt WO, Delzell E, Dubach U, Finn W, Fox JM, Hesse R, Michielsen P, **Sandler DP**, Trump B, Williams G. A safety assessment of fixed combinations of acetaminophen and acetylsalicylic acid, coformulated with caffeine. *Renal Failure* 1998;20:749-62.
62. Cooper GS, **Sandler DP**, Bohlig M. Active and passive smoking in relation to age at natural menopause. *Epidemiology* 1999;10:771-773.
63. Cooper GS, Baird DD, Weinberg CR, Ephross SA, **Sandler DP**. Age at menopause and child-bearing patterns in relation to mortality. *Am J Epidemiol* 2000;151:620-3.
64. Longnecker MP, Kamel F, Umbach DM, Munsat TL, Shefner JM, Lansdell LW, **Sandler DP**. Dietary intake of calcium, magnesium, and antioxidants in relation to risk of amyotrophic lateral sclerosis. *Neuroepidemiology* 2000;19:210-16.
65. Kamel F, Boyes WK, Gladen BC, Rowland AS, Alavanja MCR, Blair A, **Sandler DP**. Association of retinal degeneration with fungicide use in licensed pesticide applicators. *Am J Indust Med* 2000;37:618-628.
66. Mage DT, Alavanja, MCR, **Sandler DP**, McDonnell CJ, Kross B, Rowland A, Blair A. A model for predicting the frequency of high pesticide exposure events in the Agricultural Health Study. *Environ Res* 2000;83:67-71.
67. Cooper GS, Ephros SA, **Sandler DP**. Menstrual patterns and risk of adult onset diabetes mellitus. *J Clin Epidemiol* 2000;53:1170-3.

68. Duell EJ, Millikan RC, Savitz DA, Newman B, Smith J, Schell MJ, **Sandler DP**. A population-based case-control study of farming and breast cancer in North Carolina. *Epidemiology* 2000;11:523-531.
69. Yeh H-C, Matanoski GM, Wang N-Y, **Sandler DP**, Comstock GW. Cancer incidence after childhood nasopharyngeal radium irradiation: A follow-up study in Washington County, Maryland. *Am J Epidemiol* 2001;153:749-756.
70. Cooper GS, Longnecker, MP, **Sandler DP**, Ness RB. Risk of Ovarian cancer in Relation to Use of Phenolphthalein-containing laxatives. *Br J Cancer* 2000;83:404-6.
71. Kamel F, Moreno T, Rowland AS, Stallone L, Ramirez-Garnica G, **Sandler DP**. Recruiting a community sample in collaboration with farmworkers. *Environ Health Perspect* 2001;109 (suppl 3):457-459.
72. Duell EJ, Millikan RC, Savitz DA, Schell MJ, Newman B, Tse C-KJ, **Sandler DP**. Reproducibility of reported farming activities and pesticide use among breast cancer cases and controls: A comparison of two models of data collection. *Ann Epidemiol* 2001;11:178-85.
73. Rowland AS, Umbach DM, Catoe KE, Stallone L, Long S, Rabiner D, Naftel AJ, Panke D, Faulk R, **Sandler DP**. Studying the epidemiology of attention-deficit/hyperactivity disorder: Screening method and pilot results. *Canadian J Psychiatry* 2001;46:931-940.
74. Rowland AS, Umbach DM, Stallone L, Naftel AJ, Bohlig EM, **Sandler DP**. Prevalence of medication treatment for attention deficit-hyperactivity disorder among elementary school children, Johnston county, NC. *Am J Pub Health* 2002;92:231-234.
75. Dosemeci M, Alavanja MCR, Rowland AS, Mage D, Zahm SH, Rothamn N, Lubin JH, Hoppin J, **Sandler DP**, Blair A. A semi-quantitative approach for estimating exposure to pesticides in the Agricultural Health Study, *Ann Occup Hyg* 2002;46:245-260.
76. Blair A, Tarone R, **Sandler D**, Lynch CF, Rowland A, Wintersteen W, Steen WC, Samanic C, Dosemeci M, Alavanja MCR. Reliability of reporting on lifestyle and agricultural factors by a sample of participants in the Agricultural Health Study from Iowa. *Epidemiology* 2002;13:94-99.
77. Hoppin JA, Umbach DM, London SJ, Alavanja MCR, **Sandler DP**. Chemical predictors of wheeze among farmer pesticide applicators in the Agricultural Health Study. *Amer J Resp Dis and Crit Care Med* 2002;165:683-689.
78. Martin SA, **Sandler DP**, Harlow SD, Shore DL, Rowland AS, Alavanja MCR. Pesticide use and pesticide-related symptoms among black farmers in the agricultural health study. *Am J Ind Med* 2002;41:202-209

79. Rowland AS, Baird DD, Long S, Wegienka G, Harlow SD, Alavanja A, **Sandler DP**. Influence of medical conditions and lifestyle factors on menstrual cycles. *Epidemiology* 2002;13:668-74.
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Chapters, Proceedings, Invited Reviews, and Commentaries

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Kamel F, Rowland AS, Park LP, Anger WK, Baird DD, Gladen BC, Hudnell K, Moreno T, Stallone L, **Sandler DP**. Workplace quality, pesticide exposure, and neurobehavioral performance in Florida farmworkers.

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Slager RE, Poole JA, LeVan TD, **Sandler DP**, Alavanja MCR, Hoppin JA. Occupational

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Christensen, CH, Platz E, Andreotti G, Blair A, Hoppin J, Koutros S, Lynch CF, **Sandler DP**, Alavanja MCR. Coumaphos exposure and incident cancer among male participants in the Agricultural Health Study (AHS).

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Kim S, DeRoo LA, **Sandler DP**. Sociodemographic and lifestyle factors associated with sleep duration.

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Xu Q, Parks CG, DeRoo LA, **Sandler DP**, Chen H. Multivitamin use, micronutrient intake and telomere length among women.

Kim S, Parks CG, DeRoo LA, Chen H, **Sandler DP**. Obesity and weight change in adulthood and telomere length.

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Letters

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Invited Presentations

1. Health consequences of nasopharyngeal radium exposure. Symposium on Biologic Effects of Ionizing Radiation, Bureau of Radiological Health, FDA, PHS, Rockville, MD, June 6, 1979.
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3. Environmental factors and risk of chronic renal failure. Biennial Science Open House and dedication of new Research Facility, NIEHS. Scientific Session, approaches to problems in environmental health. November 16, 1982.
4. A case-control study of environmental factors and chronic renal failure. Metallothione and Cadmium Nephrotoxicity Conference, Research Triangle Park, NC, May 1984.
5. Methodologic issues in epidemiologic studies of renal disease: Criteria for case ascertainment and classification. Royal Society of Medicine Conference on Analgesics and Renal Disease: Who is at Risk? June 12, 1985, London, England.
6. Passive smoking and cancer risk: Methodologic issues and recommendations for future research. National Academy of Sciences, National Research Council, Committee on Passive Smoking, October 8, 1985.
7. Lifetime passive smoking and cancer risk. U.S. - Japan Joint Environmental Panel Conference, The Development and Utilization of in-vivo Systems, October 23, 1985.
8. Does passive smoking or other environmental exposure to tobacco smoke increase cancer risk? The second annual Mary A. Davis Symposium. Cancer Prevention and Control: An update. Pittsburgh Cancer Institute. Pittsburgh, PA, December 3-4, 1987.
9. Environmental Factors in Chronic Renal Disease: Methodologic Issues and Preliminary Findings. Johns Hopkins University, School of Hygiene and Public Health, Epidemiology Department Seminar Series, March 13, 1987.
10. Non-aspirin Nonsteroidal Anti-Inflammatory Drug Use and Chronic Renal Disease Risk. Fourth International Nephrotoxicity Symposium, Guildford, England, July 1989.
11. Chronic Renal Disease Risk Associated with Employment in Industries with Potential Solvent Exposure, Fourth International Nephrotoxicity Symposium, Guildford, England, July 1989.
12. Cardiovascular Effects of Passive Smoke Exposure. 1990 Winter Toxicology Forum, Washington, D.C. February 18-21, 1990.
13. Kidney disease and over the counter pain medications. Congressional staff briefing, January 1990.
14. Chronic kidney disease risk associated with use of nonsteroidal anti-inflammatory drugs. Pharmacoepidemiology Conference, Department of Preventive Medicine, Vanderbilt University, April 8, 1991.
15. Epidemiology and Etiology of Acute Leukemia: An Update. Recent Progress in Biology and Clinical Research in Adult Leukemia, Leukemia 1992, Genoa, Italy, July 4, 1992.

16. Environmental risk factors for leukemia. University of Delaware Cancer Center, Annual Continuing Education Program, March 30, 1994.
17. Leukemia risk from combustion products. Workshop on Environment and Leukemia, Leukemia Society of America, October 31, 1994.
18. Epidemiology of Leukemia. Education Program - Acute Leukemia, The American Society of Hematology, Nashville, Tennessee, December 3-4, 1994.
19. Environmental factors and risk for acute leukemia. Grand Rounds, Roswell Park Cancer Institute, January 1995.
20. Potential Non-Cancer Health Effects of Exposure to Agricultural Chemicals: The Agricultural Health Study. University of Iowa Center for Health Effects of Environmental Contamination, June 1995.
21. The Washington County, Maryland Study of Health Effects of Nasopharyngeal Radium Irradiation. The Public Health Response to Nasopharyngeal Radium Irradiation: A Workshop. September 1995.
22. Environmental causes of acute leukemia and myelodysplasia. Oncology Multidisciplinary Clinical Conference, Johns Hopkins University, January 1997
23. Environmental and genetic factors in the etiology of myeloid dysplasia. Medical University of South Carolina, March 1997.
24. Testimony before the US Senate Cancer Coalition: Federal research on environmental causes of cancer. March 1997.
25. Indoor radon and Lung Cancer Risk: A case-control study in Connecticut and Utah. American Statistical Association Conference on Radiation and Health. June 1998.
26. Assessing radon exposure in a case-control study in Connecticut and Utah. Workshop on The Role of Human Exposure Assessment in the Prevention of Environmental Disease, September 1999.
27. Environment and breast cancer: The Sister Study. National Breast Cancer Coalition Fund Annual Meeting, April 2000.
28. The Challenge of Designing Environmental Breast Cancer Research. National Breast cancer Coalition Fund Annual Meeting, April 29, 2002.
29. The Agricultural Health Study. Short course: Current Topics in Pesticide Toxicity: An Intensive Workshop, North Carolina State University, April 2002.

30. Endocrine disrupting pesticides and risk for cancer. Invited discussant. Pesticides and Cancer Risk. Oxford, England. November 2002.
31. Morbidity and mortality associated with menstrual cycle and reproductive characteristics. TREMIN's Contributions to Menstrual Cycle Research Over 70 Years. Penn State University, October 2003.
32. The Sister Study of Environmental and Genetic causes of Breast cancer – Study Design and Progress. Invited Speaker. The BIRCWH Program, University of North Carolina School of Medicine, Office of the Dean. November 2004.
33. The Sister Study: Identifying environmental risk factors for breast cancer in a genetically and environmentally enriched cohort. The University of Illinois at Chicago Division of Epidemiology and Biostatistics, April 2005.
34. The Sister Study: Enrolling a diverse cohort to study environmental and genetic risk factors for breast cancer. OMH Summit 2006 – Eliminating Racial and Ethnic Disparities in Health, Washington D.C., January 2006.
35. Radon and cancer in Czech uranium miners: been there, done that or something more to learn? Occupational and Environmental Epidemiology Branch, DCEG, NCI, March 9, 2006.
36. Distinguished Lecture in Occupational and Environmental Cancer, Occupational and Environmental Epidemiology Branch, DCEG, NCI, March 9, 2006.
37. The Sister Study: Environmental and genetic risk factors for breast cancer in a risk-enriched cohort. 2006 Copeland Lecture, Hematology/Oncology Grand Rounds, Henry Ford Health System, March 31, 2006.
38. The Sister and Two Sister Study. 2007 Komen Foundation Mission Conference, Washington DC, August 2007.

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1. **Sandler DP**, Matanoski GM, Comstock GW: Health consequences of nasopharyngeal radium irradiation. Am J Epidemiol 110: 358, 1979
2. Sandler RS, **Sandler DP**: Trends in liver cancer mortality. Hepatology 1: 543, 1981.
3. Sandler RS, **Sandler DP**: Expected yield from screening for cancer of the gastric remnant. Gastroenterology 84: 1295, 1983.
4. **Sandler DP**: A case-control study of environmental factors and chronic renal failure. Environ Health Perspect 54: 293-4, 1984.

5. **Sandler DP**, Wilcox AJ, Everson RB: Cumulative passive exposure to cigarette smoke and cancer risk. *Am J Epidemiol* 120: 482, 1984.
6. Sandler RS, **Sandler DP**, Comstock GW: Cigarette smoking and the risk of colon cancer in women. *Gastroenterology* 92: 1613, 1987.
7. **Sandler DP**, Helsing KJ, Shore DL, Comstock GW: Heart disease mortality in smokers and nonsmokers who live with smokers. *Am J Epidemiol* 126: 741, 1987.
8. **Sandler DP**, Helsing KJ, Shore DL, Comstock GW: Mortality associated with household exposure to cigarette-smoke. *Environ Health Perspect* 75: 125-126, 1987.
9. **Sandler DP**, Buckalew VM, Dennis VW, Blythe WB, Burgess WP: Analgesic use and chronic renal disease. *Am J Epidemiol*, 128(4): 909, 1988.
10. **Sandler DP**, Burr FR: Chronic kidney disease risk associated with use of non-steroidal anti-inflammatory drugs. *Am J Epidemiol* 132:793, 1990.
11. **Sandler DP**: Non-aspirin Nonsteroidal Anti-Inflammatory Drug Use and Chronic Renal Disease Risk. *Renal Failure* 11: 236, 1989-1990.
12. **Sandler DP**, Smith JC: Chronic Renal Disease Risk Associated with Employment in Industries with Potential Solvent Exposure. *Renal Failure* 11: 280, 1989-1990.
13. **Sandler DP**, Shore DL, Bloomfield CD, Cancer and Leukemia Group B. Cigarette smoking and risk of acute leukemia. *Am J Epidemiol*, 136:1020,1992.
14. Taylor JA, **Sandler DP**, Bloomfield CD, Shore DL, Ball ED, Neubauer A, McIntyre OR, Liu E: *ras* oncogene activation and occupational exposures in acute myeloid leukemia. *Am J Epidemiol*, 136:1020,1992 .
15. Liu E, **Sandler D**, Neubauer A, Taylor J, Dodge R, Shore D, Ball E, McIntyre R, Bloomfield CD: Clinical and etiological importance of mutant *ras* genes in adult acute myeloid leukemia (AML). *Blood* 78(10):337a, 1991.
16. **Sandler DP**, Shore DL, Bloomfield CD, Cancer and Leukemia Group B (CALGB) investigators: Hair Dye Use and Leukemia. *Am J Epidemiol* 138:636-7, 1993.
17. **Sandler DP**, Shore DL, Liu E, Bloomfield CD: Exposure to chemicals and risk for myelodysplastic syndrome. (abstr) *Am J Epidemiol* 1995; 141:S60.
18. Hnizdo D, Rericha V, **Sandler DP**, Sram RJ: Study of adverse reproductive outcomes in relation to paternal exposure to ionizing radiation in Czech uranium mines. *Epidemiology* 1995; 6:S86.

19. Cooper GS, Ephross SA, Weinberg CR, Baird DD, Whelan EA, **Sandler DP**. Menstrual and reproductive risk factors for ischemic heart disease. *Am J Epidemiol* 1998;147:S50.
20. Kamel F, Umbach DM, Hu H, Munsat T, Shefner JM, **Sandler DP**. Lead exposure and amyotrophic lateral sclerosis (ALS). *Am J Epidemiol* 1998;147:S75.
21. **Sandler DP**, Shore DL, Solansky I, Rericha V, Hnizdo E, Sram R. Lung cancer incidence in Czech uranium miners with low-level radon exposure. *Am J Epidemiol* 1998;147:S86.
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24. **Sandler DP**, Shore DL, Solansky I, Rericha V, Hnizdo E, Sram R. Lung cancer in Czech Uranium miners. *Epidemiology* 1998;9:S44.
25. Camman DE, Curwin B, Bond AE, Alavanja MCR, **Sandler DP**, Mage DT, Steen WC. Dermal exposure to groundboom-applied pesticides. *Epidemiology* 1998;9:S80.
26. Rericha V, **Sandler DP**, Shore DL, Solansky, Hnizdo E, Sram R. Non-lung cancer incidence in Czech uranium miners. *Epidemiology* 1998;9:S99.
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28. Kamel F, Boyes WK, Gladen BC, Blair A, Alavanja MCR, **Sandler, DP**. Visual dysfunction and pesticide use (abstract). *Epidemiology* 1999;10:S123.
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