

April 2013

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, NC
- 2003 - date Chief, Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC

Honors and Other Scientific Recognition

Fellow, American College of Epidemiology
Delta and Scarlet Key Honor Societies, Boston University
Public Health Service Traineeship: Sept 1974 - Jun 1975; Aug 1976 - Jun 1977
National Institutes of Health, Award of Merit, 1992
NIEHS Staff Recognition Award, 1996, 1997, 1998, 1999, 2000, 2001
Elected to Membership, American Epidemiological Society, 1999
American College of Epidemiology Leadership and Distinguished Service Award, 2003
American College of Epidemiology Leadership Recognition, 2007
NIH Director's Award (The Sister Study), 2009
NIEHS Director's Award, 2009
NIH Plain Language Gold Award (Agricultural Health Study Newsletter), 2010
U.S. EPA Office of Research and Development Honor Award (Bronze Medal, team award), 2010
Scientist of the Year, Division of Intramural Research, NIEHS, 2010
NIH Director's Award (The GuLF STUDY), 2011
NIH Director's Award (NIH Gulf Oil Spill Response), 2011
Alpha Chapter, Delta Omega Honorary Society in Public Health, The Johns Hopkins Bloomberg School of Public Health, 2012

Memberships

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

Research Interests

Environmental and genetic risk factors for breast cancer and other chronic diseases, women's health, early life and reproductive factors related to health in adulthood, chronic renal failure, health effects of pesticides and other agricultural exposures, health effects of oil spills, passive smoking, indoor radon.

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

- 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
- The Sister Study: Environmental and genetic factors in breast cancer and other diseases in women (cohort follow-up). This is a prospective study of 50,884 US and Puerto Rican women ages 37-74 at enrollment with a sister diagnosed with breast cancer. Extensive data and samples will allow studies of gene-environment interactions in breast cancer and other outcomes in a genetically enriched population. PI

- The Two Sister Study: This family based study builds on the Sister Study with questionnaires and environmental and biological samples, including DNA collected from ~1400 affected siblings of participants in the Sister Study diagnosed before age 50 and DNA from available parents. Co-PI with C. Weinberg, PI
- The GuLF STUDY: This study was designed to assess potential short and long term health effects of the oil spill following the Deepwater Horizon disaster in the Gulf of Mexico in April 2010. PI

Outside Funding

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

- Office of Research on Minority Health, "Health Effects in African Americans of Exposure to Agricultural Chemicals", FY 1994-95, \$380,000.
- Office of Research on Minority Health, "Breast Cancer Risk in African Americans", FY 1994-95, \$75,000.
- Office of Research on Women's Health, "Spontaneous Abortion Risk and Exposure to Chemicals - a validation study", FY 1995, \$35,083.
- EPA, Health Effects Research Laboratory, "Neurologic Disease and Exposure to Agricultural Chemicals - Comparison of respondents and nonrespondents", FY 1995, \$35,083.
- EPA, Office of Radiation and Indoor Air, "Estimation of Radon Exposure from Measurement of Surface-Bound PO210 Activity Accumulated in Selected Glass Artifacts", FY 1994-95, \$200,000.
- NIEHS Intramural Research Award (with J Taylor, D Bell), "Genetic and Environmental Risk Factors for Myelodysplasia", FY 1994-95, \$75,000.
- Office of Research on Minority Health, "Serum levels of DDE, steroid hormones and health effects in African American farmers", FY 1997-99, \$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 2004-05, \$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; FY 2008, \$2,100,000; FY 2009, \$2,000,000.
- Susan G Komen for the Cure. The Two Sister Study (Co-PI). CR Weinberg PI. FY 2007-10, \$1,750,000.
- Department of Defense Breast Cancer Research Program. Urinary levels of Prostaglandin E2 Metabolite and Risk of Incident Breast Cancer; Postdoctoral Training Award (Mentor). Sangmi Kim, PI/Trainee. 2009-12, \$159,871.
- NIH Common Fund. The GuLF STUDY. FY2010-14, \$18,000,000.
- NIH Gift Fund. The GuLF STUDY. FY 2011, \$6,000,000.
- Center for Disease Control (CDC). Impact of Breast Cancer in the Family and Factors Affecting Quality of Life in Early Onset Breast cancer Survivors. FY 2011-13, \$1,300,000.
- Avon Foundation. Reproductive Hormones, Central Adiposity, and Oxidative Stress in Premenopausal Women (Co-I). HB Nichols, PI. 2012-14, \$200,000.

Doctoral and Masters 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, IL

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

Denise Spector, RN

Ph.D. 2009, Nursing

School of Nursing

University of North Carolina at Chapel Hill

Breast cancer risk perception and adoption of healthy lifestyle: qualitative and quantitative study – *funding, American Cancer Society Doctoral Scholarship in Cancer Nursing, 2007-2009.*

Current Position: Postdoctoral Fellow, Cancer Health Disparities, Department of Nutrition, Gillings School of Public Health, University of North Carolina at Chapel Hill

Jill Lebov

Ph.D. Candidate - current, Epidemiology

University of North Carolina at Chapel Hill

Pesticide use and End Stage Renal Disease in the Agricultural Health Study Cohort.

Postdoctoral and Other Trainees

Suma Vupputuri, PhD

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

Current Position: Research Investigator, The Center for Health Research/Southeast, Kaiser Permanente Georgia; formerly Assistant Professor, University of North Carolina, Chapel Hill, NC

Wiwon Sanasuttipun, PhD

2002-2004; Risk factors for lung cancer

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

Tina Saldaña, PhD

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

Current Position: Research Analyst, Social and Scientific Systems, Durham, NC

Sangmi Kim, PhD

2007-2012; Inflammation, obesity, and breast cancer

Current Position: Assistant Professor, Section of Hematology/Oncology, Department of Medicine, Georgia Health Sciences University, Augusta, GA

Aimee D'Aloisio, PhD

2007-2011; Gene polymorphisms and breast cancer risk, risk factors for uterine fibroids

Current Position: Senior Research Analyst, Social and Scientific Systems, Durham, NC

Christine Parks, PhD

2007 - date; Environmental contributors to autoimmune diseases; stress, telomere length, and breast cancer; autoimmunity and breast cancer

Cynthia Lin (post baccalaureate trainee)

2008-2011; Environmental exposures and diabetes, anthropometric characteristics disease risk

Current Position: Student (Doctoral), University of North Carolina School of Public Health, Epidemiology

Hazel Nichols, PhD

2011- date; Hormones, reproductive history and breast cancer

Christine Ekenga, PhD

2011 – date; Exposure to oil-spill chemicals; chemical exposures and breast cancer risk

Tracy L Peters (post-doctoral trainee – NIH-Karolinska Institute Training Program)

2011 – date; Etiology and prognosis in ALS – co-mentor Freya Kamel.

Editorships

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

Editor, Epidemiology (Mar 2001 – Mar 2007)

Editor, American Journal of Epidemiology (Oct 1998 - Dec 2001)

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. Am J Epidemiol 2001;154:S1-S98.

Other Professional Activities

President-elect, President, Past-president, American College of Epidemiology (Oct 1999-Sep 2001)

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

Study Section, State of California, Tobacco Related Diseases Research Program (1993-1995)

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

Program Chair, Annual Meeting, American College of Epidemiology (1996)

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

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 (Jun 1999)

Member, External Advisory Committee, National Analgesic Nephropathy (NAN) Study, Lawrence Agodoa, NIDDK Project Officer, (Jan 2000 - Dec 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 (Jun 2001)

Member, Scientific Advisory Board, Ethical, Legal, and Social Issues in Environmental Genomics (ELSI) Project, Fran Lynn, PI, University of North Carolina, Chapel Hill (2001-2003)

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

Planning Committee, 2004 Meeting of the American College of Epidemiology (2004)

Symposium organizer and chair, Genetics and Epidemiology: Opportunities and Challenges, Annual Meeting of the American College of Epidemiology, (Sep 2004)

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

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

Member, Cohort Consortium (2006 – date)

Member, Scientific Translational and Clinical Scientific Review Committee, Cancer Prevention and Research Institute of Texas (CPRIT) (2009-date)

Ex-Officio Member, Interagency Breast Cancer & Environmental Research Coordinating Committee (2010-2012)

Member, External Advisory Board, Breast Cancer and the Environment Research Program Coordinating Center (2010-date)

Member, Panel on Epidemiology and Public Health, Karolinski Institutet External Research Assessment (ERA 2010) (Mar 28-31, 2011)

Member, Advisory Council, Data Sharing and Privacy in Digital-Age Environmental Health Studies, Julia Brody, PI. (2013-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
Obesity

Committees and Workshops

Workshop on Chronic Disease in the Workplace and the Environment, Work Group on Renal Disease. Washington, DC, Oct 31 - Nov 1, 1983
Workshop on the Contribution of Airborne Pollutants to Respiratory Cancer, Work Group on Passive Smoking. Snowbird, UT, Jul 16-19, 1985
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), Jun 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, FL, Oct 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 - 2000
NCI/NIOSH Workshop on the Use of Case-control Studies in the Investigation of Occupational Exposures and Cancer, Apr 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, Nov 1999
Panelist, National Cancer Institute State of the Science Meeting on Myelodysplastic Syndromes, Oct 30-31, 2000
Trans-NBC – Human Data and Specimen Committee, 2006 - 2011
Chair, Mammary Gland Break-out Group, National Toxicology Program workshop on Hormonally-Induced Reproductive Tumors – Relevance of Rodent Bioassays Workshop, Mar 22-24, 2006
NIH Scientific Directors' Subcommittee on Biorepository Practices and Guidelines within the NIH Intramural Research Program, 2006 - 2011

Hair Dye Exposure Assessment Workshop, Epidemiology Peer Review Group and Proctor and Gamble, Sep 2007
Member, Search Committees, Occupational and Environmental Epidemiology Branch, DCEG, NCI, Branch Chief 2007; Tenure track investigators 2008
Member, Search Committee, Hormonal and Reproductive Epidemiology Branch, DCEG, NCI, Tenure Track Investigator(s), 2009
Member, Stadtman NIH-wide Tenure Track Investigator Search Committee (Epidemiology/Population Sciences), 2010, 2012
Member, Steering Committee, Deepwater Horizon Research Consortium, 2011-date
Panelist, Data Sharing Strategies for Environmental Health Science Research Workshop, Feb 2012.
Panelist, Engaging the Community for Research Success: What Scientists and IRBs Need to Know. NIEHS/OHRP South Atlantic National Conference, Mar 2012.

NIEHS Committees

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 (2007; 2011)
Chair, PMAP Review Committee (2007-2008)
Search Committee – Scientific Director (2009-2010)
DIR Administrative Liaison Committee (2012-date)
DIR Tenure Track Review Committee (2012-date)

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* 1977; 2:11-14. PMID: 69101.
2. Kasl S, **Sandler DP**. An epidemiologic study of serum cholesterol and serum uric acid in a population of healthy young men. *Military Medicine* 1977; 142:853-857. PMID: 412123.
3. Wilcox AJ, Treloar AE, **Sandler, DP**. Spontaneous abortion over time: Comparing occurrence in two cohorts of women a generation apart. *Am J Epidemiol* 1981; 114: 548-553. PMID: 7304585.
4. **Sandler DP**, Comstock GW, Matanoski GM. Neoplasms following childhood radium irradiation of the nasopharynx. *J Natl Cancer Inst* 1982; 68:3-8. PMID: 6948125.
5. **Sandler DP**, Sandler RS, Horney LF. Primary liver cancer mortality in the United States. *J Chronic Dis* 1983; 36:227-236. PMID: 6298268.

6. Sandler RS, **Sandler DP**. Radiation induced cancers of the colon and rectum: Assessing the risk. *Gastroenterology* 1983; 84:51-57. PMID: 6847854.
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* 1983; 4:565-575. PMID: 6869381.
8. Sandler RS, Freund DA, Herbst CA, **Sandler DP**. Cost-effectiveness of postoperative carcinoembryonic antigen (CEA) monitoring in colorectal cancer. *Cancer* 1984; 53:193-198. PMID: 6418372.
9. **Sandler DP**, Wilcox AJ, Horney LF. Age at menarche and subsequent reproductive events. *Am J Epidemiol* 1984; 119:765-775. PMID: 6720673.
10. Landrigan PJ, Goyer RA, Clarkson TW, **Sandler DP**, Smith JH, Thun MJ, Wedeen RP. The work-relatedness of renal disease. *Arch Environ Health* 1984; 39:225-230. PMID: 6380428.
11. **Sandler DP**, Everson RB, Wilcox AJ. Passive smoking in adulthood and cancer risk. *Am J Epidemiol* 1985; 121:37-48. PMID: 3964991.
12. **Sandler DP**, Wilcox AJ, Everson RB. Cumulative effects of lifetime passive smoking on cancer risk. *Lancet* 1985; 1:312-315. PMID: 2857366.
13. **Sandler DP**, Everson RB, Wilcox AJ, Browder JP. Cancer risk in adulthood from early life exposure to parents' smoking. *Am J Public Health* 1985; 75:487-492. PMID: 3985235. PMCID: PMC1646286.
14. **Sandler DP**, Shore DL. Quality of data on parents' smoking and drinking provided by adult offspring. *Am J Epidemiol* 1986; 124:768-778. PMID: 3766510.
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* 1986; 293:792. PMID: 3094660. PMCID: PMC1341577.
16. Kuller LH, Garfinkel L, Correa P, Haley N, Hoffman D, Preston-Martin S, **Sandler D**. Contribution of passive smoking to respiratory cancer. *Environ Health Perspect* 1986; 70:57-69. PMID: 3830114. PMCID: PMC1474280.
17. **Sandler DP**, Collman GW. Cytogenetic and environmental factors in the etiology of the acute leukemias in adults. *Am J Epidemiol* 1987; 126:1017-1032. PMID: 3318409.
18. **Sandler DP**. Epidemiology of acute myelogenous leukemia. *Sem Oncol* 1987; 14:359-364. PMID: 3321440.
19. Helsing KJ, **Sandler DP**, Comstock GW, Chee E. Heart disease mortality in nonsmokers living with smokers. *Am J Epidemiol* 1988; 127:915-922. PMID: 3358412.
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* 1988; 17:469-471. PMID: 3403143.

21. **Sandler DP**, Helsing KJ, Comstock GW, Shore DL. Factors associated with past household exposure to tobacco smoke. *Am J Epidemiol* 1989; 129:380-387. PMID: 2912047.
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* 1988; 61:13-18. PMID: 3198278.
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* 1988; 80:1329-1333. PMID: 3172257.
24. **Sandler DP**, Comstock GW, Helsing KJ, Shore DL. Deaths from all causes in nonsmokers who lived with smokers. *Am J Public Health* 1989; 79:163-167. PMID: 2913834. PMCID: PMC1349926.
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* 1989; 320:1238-1243. PMID: 2651928.
26. Whelan EA, **Sandler DP**, McConnaughey DR, Weinberg CR. Menstrual and reproductive characteristics and age at natural menopause. *Am J Epidemiol* 1990; 131:625-632. PMID: 2316494.
27. John EM, Savitz DA, **Sandler DP**. Prenatal exposure to parents' smoking and the risk of childhood cancer. *Am J Epidemiol* 1991; 133:123-132. PMID: 1822074.
28. Collman GW, Loomis DP, **Sandler DP**. Childhood cancer mortality and radon concentration of drinking water in North Carolina. *Br J Cancer* 1991; 63:626-629. PMID: 2021549. PMCID: PMC1972344.
29. **Sandler DP**, Burr FR, Weinberg CR. Nonsteroidal anti-inflammatory drugs and risk of chronic renal disease. *Ann Int Med* 1991; 115:165-172. PMID: 2058870.
30. Weinberg CR, **Sandler DP**: Randomized recruitment in case-control studies. *Am J Epidemiol* 1991; 134:421-432. PMID: 1877602.
31. Sandler RS, **Sandler DP**, McDonnell CW, Wurzelmann JI. Childhood exposure to environmental tobacco smoke and the risk of ulcerative colitis. *Am J Epidemiol* 1992; 135:603-608. PMID: 1580236.
32. **Sandler DP**. Epidemiology and etiology of acute leukemia: an update. *Leukemia* 1992; 6(suppl 4):3-5. PMID: 1434828.
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* 1992; 84:1626-1632. PMID: 1433344.

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* 1993; 48:414-420. PMID: 8250593.
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* 1993; 85:1994-2003. PMID: 8246285.
36. Whelan EA, **Sandler DP**, Root J, Smith KR. Menstrual cycle patterns and risk of breast cancer. *Am J Epidemiol* 1994; 140:1081-1090. PMID: 7998590.
37. Melnick RL, Dunnick JK, **Sandler DP**, Elwell MR, Barrett JC. Trihalomethanes and other environmental factors that contribute to colorectal cancer. *Environ Health Perspect* 1994; 102:586-588. PMID: 9679120. PMCID: PMC1569766.
38. Alavanja MC, 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**, Sinha R, Swanson C, Tarone R, Weinberg C, Zahm SH. Cancer and non-cancer risk to women in agriculture and pest control: The Agricultural Health Study. *J Occup Med* 1994; 36:1247-1250. PMID: 7532217.
39. Root J, Smith KR, Whelan EA, **Sandler D**, Voda AM. Tracing women over half a century: strategies to locate subjects lost to follow-up in a longitudinal health study. *Res Aging* 1994; 16:375-88.
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* 1995; 86:106-110. PMID: 7659036.
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* 1996; 347:295-297. PMID: 8569364.
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* 1996; 104:362-369. PMID: 8732939. PMCID: PMC1469343.
43. **Sandler DP**, Ross JA. Epidemiology of acute leukemia in children and adults. *Sem Oncol* 1997; 24:3-16. PMID: 9045302.
44. Weinberg CR, Moledar ES, Umbach DM, **Sandler DP**. Imputation for exposure histories with gaps, under an excess relative risk model. *Epidemiology* 1996; 7:490-497. PMID: 8862979.
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* 1996; 7:624-628. PMID: 8899389.

46. Cooper GS, Kamel FK, **Sandler DP**, Davey FR, Bloomfield CD. Risk of adult leukemia in relation to prior immune-related conditions. *Cancer Epidemiol Biomarkers Prev* 1996; 5:867-872. PMID: 8922293.
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* 1997; 18:97-105. PMID: 9054595.
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* 1997; 31:233-242. PMID: 9028440.
49. Cooper GS, **Sandler DP**. Long-term effects of reproductive-age menstrual cycle patterns on peri- and post-menopausal fracture risk. *Am J Epidemiol* 1997; 145:804-809. PMID: 9143210.
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. PMID: 10092410.
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. PMID: 9370521. PMCID: PMC1470333.
52. Cooper GS, **Sandler DP**. Age at natural menopause and mortality. *Ann Epidemiol* 1998; 8:229-235. PMID: 9590601.
53. Alavanja MC, **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; 106:415-420. PMID: 9637799. PMCID: PMC1533128.
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. PMID: 10092411.
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. PMID: 9816416.
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Environmental factors and chronic renal failure. National Academy of Sciences Board on Toxicology and Environmental Health Hazards. Oct 1, 1982.

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. Nov 16, 1982.

1984

A case-control study of environmental factors and chronic renal failure. Metallothione and Cadmium Nephrotoxicity Conference, Research Triangle Park NC, May 1984.

1985

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? London, England. Jun 12, 1985.

Passive smoking and cancer risk: Methodologic issues and recommendations for future research. National Academy of Sciences, National Research Council, Committee on Passive Smoking, Oct 8, 1985.

Lifetime passive smoking and cancer risk. U.S. - Japan Joint Environmental Panel Conference, The Development and Utilization of in-vivo Systems, Oct 23, 1985.

1987

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, Dec 3-4, 1987.

Environmental Factors in Chronic Renal Disease: Methodologic Issues and Preliminary Findings. Johns Hopkins University, School of Hygiene and Public Health, Epidemiology Department Seminar Series, Mar 13, 1987.

1989

Non-aspirin Nonsteroidal Anti-Inflammatory Drug Use and Chronic Renal Disease Risk. Fourth International Nephrotoxicity Symposium, Guildford, England, Jul 1989.

Chronic Renal Disease Risk Associated with Employment in Industries with Potential Solvent Exposure, Fourth International Nephrotoxicity Symposium, Guildford, England, Jul 1989.

1990

Cardiovascular Effects of Passive Smoke Exposure. 1990 Winter Toxicology Forum, Washington DC, Feb 18-21, 1990.

Kidney disease and over the counter pain medications. Congressional staff briefing, Jan 1990.

1991

Chronic kidney disease risk associated with use of nonsteroidal anti-inflammatory drugs. Pharmacoepidemiology Conference, Department of Preventive Medicine, Vanderbilt University, Apr 8, 1991.

1992

Epidemiology and Etiology of Acute Leukemia: An Update. Recent Progress in Biology and Clinical Research in Adult Leukemia, Leukemia 1992, Genoa, Italy, Jul 4, 1992.

1994

Environmental risk factors for leukemia. University of Delaware Cancer Center, Annual Continuing Education Program, Mar 30, 1994.

Leukemia risk from combustion products. Workshop on Environment and Leukemia, Leukemia Society of America, Oct 31, 1994.

Epidemiology of Leukemia. Education Program - Acute Leukemia, The American Society of Hematology, Nashville TN, Dec 3-4, 1994.

1995

Environmental factors and risk for acute leukemia. Grand Rounds, Roswell Park Cancer Institute, Jan 1995.

Potential Non-Cancer Health Effects of Exposure to Agricultural Chemicals: The Agricultural Health Study. University of Iowa Center for Health Effects of Environmental Contamination, Jun 1995.

The Washington County, Maryland Study of Health Effects of Nasopharyngeal Radium Irradiation. The Public Health Response to Nasopharyngeal Radium Irradiation: A Workshop. Sep 1995.

1997

Environmental causes of acute leukemia and myelodysplasia. Oncology Multidisciplinary Clinical Conference, Johns Hopkins University, Baltimore MD, Jan 1997.

Environmental and genetic factors in the etiology of myeloid dysplasia. Medical University of South Carolina, Charleston SC, Mar 1997.

Testimony before the US Senate Cancer Coalition: Federal research on environmental causes of cancer. Washington DC, Mar 1997.

1998

Indoor radon and Lung Cancer Risk: A case-control study in Connecticut and Utah. American Statistical Association Conference on Radiation and Health. Jun 1998.

1999

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, Sep 1999.

2000

Environment and breast cancer: The Sister Study. National Breast Cancer Coalition Fund Annual Meeting, Apr 2000.

2002

The Challenge of Designing Environmental Breast Cancer Research. National Breast cancer Coalition Fund Annual Meeting, Apr 29, 2002.

The Agricultural Health Study. Short course: Current Topics in Pesticide Toxicity: An Intensive Workshop, North Carolina State University, Raleigh NC, Apr 2002.

Endocrine disrupting pesticides and risk for cancer. Invited discussant. Pesticides and Cancer Risk. Oxford, England, Nov 2002.

2003

Morbidity and mortality associated with menstrual cycle and reproductive characteristics. TREMIN's Contributions to Menstrual Cycle Research Over 70 Years. Penn State University, Oct 2003.

2004

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, Chapel Hill NC, Nov 2004.

2005

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, Chicago IL, Apr 2005.

2006

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 DC, Jan 2006.

Radon and cancer in Czech uranium miners: been there, done that or something more to learn? Occupational and Environmental Epidemiology Branch, DCEG, NCI, Bethesda MD, Mar 9, 2006.

Distinguished Lecture in Occupational and Environmental Cancer, Occupational and Environmental Epidemiology Branch, DCEG, NCI, Bethesda MD, Mar 9, 2006.

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, Detroit MI, Mar 31, 2006.

2007

The Sister and Two Sister Study. 2007 Komen Foundation Mission Conference, Washington DC, Aug 2007.

2008

Remote Data Collection Devices in Large Scale Epidemiologic Studies: Opportunities and Challenges. International Society for Environmental Epidemiology, Pasadena CA, Oct 2008.

2009

Large, long-term prospective studies. International Workshop on MS Risk Factors and Frequency. New York NY, Feb 2009.

Studying gene-environment interactions in a risk-enriched cohort. 2008-2009 Environmental and Occupational Health Sciences Research Seminar Series, University of Texas School of Public Health, Feb 2009.

Toward a National Cancer Registry, CDC and American Cancer Society, Nov 2009.

2010

The Sister Study: Challenges in recruiting a diverse study population. Keynote Address. National Latino Cancer Summit 2010, San Francisco CA, July 2010.

Studying environment and breast cancer: Opportunities and challenges. Cancer and the Environment: From Molecules to Populations, Duke University, Durham NC, Oct 2010.

The Gulf Study. Annual Occupational Safety and Health Update Conference, University of North Carolina, Chapel Hill NC, Dec 2010.

2011

The GuLF STUDY: Overview & Communications Challenges. Clinical Research & Professional Development Seminar Series, University of North Carolina, Chapel Hill NC, Apr 2011.

Challenges in studying the health of oil spill clean-up workers after the Deepwater Horizon emergency response. Symposium: Disaster Epidemiology: Incorporating lessons learned from retrofitting research in the context of disaster response, North American Congress of Epidemiology, Montreal, Canada, Jun 2011.

The GuLF STUDY. Workshop: Health effect studies of oil spills, Barcelona, Spain, Sep 2011.

Health research following the Deepwater Horizon Disaster. Gulf of Mexico Research Initiative Meeting, New Orleans LA, Oct 2011.

2012

The Sister Study: Recent findings and opportunities for collaboration. Women's Health center of Excellence Research Seminar Series, Wake Forest School of Medicine, Winston-Salem NC May 2012.

Planning for health research before an oil spill. University of Bergen, Bergen, Norway, Jun 2012.

Studying health effects of environmental disasters in the face of social, environmental, and economic disparities. ISEE 2012, Columbia SC, Aug 2012.

Lifestyle and environmental factors associated with telomere length. Exploring Human Genomic Plasticity and Environmental Stressors: Emerging Evidence on Telomeres, Copy Number Variation, and Transposons. National Academy of Sciences, Washington DC, Oct 2012.

Epidemiologic research in the context of an environmental disaster: Lessons from the GuLF STUDY. American Public Health Association 2012. San Francisco CA, Oct 2012.