

## 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)

**Current Position:** Senior Investigator & Chief, Epidemiology Branch,  
 Head, Chronic Disease Epidemiology Group  
 Division of Intramural Research  
 National Institute of Environmental Health Sciences, NIH  
 Research Triangle Park, NC 27709  
[sandler@niehs.nih.gov](mailto:sandler@niehs.nih.gov)  
<https://www.niehs.nih.gov/research/atniehs/labs/epi/pi/chronic/index.cfm>

**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 Scientific Recognition**

Delta and Scarlet Key Honor Societies, Boston University, 1972

Public Health Service Traineeship: 1974 - 1975 (Yale); 1976 - 1977 (Hopkins).  
Society for Epidemiologic Research Student Workshop, 1978  
Fellow, American College of Epidemiology, 1989  
National Institutes of Health, Merit Award, 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 (The Sister Study Team) 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, Johns Hopkins Bloomberg School of Public Health, 2012  
NIEHS Mentor of the Year, 2013  
NIH Merit Award (group award; Interagency Breast Cancer and Environment Coordinating Committee), 2014  
NIEHS Special Act Award, 2014  
Nathan Davis Award for Outstanding Government Service, American Medical Association, 2015  
NIA-NIEHS Collaborative Research Award 2016-2016  
Samuel J Heyman Service to America Medals ("Sammies") Nominee, 2017  
Distinguished Scholar, Division of Cancer Epidemiology and Genetics, NCI, 2018  
NIH Honor Award, 2018 (group award – Trans-NIH Mentoring Program for Tenure-Track and Assistant Clinical Investigators)  
NIH Graduate Partnerships Program Outstanding Mentor Award, 2019  
NIH Director's Award, 2019 (The Agricultural Health Study Research Team)  
NIA-NIEHS Collaborative Research Award 2021-2023

### **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.  
Co-Section Editor (with Aubrey Miller), Disaster Research in *Current Environmental Health Reports* (2019 – date).

### **Memberships**

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

### **Professional Activities** (current activities underlined)

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

Study Section, State of California, Tobacco Related Diseases Research Program (1993-1995)  
Member, Board of Directors, American College of Epidemiology (1993-2001)  
Chair, Education Committee, American College of Epidemiology (1995-1999)  
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) Program Chair, Annual Meeting, American College of Epidemiology (1996)  
Program Co-Chair, Annual Meeting, American College of Epidemiology (1997, 1998, 1999)  
Faculty, Society for Epidemiologic Research Student Workshop (Jun 1999)  
President-elect, President, Past-president, American College of Epidemiology (Oct 1999-Sep 2001)  
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 – 2007)  
Member, Cohort Consortium (2006 – date)  
Member, Scientific Translational and Clinical Scientific Review Committee, Cancer Prevention and Research Institute of Texas (CPRIT) (2009-2013)  
Ex-Officio Member, Interagency Breast Cancer & Environmental Research Coordinating Committee (2010-2013)  
Member, External Advisory Board, Breast Cancer and the Environment Research Program Coordinating Center (2010-2016)  
Member, Panel on Epidemiology and Public Health, Karolinska 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. (2013-2016)  
Reviewer, Gulf of Mexico Research Initiative (GoMRI) health-related grant applications (July 29-30, 2014).  
Member, Health Effects Institute Special Committee to Develop a Scientific Research plan on Potential Impacts of Unconventional Oil and Gas Development. (2014-2015)  
Member, Search Committee, Editor-in-Chief, *Epidemiology* (2014)  
Reviewer, Institute of Medicine, Draft Report on Evaluating Potential Exposure to Agent Orange/TCDD Residue and Level of Risk of Adverse Health Effects for Aircrew of Post-Vietnam C-123 Aircraft (2014)  
Co-Chair, The Premenopausal Breast Cancer Consortium, 2015-date.  
Member, Scientific Advisory Board, Breast Cancer Family Registries, 2018-present.

Member, Board of Scientific Counselors Working Group, Laboratory of Epidemiology and Population Sciences, NIA. February 2021  
Member Elect, NCI Cancer Consortium Steering Committee, (2022-2025)

**Reviewer for Journals (selected):**

American Journal of Epidemiology	Environmental Research
Breast Cancer Research	Epidemiology
Breast Cancer Research and Treatment	International Journal of Cancer
Cancer	International Journal of Epidemiology
Cancer Causes & Control	Journal of the National Cancer Institute
CEBP	Environmental Health Perspectives
Cancer Research	Occupational and Environmental Medicine
Environment International	JAMA

**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

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

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

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.  
Participant, Environment and Cancer Expert Roundtable, American Cancer Society, Atlanta, GA, Nov 2019.  
Co-Chair/Discussant, Breast Cancer and the Environment: Controversial and Emerging Exposures, May 2021.

**NIEHS Committees** (current activities underlined)

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 (2012-14)  
DIR Tenure Track Review Committee (2012-date)  
Search Committee – Deputy AO, DIR (2013)  
Search Committee Chair – Lead AO, DIR (2014)  
Search Committee – GS 14 Contracts Specialist, OA (2015)  
Search Committee – Epidemiology Branch Tenure Track Investigators (2015-6)  
Search Committee – Deputy Scientific Director, DIR (2016)  
Search Committee – Lead AO, DIR (2017; 2018)  
Search Committee – Chief, Biostatistics and Computational Biology Branch (2017-2018)  
Chair, Search Committee, Staff Scientists in the NIEHS Biostatistics and Computational Biology Branch, 2019  
NIEHS Intramural Opportunity Awards Committee (2020-date)  
NIEHS IC Standing Committee (2021-2023)

**Other NIH Committees** (current activities underlined)

NIH Scientific Directors’ Subcommittee on Biorepository Practices and Guidelines within the NIH Intramural Research Program, 2006 - 2011  
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 Tenure Track Investigator Search Committee (Epidemiology/Population Sciences), 2010, 2012, 2014; Co-Chair 2013.  
Member, NIH DIR Epidemiology/Biometry Tenure Review Panel, 2014-2017  
Chair, NIH DIR Epidemiology/Biometry Tenure Review Panel, 2017-date  
Co-Chair, NIH DIR Population Sciences Working Group. 2017-date  
Member, Search Committee, Senior Scientist/NCI Cohort Study PI, Division of Cancer Epidemiology and Genetics, NCI, 2019

Member, Search Committee, Tenure Track Investigator, Radiation Epidemiology Branch, DCEG, NCI, 2020.  
Chair, Search Committee, Tenure Track Investigators, Laboratory of Epidemiology and Public Health, NIA

### **Research Interests**

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

### **Current Studies with NIEHS Intramural funding**

- The Agricultural Health Study. 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. 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 allow studies of gene-environment interactions in breast cancer and other outcomes in a genetically enriched population. PI
- The GuLF STUDY: This prospective 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
- The Premenopausal Breast Cancer Consortium. Data from more than 20 international prospective cohorts have been harmonized to evaluate factors related to risk of developing breast cancer before age 55. Co-Chair

### **Outside Funding**

While most 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 Minority Health and 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, \$2,100,000; FY 2008, \$2,100,000; FY 2009, \$2,000,000; FY 2010, \$465,000.
- 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 Metabolites 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.
- NCI U01 (1U01CA203993-01A1). Integrating Mammograms in Analyses of Genes and Environment in Sisters (IMAGES) (Co-I). Parisa Tehranifar, Columbia University (PI). 2017-2020. No direct funds to Sandler; funds via subcontract to Sister Study support contractor.
- Department of Defense (W81XWH-17-1-0536). Airborne Pollutants as Triggers of Parkinson's Disease via the Olfactory System (Co-I). Honglei Chen, Michigan State University P.I. 2017-2021. No direct funds to Sandler; funds via subcontract to Sister Study support contractor.
- NIH R01 (ES-27696-01A1). Air Pollutants and Cardiovascular Risk: Investigating Thresholds with Pooled Cohorts and Electronic Health Records (Co-I). Joel Kaufman, University of Washington P.I. 2017-2020. No direct funds to Sandler; in kind enhancements to Sister Study data (geocoding, assignment of air pollution data).
- NIH Office of Dietary Supplements Research Scholar Award. The influence of  $\beta$ -carotene supplements, dietary and circulating carotenoids on oxidative stress, inflammation, and risk of postmenopausal breast cancer in the Sister Study. YM Park, NIEHS Postdoctoral Fellow, PI; DP Sandler Mentor. No direct funds to Sandler; funds to Sister Study support contractor for assays and data management. FY 2017-2018 (12 months).
- NIH Office of Research on Women's Health. FY 2019 – FY 2020. Toxic metals and breast cancer risk. Co-Investigator (Alexandra White, PI), \$230,000.
- NIH Office of Dietary Supplements Research Scholars Award. FY2020. Vitamin D and breast cancer in African-American women: A prospective cohort study. Katie M. O'Brien, Staff Scientist, PI; DP Sandler Mentor. \$100,000.
- NIH R01 (ES031127). Neurological Effects of Environmental Styrene and BTEX Exposure in a Gulf of Mexico Cohort (Co-I). Lawrence Engel, University of North Carolina P.I. No direct funds to Sandler; in kind enhancements to GuLF Study data (new geographic exposure measures for linkage to study outcomes). 2020-2024.
- NIH R01. Breast cancer adductomics in the Sister Study cohort (Co-I). William Funk, Northwestern University, PI. No direct funds to Sandler; funds to Sister Study support contractor for sample handling and data management. FY 2021-2024.

### **Postdoctoral 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: Pharmacoepidemiologist Eli Lilly, Indianapolis, IN; formerly 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 - 2013; Environmental contributors to autoimmune diseases; stress, telomere length, and breast cancer; autoimmunity and breast cancer

Current Position: Staff Scientist, Epidemiology Branch, NIEHS (the Agricultural Health Study)

**Hazel Nichols, PhD**

2011- 2013; Hormones, reproductive history, and breast cancer

Current Position: Assistant Professor, Department of Epidemiology, University of North Carolina, Chapel Hill, NC.

**Christine Ekenga, PhD**

2011-2015; Exposure to oil-spill chemicals; chemical exposures and breast cancer risk

Current Position: Assistant Professor, Gangarosa Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, GA.

**Helen Meier, PhD.**

2015-16; Immune Aging in the Baltimore Longitudinal Study of Aging; Social determinants of health over the life course. Joint NIA, NIEHS post-doctoral fellowship located at NIEHS.

Current Position: Assistant Research Scientist. Institute for Social Research, University of Michigan, Ann Arbor, MI.

**Alexandra White, PhD**

2015-2018; Tobacco smoke, indoor air pollution, cadmium, and other environmental risk factors for breast cancer. **ASPO New Investigator Workshop Award 2017.**

Current Position: Stadtman Tenure Track Investigator, Epidemiology Branch, NIEHS.

**Yong-Moon (Mark) Park, MD, PhD**



2015-2020; Nutritional factors, metabolic syndrome, and breast cancer; environment and diabetes. ***Emerging Leaders in Nutrition Science Poster Competition Award, Nutrition 2017; Nutrition 2018. NIH FARE Award 2019. Top Trainee Poster Award, ASPO 2019.***  
Current Position: Assistant Professor, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AK.

**Srishti Shrestha, Ph.D.**

2016-2020; Health effects of pesticides – thyroid disorders in applicators and spouses, neurological effects. Transferred from Aging and Neuroepidemiology Group following departure of Honglei Chen.

Current Position: Assistant Professor, Department of Neurology, University of Mississippi School of Medicine, Jackson, MS.

**Kaitlyn (Gam) Lawrence, Ph.D.**

2018-date; Pulmonary function and other health outcomes in oil spill clean-up workers. ***Best oral presentation, NIEHS EB Science day 2019; NIH Matilda White Riley Behavioral and Social Sciences Honors 2021.***

**Emily Werder, Ph.D.**

2018-date. Neurological function and chemical exposures in oil spill clean-up workers. ***Best poster, NIEHS EB Science Day 2019. Science Communication Fellow 2021-2022; The Scientific Communication Network.***

**Mandy Goldberg, Ph.D.**

2019-date. Puberty, windows of susceptibility and breast cancer. ***Best Poster, NIEHS Science Day 2020. Top Ranked ASPO Abstract Award 2021.***

**Jennifer M.P. Woo, Ph.D.**

2020-date. Early life factors, life course stressors in relation to breast cancer and autoimmune diseases. ***NIH FARE Award 2022.***

**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 Dept. 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: Associate Professor, Epidemiology and Cancer Prevention and Control, University of Illinois, Chicago, IL

**Wiwan 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: Oncology Nurse Practitioner, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill

**Jill Lebov**

Ph.D. 2014, Epidemiology

University of North Carolina at Chapel Hill (UNC Advisor/co-mentor Lawrence Engel)

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

Current Position: Global Health Research Epidemiologist, Research Triangle Institute, Research Triangle Park, NC

**Kaitlyn Lawrence** (name changed from Kaitlyn B Gam in 2019)

Ph.D. 2018, Environmental Health

Tulane University (Tulane Advisor Maureen Lichtveld)

Lung Function in Oil Spill Clean-up Workers: Social, environmental, and oil spill contributors.

**Best Poster 2014 NIEHS Summer Internship Program, graduate level** (Preliminary analysis of lung function in relation to total hydrocarbon exposure during clean-up following the Deepwater Horizon oil spill disaster). **SER Student Workshop Travel Award 2017. Tulane 34 Award 2018. William R. Harley, ScD Award for Excellence in Environmental Health Research 2018 (Department of Global and Environmental Health Sciences, Tulane University).**

Current Position: Postdoctoral fellow, NIEHS

**Emily Werder**

Ph.D. 2018, Epidemiology

University of North Carolina (UNC Advisor/co-mentor Lawrence Engel)

Environmental Exposure to Styrene and Neurological Function in U.S. Gulf Coast Residents

Current Position: Postdoctoral fellow, NIEHS

**Kaitlin Kelly-Reif**

Ph.D. 2018, Epidemiology

University of North Carolina (UNC Advisor/co-mentor David Richardson)

Update of Mortality and Cancer Incidence in Czech Uranium Miners

Current Position: NIOSH, Cincinnati.

**Mark Guinter**

Ph.D. 2018, Nutrition

University of South Carolina (USC Advisor/co-mentor Susan Steck)

Estrogen-related Dietary Patterns and Breast Cancer Risk; Practicum mentor 2016-2017, Meal timing/frequency and obesity.

Current Position: Quantitative Scientist, Flatiron Health, New York, NY

**Nicole Niehoff**

Ph.D. 2019, Epidemiology

University of North Carolina, Chapel Hill (UNC advisor/co-mentor Marilee Gammon).

Single and Multipollutant Air Toxics in Association with Breast Cancer Risk and Telomere Length in the Sister Study. **ASPO New Investigators Workshop Award 2018.**

Current Position: Postdoctoral fellow, Epidemiology Branch NIEHS (Alexandra White, mentor).

**Jennifer M.P. Woo, Ph.D.**

PhD 2020, Epidemiology,

Joseph J. Zilber School of Public Health, University of Washington-Milwaukee School of Public Health (UWM advisor/co-mentor Helen Meier). Early life trauma and adversity, biologic pathways (telomere shortening and methylation) and breast cancer risk in the Sister Study.

**Outstanding Graduating Student, Student Excellence Awards, University of Wisconsin-Milwaukee, Milwaukee, WI**

**Dazhe (Kenny) Chen**

2020-date. PhD expected 2022, Epidemiology

University of North Carolina, Chapel Hill (UNC advisor/primary mentor Lawrence Engel).

Associations Between Spill-related Chemicals (Benzene, Toluene, Ethylbenzene, Xylene, n-Hexane, and Total Hydrocarbons) and Incident Heart Disease Among Oil Spill Workers.

**Hannah Jardel**

2021-date. PhD expected 2023, Epidemiology.

University of North Carolina, Chapel Hill (UNC advisor/primary mentor Lawrence Engel).

Incident diabetes risk following exposure to BTEX chemicals during the Deepwater Horizon oil spill clean-up.

**Other Pre-doctoral and Post-Baccalaureate Trainees**

**Martha Montgomery** (Post-baccalaureate Trainee and Technical IRTA)

2006-2008; Pesticides and chronic diseases in the Agricultural Health Study; diabetes, macular degeneration.

Current Position: EIS Officer, CDC. Ohio Department Of Public Health, Columbus, OH.

**Fang Fang** (NIH-Karolinska Institute (KI) joint program; doctoral student at KI)

2007-2009. Lead and other contributors to Amyotrophic Lateral Sclerosis - co-mentor with Freya Kamel, NIEHS and Weimin Ye, KI.

Current Position: Assistant Professor, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden.

**Cynthia Lin** (Post-baccalaureate Trainee)

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

Current Position: Doctoral student, University of North Carolina School of Public Health, Epidemiology

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

2011 – 2016; Etiology and prognosis in ALS – co-mentor, with Freya Kamel, NIEHS and Fang Fang and Weimin Ye, KI; PhD awarded June 2016.

Current Position: ORISE Fellow, Agency for Toxic Substances and Disease Registry, Division of Toxicology and Human Health Sciences, Environmental Health Surveillance Branch, CDC.

**Michael Hu, M.D.** (NIEHS Medical Student Research Fellowship 2019-2020). MD/MPH 2021, University of Miami, Miami, FL. Social vulnerability, health care access, and metabolic health in Gulf State residents.

Current Position: Joint residency in Medicine and Pediatrics. University of Illinois, Chicago, IL.

### **Jing Xu**

2019-2020. PhD 2021. Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China. Visiting Fellow; China Scholarship Council awardee. Ambient environmental exposures and breast cancer risk.

Current Position: Assistant Professor, Department of Epidemiology and Biostatistics, Institute of Basic Medical Sciences Chinese Academy of Medical Sciences, School of Basic Medicine Peking Union Medical College, Beijing, China

**Ameena Hester** (NIEHS Scholars Connect Student 2021-2022; Primary mentor Christine Parks). Undergraduate, University of North Carolina at Chapel Hill. Mortality and Morbidity in African American Farmers in the Agricultural Health Study and Eastern North Carolina.

### **Summer Fellows**

**John Beard** (Summer Student Fellow, Special Volunteer 2010-2015), Doctoral student University of North Carolina, Chapel Hill; Suicide and depression in the Agricultural Health Study; Military exposures in relation to ALS etiology and survival, primary mentor Freya Kamel.

Current position: EIS Officer, CDC/NIOSH, Cincinnati, OH.

**Nicole Niehoff** (Summer Student Fellow 2014; Special Volunteer/Guest Researcher 2016-2017); Department of Epidemiology, University of North Carolina at Chapel Hill). Childhood pesticide exposure and risk of breast cancer; childhood physical activity and risk of breast cancer

Current Position: Postdoctoral Fellow, NIEHS

**Craig McGowan** (Summer Student Fellow 2015, current volunteer, masters' advisee) Department of Biostatistics University of North Carolina (Masters expected 2016) Acute and chronic symptoms associated with use of dispersants during clean-up of the Gulf (of Mexico) Oil Spill. **Best Poster 2015 Summer Internship Program, graduate level.**

Current Position: ORISE Fellow, Applied Research and Modeling Team, Epidemiology and Prevention Branch, Influenza Division, National Center for Immunization and Respiratory Diseases, CDC, Atlanta Georgia

**Xian Zhang** (Summer Student Fellow 2015)

University of California at Davis (PhD 2019)

Hypertension in workers involved in clean-up after the Deepwater Horizon oil spill.

Current Position: Research Analyst, Division of Digestive Diseases, Department of Medicine, University of North Carolina Medical School, Chapel Hill, NC

**Rachel Nethery** (Summer Student Fellow 2016)

Department of Biostatistics, University of North Carolina at Chapel Hill (PhD 2017)

Residential neighborhood environmental and its impact on GuLF STUDY participants. **Best Poster 2016 Summer Internship Program, graduate level. American Statistical Association Travel Award (2017 Joint Statistical Meetings)**

Current Position: Postdoctoral Fellow, Department of Biostatistics, Harvard T.H. Chan School of Public Health

**Gieira Jones** (NIH Undergraduate Scholarship Program post-baccalaureate Fellow – summer 2016)

Health effects of oil spill exposures among Vietnamese participating in cleanup after the Deepwater Horizon Disaster.

Current Position: Doctoral Student Department of Epidemiology, University of North Carolina at Chapel Hill

**Shahar Shmuel** (Summer Student Fellow, 2016; Guest Researcher 2017)

Residential traffic exposure and breast cancer risk in the Sister Study.

Current Position: Doctoral Student, Department of Epidemiology, University of North Carolina, Chapel Hill, NC.

**Joshua Petimar** (Summer Student Fellow, 2016; Special volunteer 2017)

Department of Nutrition, Harvard University school of Public Health

Eating patterns and breast cancer risk in the Sister Study.

Current Position: Postdoctoral Fellow, Department of Epidemiology, Harvard T.H. Chan School of Public Health.

**John Murphy** (Summer Student Fellow 2018; Primary Mentor: Katie O'Brien, Staff Scientist) Department of Epidemiology, University of North Carolina at Chapel Hill. Severe Acne and Breast Cancer. **NIEHS Summer Internship Poster Session First Place (Graduate Student).**

**Carolyn Eberle** (Summer Student Fellow 2018; Primary Mentor: Alexandra White, Postdoctoral Fellow) Department of Epidemiology, University of North Carolina at Chapel Hill.

Use of hair dyes and other hair products in relation to breast cancer risk in black and white women.

**Yiyao (Lisa) Li** (Summer Student Fellow 2018; Primary Mentor: Kaitlyn Gam, Postdoctoral Fellow) Heat stress-related symptoms and pulmonary function among oil spill clean-up workers.

**Ji Hye Park** (Summer Student Fellow 2019) Department of Epidemiology, University of North Carolina at Chapel Hill. Depression and quality of life in breast cancer survivors.

**Hannah Jardel** (Summer Student Fellow 2019) Department of Epidemiology, University of North Carolina at Chapel Hill. Diabetes and metabolic dysfunction in oil spill response and clean-up workers.

**Jennifer Woo** (Summer Student Fellow 2019; dissertation committee member) Department of Epidemiology, University of Wisconsin, Milwaukee. Early life stressors, methylation in glucocorticoid pathway genes, and breast cancer risk.

Current position: Postdoctoral Fellow, Chronic Disease Group, NIEHS.

**Opal Patel** (Summer Student Fellow 2021; primary mentor Kaitlyn Lawrence) Doctoral student, Department of Epidemiology, University of North Carolina at Chapel Hill. 1)

Neighborhood disadvantage and immunological health outcomes. 2) Oil spill exposures and altered immune response. **First Place (graduate) NIEHS Summer Internship Poster Fair.**

**Sharonda Lovett, MPH** (Summer Student Fellow 2021; Co-mentor Katie O'Brien). University of South Florida. Associations between type and timing of gynecologic surgery and breast cancer risk. **Honorable mention (graduate) NIEHS Summer Internship Poster Fair.**

**Rina Yarosh** (Summer Student Fellow 2021; co-mentor Jennifer Woo). Doctoral student, Department of Epidemiology, University of North Carolina at Chapel Hill. Thyroid disease and treatment with radioactive iodine in relation to incident breast cancer in the Sister Study.

**Yilda Macias** (Summer Student Fellow 2021; Primary mentor Katie O'Brien). Doctoral Student, New Mexico State University, Las Cruces, NM. Vitamin D supplement use and COVID-19 incidence and severity in the Sister Study. **Second Place (graduate) NIEHS Summer Internship Poster Fair.**

### Invited Presentations

1979

Health consequences of nasopharyngeal radium exposure. Symposium on Biologic Effects of Ionizing Radiation, Bureau of Radiological Health, FDA, Rockville MD, Jun 6, 1979.

1982

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 and Communications Challenges. Clinical Research and 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.

2013

The GuLF STUDY: Design, challenges, and preliminary observations on the health of oil spill clean-up workers. 12<sup>th</sup> Annual Meeting of Environmental Health Scholars, Reston, VA, December 2013

2014

The GuLF STUDY: Design, challenges, and preliminary observations on the health of oil spill clean-up workers. Louisiana State University, School of Public Health, New Orleans, LA, Jan 2014.

The Sister Study: Environmental and genetic factors associated with breast cancer and other outcomes in a risk-enriched cohort. Herbert Irving Comprehensive Cancer Center Distinguished Seminar Series, Columbia University, New York, NY, Feb 2014

The GuLF STUDY: Epidemiology Department, Harvard University School of Public Health, Boston, MA, Apr 2014

2015

Health effects in oil spill clean-up workers participating in the Gulf Long-term Follow-up Study. All Hands Symposium: The Deepwater Horizon Oil Spill: Progress in the Last Five Years, 46<sup>th</sup> Annual Meeting of the Environmental Mutagenesis and Genomics Society, New Orleans, LA, Sep 2015.

2016

Respiratory symptoms, eye irritation, and potential dispersant exposure in the GuLF STUDY. 2016 Gulf of Mexico Oil Spill & ecosystem Science Conference, Tampa, FL, Feb 2015

The GuLF STUDY: Overview and early findings. Deepwater Horizon Research Consortium Meeting, Mobile, AL, Mar 2016.

The Sister Study: Opportunities for Research on Exposures During Early Life. Breast cancer and the Environment Research Program, Annual Meeting, Durham, NC, Dec 2016.

2017

Prospective studies of environment and health. Michigan State University, Lansing, MI, Sep 2017.

Lessons from the GuLF Study. *Preparing for a Rapid Response to Major Marine Oil Spills: A workshop on Research Needs to Protect the Health and Well Being of Communities.*

National Academies of Sciences, Engineering, & Medicine. Washington, D.C., Aug 2017.

2018

The GuLF Long-term Follow-up Study: Design and Early Findings. *Workshop on Human Health Considerations of Dispersant Use.* National Academies of Sciences, Engineering, & Medicine. New Orleans, LA, Jan 2018.

Current and future approaches for evaluating disease risk associated with lifetime exposures: Lessons from the Sister Study. Wellcome Genome Campus Conference on Longitudinal Studies, Hinxton, Cambridge, UK, May 2018.

Prospective studies of environment and health, Visiting Scholar Lecture Division of Cancer Epidemiology and Genetics, NCI, Gaithersburg, MD, Oct 2018

2019

The NIH tenure process. DIR tenure track retreat, Research Triangle Park, NC, Nov 2019.

American Cancer Society Workshop on Environment and Cancer, Atlanta, GA, Nov 2019.

2020

Lessons learned from a decade of GuLF Study research. National Academy of Sciences Gulf Research Program Health and Resilience Board. Virtual meeting June 2020.

The Sister Study as a platform for women's environmental health research. Science Spotlight Session. NIH Coordinating Committee on Research on Women's Health. Virtual meeting June 2020.

### Research Papers in Peer-reviewed Journals

ORCID ID: 0000-0002-6776-0018; Web of Science Researcher ID: E-5110-2019

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.
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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. PMID: 10192651.
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. PMID: 10230834.
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. PMID: 10555766. PMCID: PMC2374298.
60. Kamel F, Umbach DM, Munsat TL, Shefner JM, **Sandler DP**. Association of cigarette smoking with amyotrophic lateral sclerosis. *Neuroepidemiology* 1999; 18:194-202. PMID: 10364720.
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; 20:749-762. PMID: 9834974.
62. Cooper GS, **Sandler DP**, Bohlig M. Active and passive smoking in relation to age at natural menopause. *Epidemiology* 1999; 10:771-773. PMID: 10535795.
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; 151:620-623. PMID: 10733044.
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465. McWhorter, KL, Park YM, Gaston SA, Fang KG, **Sandler DP**, Jackson CL. Multiple sleep dimensions and type 2 diabetes risk among women in the Sister Study: Differences by race/ethnicity. *BMJ Open Diabetes Res & Care* 2019; 7:e000652. DOI: 10.1136/bmjdr-2019-000652. E-pub 20 Sep 2019. PMID: 31641520. PMCID: PMC6777408.
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