

CURRICULUM VITAE

ANDREW F. OLSHAN

September 14, 2016

DATE & PLACE OF BIRTH: December 14, 1955; Melrose, Massachusetts

BUSINESS ADDRESS: Department of Epidemiology
Gillings School of Global Public Health
McGavran-Greenberg Hall, CB #7400
University of North Carolina
Chapel Hill, NC 27599-7400
(919) 966-7424
andy_olshan@unc.edu

EDUCATION:

1973-78	Arizona State University Tempe, Arizona	B.A. Anthropology, August 12, 1978
1981-82	University of Washington Seattle, Washington	M.S. Epidemiology, August 20, 1982
1982-87	University of Washington Seattle, Washington	Ph.D. Epidemiology, December 17, 1987
1987-89	University of British Columbia Vancouver, British Columbia	Postdoctoral Fellow Medical Genetics

APPOINTMENTS AND POSITIONS:

1981-88	Research Associate Division of Public Health Sciences The Fred Hutchinson Cancer Center Seattle, Washington
1989-91	Assistant Professor Department of Clinical Epidemiology and Preventive Medicine School of Medicine University of Pittsburgh
1990-91	Assistant Professor Department of Human Genetics

	Graduate School of Public Health University of Pittsburgh
1989-91	Affiliate Member Pittsburgh Cancer Institute
1991-1996	Assistant Professor Department of Epidemiology School of Public Health University of North Carolina
1996- 2001	Associate Professor Department of Epidemiology School of Public Health University of North Carolina
1992-Present	Fellow, Carolina Population Center University of North Carolina
1992-Present	Member, Lineberger Comprehensive Cancer Center University of North Carolina
1994- 1997	Research Assistant Professor Department of Surgery School of Medicine University of North Carolina
1998	Visiting Scientist Occupational Epidemiology Branch National Cancer Institute
1998- Present	Leader, Cancer Epidemiology Program Lineberger Comprehensive Cancer Center University of North Carolina
2000-Present	Member, UNC Center for Environmental Health and Susceptibility
2000-Present	Internal Advisory Committee, UNC Center for Environmental Health and Susceptibility
2001- Present	Professor Department of Epidemiology School of Public Health University of North Carolina
2001- Present	Professor Department of Otolaryngology/Head and Neck Surgery School of Medicine University of North Carolina

2006-Present	Chair Department of Epidemiology School of Public Health University of North Carolina, Chapel Hill
2009-2012	Associate Director for Population Sciences (Interim) UNC Lineberger Comprehensive Cancer Center
2012-Present	Associate Director for Population Sciences UNC Lineberger Comprehensive Cancer Center
2014-Present	Barbara Sorenson Hulka Distinguished Professor of Cancer Epidemiology

HONORS AND AWARDS:

1975	One of three finalists for Juan Comas Award for the best student paper presented at the 44th Annual Meeting of the American Association of Physical Anthropologists, Denver.
1985	Invited participant, Society for Epidemiologic Research Student Workshop, Chapel Hill, North Carolina.
1999	Delta Omega Public Health Honor Society.

ACTIVITIES:

International/ National/ Community Committees

1984-1987	Chairman, Case-Control Study of Wilms' Tumor, Childrens Cancer Study Group, Pediatric Oncology Group.
1990-1996	Chairman, Case-Control Study of Neuroblastoma, Childrens Cancer Study Group, Pediatric Oncology Group.
1989-1990	Member, NCI Working Group, Epidemiology of Multiple Myeloma and Black/White Risk Factors.
1991-1993	Chairman, Working Group, International Commission for Protection Against Environmental Mutagens and Carcinogens, Genetic Effects of Cyclosporin A.
1991-1992	Co-Chairman, International Conference on Male-Mediated Developmental Toxicity, Pittsburgh, PA, September 16-19, 1992.
1994	Member, State of North Carolina Advisory Committee on Birth Defects Surveillance.

1994	Member, Organizing Committee, Preventing Birth Defects in North Carolina: Making Folic Acid Work. A Statewide Conference and Workshop on Preventing Neural Tube Defects. May 19, 1995, Raleigh, NC.
1995- 1996	Member, Committee to Study the Feasibility of, and Need for, Epidemiologic Studies of Adverse Reproductive Outcomes in Families of Military Personnel Present at Atmospheric Tests of Nuclear Weapons. Institute of Medicine, National Academy of Sciences.
1992, 1996,1998	Member, Committees to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides. Institute of Medicine, National Academy of Sciences.
1999	Member, External Peer Review Committee, Environmental Protection Agency, Toxicological Review for Cadmium and Compounds.
1999- 2000	Member, Committee to Review the Evidence Regarding Link Between Exposure Agent Orange and Diabetes. Institute of Medicine, National Academy of Sciences.
2000-2004	Member, Epidemiology Steering Committee, Children's Oncology Group.
2000-2003	External Advisory Committee, University of Washington Superfund Basic Research Program, "Effects-Related Biomarkers of Toxic Exposures", H. Checkoway, PI, P42ES4696ZES1.
2000- 2001	Chair, Meeting Organizing Committee, Lineberger Cancer Center/NIEHSConference: Gene-Environment Interaction and Cancer Risk: The Role of DNA Repair. March 12-13, 2001.
2000- 2001	Member, Organizing Committee, Second International Conference on Male-Mediated Developmental Toxicity, June, 2001.
2001	Expert Panel On Reproductive and Developmental Toxicity of 1-Bromopropane and 2-Bromopropane. Center for the Evaluation of Risks to Human Reproduction. National Toxicology Program.
2001	Member, Gene-Environment Interaction Working Group. Longitudinal Cohort Study of Environmental Effects on Child Health and Development.
2002	Member, External Advisory Committee, Oral Cancer Center, University of Pittsburgh.
2003-2010	Member, External Advisory Board, MD Anderson Cancer Center, Head and Neck Cancer SPORE.

2004-2010	Co-Chair, Epidemiology Steering Committee, Children's Oncology Group.
2004-2009	Member, Board of Scientific Counselors, Subcommittee-1, National Cancer Institute.
2004-2008	Member, Scientific Committee, International Society of Paediatric Oncology
2005	Expert Panel Reproductive and Developmental Toxicity of Styrene. Center for the Evaluation of Risks to Human Reproduction. National Toxicology Program.
2005	Member, Informal Population Sciences Biorepository Advisory Group, National Cancer Institute.
2005-2009	Member, External Advisory Board, Duke University Brain Tumor SPORE.
2005-Present	Member, External Advisory Board, University of Pittsburgh Head and Neck Cancer SPORE.
2006-2009	Member, Committee on Contaminated Drinking Water at Camp Lejeune. National Research Council.
2009	Member, Search Committee, Associate Director, Epidemiology and Genetics Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute.
2009	Member, Search Committee, Director, Environmental Public Health Division, National Health and Environmental Effects Research Laboratory, U.S. Environmental Protection Agency.
2009-2012	Member at Large, Board, Society for Epidemiologic Research
2010	Ad-Hoc Reviewer, National Toxicology Program, Board of Scientific Counselors Meeting
2010-2011	Vice-Chair, Committee to Review the Draft IRIS Assessment of Formaldehyde, National Research Council
2010-Present	External Advisory Committee, Translational Epidemiology Research Training program, University of Minnesota.
2012	MURDOCK Study Epidemiology Advisory Board, Duke University
2013-Present	External Advisory Committee, Cancer T32 Training Grant, Columbia University

2013-Present	External Advisory Committee, Vanderbilt Training Program in Molecular and Genetic Epidemiology of Cancer
2013 2014-	Ad-Hoc Member, NIEHS Tenure Review Committee Member, Qualification Review Board, Editor-In-Chief, <i>Environmental Health Perspectives</i> .
2014-	External Advisory Committee, Ohio State University Comprehensive Cancer Center.
2015	Chair, Peer Review Panel for the Draft Report on Carcinogens Monograph on Selected Viruses. National Toxicology Program, December 17, 2015.

University Committees

1991-1993	Doctoral Program Committee Department of Epidemiology
1993	Admissions Committee Department of Epidemiology
1993	Information Systems Committee Department of Epidemiology
1993- 1998	Advisor, Department Newsletter Department of Epidemiology
1994	Member, Task Group on Tenure and Promotion Department of Epidemiology
1994-1996	Curriculum Committee Department of Epidemiology
1996- 2006	Graduate Studies Committee Department of Epidemiology
1997-2006	Chair, Curriculum Subcommittee Department of Epidemiology
1998-1999	Chair, Cancer Faculty Search Committee Department of Epidemiology
1998	Member, Health Sciences Library Committee School of Public Health
1998-Present	Program Head, Cancer Epidemiology Department of Epidemiology

1999-2001	Chair, Cancer Faculty Search Committee Department of Epidemiology
1999,2000	Southard Award Committee School of Public Health
1999	Delta Omega Award Committee School of Public Health
2000	Greenberg Award Committee School of Public Health
2002-2006	Space Committee School of Public Health
2002-2003	Appointment, Promotion, and Tenure Committee School of Public Health
2003-2005	Chair, Appointment, Promotion, and Tenure Committee School of Public Health
2005-2006	Chair, Department of Biostatistics Chair Search Committee School of Public Health
2006-	Member, Sheps Center Policy Board
2007	Member, Center for Women's Health Research Director Search Committee
2007	Member, ad hoc committee to review Center Director (H. Shelton Earp)
2008	Chair, UNC Lineberger Comprehensive Cancer Center Associate Director Search Committee
2009-	Leader, University Cancer Research Fund Population Sciences Theme Team
2009-	Member, Research Computing Coordinating Committee, University of North Carolina
2009-2013	CTSA/NC TraCS Institute Translational Research Advisory Board
2010-	CTSA/NC TraCS Institute Education Core Interdisciplinary Advisory Committee
2011-	UNC Health Informatics Taskforce
2012-	UNC Health Informatics Program Steering Committee

Teaching

- 1981-86 EPI 513 Epidemiologic Methods, University of Washington (Teaching Assistant)
1989-90 Clinical Epidemiology, School of Medicine, University of Pittsburgh (Instructor)
- 1994-1997 EPID268, Theory and Quantitative Methods in Epidemiology (Co-Instructor)
- 1992- EPID 851 Reproductive and Perinatal Epidemiology (Lead Instructor, 1993-2005, 2014)
- 2006- EPID775 Advanced Cancer Epidemiology
- 2007-2009 EPID690 Integrating Biomarkers in Population-based Research (Lead Instructor)

Theses and Dissertations

Masters Theses (Major Advisor)

- 1993 Gwenevere C. McIntosh: Paternal Age and the Risk of Birth Defects.
- 1993 Susan E. Carozza: Maternal Exposure to N-nitrosatable Drugs as a Risk Factor for Childhood Brain Tumors.
- 1994 External Examiner, McGill University, Department of Epidemiology and Biostatistics: C. Sharpe: Risk Factors for Wilms' tumor: analysis of a case-control study.
- 1995 Michael McMahon: The Risk of Vaginal Birth After Previous Cesarean.
- 1998 Qinghong Yang: Parental Smoking and Alcohol Consumption and Risk of Neuroblastoma.
- 1998 Michael Cook: Prenatal Medication Use and the Risk of Childhood Cancer: A Review of Epidemiologic Studies.
- 2000 Juliet Hatcher: Multiple Myeloma and Diagnostic Radiation Among Blacks and Whites in the United States.
- 2001 Tara Patton: Parental Exposure to Medical Radiation and Neuroblastoma in Offspring.
- 2001 Mia Gaudet: Diet, Polymorphisms of GSTM1 and GSTT1 and Incidence of Head and Neck Cancer.
- 2003 Katrina Trivers: Demographic and Lifestyle Predictors of Survival in Patients with Esophageal or Gastric Cancers.
- 2004 Elizabeth Bluhm: Maternal Use of Recreational Drugs and Neuroblastoma in Offspring.

- 2004 Erin McCall: Maternal Hair Dye Use and Neuroblastoma.
- 2004 Muge Calikoglu: Polymorphisms of Methylenetetrahydrofolate reductase (MTHFR), Preconceptional Multivitamin Use and Risk of Preterm delivery
- 2005 Stephanie Saddlemire: Breastfeeding and Wilms tumor.
- 2007 Jonathan George: XRCC1 polymorphisms, dietary folate intake, and risk of squamous cell carcinoma of the head and neck.
- 2008 Jennifer Slickers: Maternal body mass index and lifestyle exposures affect the risk of bilateral renal agenesis or hypoplasia.
- 2008 Brian Feldman: Maternal perinatal vitamin and mineral supplementation and the risk of Wilms in offspring.
- 2008 Ruchika Goel: Maternal exposure to medical radiation and Wilms tumor in the offspring: A report from the Children's Oncology Group.
- 2015 Determinants of contagious mastitis in organic and conventional dairy herds in North Carolina.

Doctoral Dissertations (Major Academic Advisor)

- 1994 Patricia G. Schnitzer: Paternal Occupation and the Risk of Birth Defects in Offspring.
- 1996 Susan Lieff: Maternal Cigarette Smoking During Pregnancy and Risk of Oral Facial Clefts in Newborns.
- 1998 Samuel Arbes: Factors Contributing to the Racial Differences in Survival from Oral Cancer.
- 1999 Jane Schroeder: Epidemiology of t(14;18) non-Hodgkin's lymphoma.
- 1999 Julie Daniels: Occupational and Residential Pesticide Exposure and Risk of Neuroblastoma.
- 1999 Anneclaire De Roos: Parental Occupational Exposures and the Incidence of Neuroblastoma in Offspring.
- 2001 Michael Cook: Maternal and Paternal Medication Use and Neuroblastoma in the Offspring.
- 2001 Garth Rauscher: Family Histories of Cancer and Joint Contribution with Exposures in the Incidence of Acute Leukemia in Adults
- 2001 Stacy Geisler: Survival and Squamous Cell Carcinoma of the Head and Neck.

- 2002 Edwin van Wijngaarden: Parental Occupational Exposures and Childhood Brain Tumors.
- 2003 Stephanie Mulherin Engel: Genetic Variation in Pro- and Anti-Inflammatory Cytokines and Risk of Preterm Birth and Small-for-Gestational Age.
- 2005 Suzanne Gilboa: Seven County Study of Air Quality and Birth Defects, Texas, 1997-2000.
- 2006 Martha Felini: Reproductive Factors and DNA Repair Polymorphisms XRCC1 and MGMT Associated with Adult-Onset Gliomas.
- 2009 Reem Hasan: Vaginal bleeding in early pregnancy: patterns, predictors, and association with miscarriage.
- 2009 Jessica Lazenby: Preconception and Prenatal Maternal Caffeine Consumption and Diagnosis of Wilms Tumor in Offspring: Results from a North American Case-Control Study.
- 2009 Shannon Laughlin: Elimination and Size Reduction of Fibroids During Pregnancy and Postpartum Uterine Remodeling.
- 2010 Sharon Myers: Pesticide Use and Uterine Leiomyoma Prevalence Among Farm Women: An Analysis of the Agricultural Health Study with Assessment of Outcome Misclassification.
- 2011 Tania Desrosiers: Maternal Occupational Exposure to Organic Solvents During Pregnancy and Selected Congenital Anomalies Among Offspring.
- 2011 Anne Hakenewerth: Joint Effects of Alcohol Consumption and Polymorphisms in Alcohol and Oxidative Stress Metabolism Genes on Risk and Survival from Head and Neck Cancer.
- 2012 Kimon Divaris: Exploring the Genetic Basis of Chronic Periodontitis: A Genome-Wide Approach.
- 2013 Annah Wyss: Single Nucleotide Polymorphisms in Nucleotide Excision Repair Genes and Head and Neck Cancer Risk and Outcomes.
- 2013 Jeannette Stingone: Maternal Exposure to Criteria Air Pollutants During Early Pregnancy and Congenital Heart Defects in Offspring.
- 2013 Nicholas Taylor: Common Genetic Variation in Cell Cycle Regulatory Genes and Etiology of Intrinsic Breast Cancer Subtype: A Candidate Gene Approach.
- 2014 Leila Family: Associations Between Genetic polymorphisms in DNA bypass polymerases and base excision repair genes with the risk of breast cancer.

- 2016 Saira Khan: Diabetes and Prostate Cancer Aggressiveness at Diagnosis and Progression in White Americans and Black Americans from the North Carolina-Louisiana Prostate Cancer project (PCaP).
- 2016 Angela Liu Mazul: Single Nucleotide Polymorphisms in Vitamin A, Folate and Choline Related Genes and Interaction with Maternal Vitamin Intake and Neuroblastoma.

External Dissertation Reader

- 2003 Kimberly Perez: Urogenital and Reproductive Outcomes in Men Prenatally Exposed to Diethylstilbesterol. Department of Social and Preventive Medicine. State University of New York at Buffalo.

Journal Refereeing

American Journal of Epidemiology
 American Journal of Industrial Medicine
 American Journal of Obstetrics and Gynecology
 Annals of Oncology
 Biomarkers
 BMC Cancer
 BMC Medical Research Methodology
 British Journal of Cancer
 Cancer
 Cancer Causes & Control
 Cancer Epidemiology, Prevention, & Biomarkers
 Cancer Letters
 Cancer Research
 Cleft Palate-Craniofacial Journal
 Clinical Cancer Research
 Pharmacoepidemiology and Drug Safety
 Epidemiology
 The European Journal of Cancer
 European Journal of Oral Sciences
 FASEB
 Fertility and Sterility
 Genetic Epidemiology
 Head & Neck
 International Journal of Cancer
 International Journal of Epidemiology
 Journal of Andrology
 Journal of the National Cancer Institute
 Journal of Clinical Oncology
 Journal of Pediatrics
 Medical and Pediatric Oncology
 Nutrition and Cancer
 Oral Diseases
 Paediatric & Perinatal Epidemiology

Pediatric Blood & Cancer
Pediatric Hematology and Oncology
Pharmacogenetics
Reproductive Toxicology
Teratology
Xenobiotica

Editorial

Editorial Board, Cancer Causes and Control, 2003-
Associate Editor, American Journal of Epidemiology, 2004-2014
Associate Editor, Cancer Research, 2004-2010
Associate Editor, International Journal of Molecular Epidemiology and Genetics, 2009-
Editorial Board, Cancer Medicine, 2012-
Senior Editorial Board, Epidemiology, 2013-
Editor-in Chief, Current Epidemiology Reports, 2013-

Other Reviewing

2002: Institute of Medicine, National Academy of Sciences: "Veterans and Agent Orange. Herbicide/Dioxin Exposure and Acute Myelogenous Leukemia in the Children of Vietnam Veterans. National Academy Press, 2002.

2002: Institute of Medicine, National Academy of Sciences: "A Literature Review of Pesticides and Solvents. Committee on Gulf War and Health. National Academy Press, 2003.
2010: Centers for Disease Control and Prevention: "The Health Consequences of Smoking and Involuntary Exposure to Tobacco Smoke: An Update." Chapter on "Tobacco Exposure and Congenital Defects".

2013: Chapter Reviewer, U.S. Department of Health and Human Services. The Health Consequences of Smoking —50 Years of Progress: A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014.

Evaluation of Faculty for Promotion

Duke University
Emory University
Fred Hutchinson Cancer Research Center
Georgetown University
Harvard University
Indian Statistical Institute
John Hopkins University
MD Anderson Cancer Center
National Institute of Environmental Health Sciences
Stanford University
State University of New York, Buffalo

Tufts University
University of Alabama, Birmingham
University of British Columbia
University of California, Berkeley
University of California, Los Angeles
University of Michigan
University of Minnesota
University of Pennsylvania
University of Pittsburgh
University of Rochester
University of South Carolina
University of Utah

Grant and Program Review

1993-1996 National Cancer Institute of Canada Review Committee, Standing Member

1994-1996 National Cancer Institute, Ad-Hoc Review.

1995 National Institute of Environmental Health Sciences, Center Grant Site Visit.

1997 National Institute of Environmental Health Sciences, Chair, R03 Special Review Committee.

1999 Grant review committee, National Cancer Institute of Canada RFP, Cancer Etiologic Research, Toronto, September 13, 1999.

2000 National Institutes of Health, Epidemiology and Disease Control-2 (EDC-2), Special Emphasis Panel, ZRG1 (03), Chair, April 7, 2000.

2000 Site Visit Team Member, Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development, December 4-6, 2000.

1997- 2001 National Institutes of Health, Epidemiology and Disease Control-2 (EDC-2) Study Section, Regular Member.

2002 Epidemiology Study Section Committee, Tobacco-Related Disease Research Program, May 18-19, 2002.

2003 National Institutes of Health, SNEM-5 Study Section.

2003 National Institutes of Health, RFA: "Long Term Cancer Survivors" Review Committee.

2004 National Cancer Institute, Program Project: "New Approaches to the Biology of MDS". MD Anderson Cancer Center, Initial Review Group.

- 2004 National Cancer Institute, Program Project: "Childhood Brain Tumors: Biologic and Environmental Risks". University of California, Berkeley, Initial Review Group.
- 2007 CDC Risk Factors for Birth Defects Special Emphasis Panel.
- 2008- Alex's Lemonade Stand Foundation for Childhood Cancer.
- 2008 Children with Leukaemia Foundation.
- 2008 Site Visit Team Member, NICHD, Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development, September 24-26, 2008.
- 2010 Site Visit Team Member, NCI, New Mexico Cancer Center, February 25, 2010.
- 2011 Ad Hoc Member, NCI-F Review Subcommittee on Manpower and Training, February 22-23, 2011
- 2011 Ad Hoc Member, NIH, Special Emphasis Panel, ZRG1 PSE-D (03)
- 2012 Site Visit Team Member, NCI, City of Hope Cancer Center, May 22, 2012
- 2013 Site Visit Team Member, NCI, Mayo Clinic Cancer Center, December 3, 2013

PROFESSIONAL ORGANIZATIONS

- 1984- Present Society for Epidemiologic Research
- 1986- Present Teratology Society
- 1988- Present International Society of Pediatric Oncology
- 2002- Present International Society for Environmental Epidemiology
- 2003- Present American Association for Cancer Research
- 2005- Present Society for Pediatric and Perinatal Epidemiology
- 2009- 2014 American Epidemiological Society
- 2013- Present American Society of Preventive Oncology

GRANT SUPPORT:

(Total Costs Indicated)

- 1984-1985 Institutional Cancer Grant IN-26Y from the American Cancer Society. University of Washington, Principal Investigator (Graduate Student Research).
- 1984-1985 Training Grant, National Cancer Institute, Cancer Epidemiology and Biostatistics.

- 1984-1986 Co-Investigator: A Case-Control Study of Risk Factors for Wilms' Tumor. Research Grant from the March of Dimes Birth Defects Foundation. (N. Breslow, Principal Investigator).
- 1986 Predoctoral Stipend, Charles A. Dana Foundation Grant for Program in Genetics and Environmental Health (A.G. Motulsky, Director).
- 1986-1988 Co-Investigator: Paternal Occupation and Birth Defects in Offspring. Research Grant from the March of Dimes Birth Defects Foundation. (P.A. Baird, Principal Investigator).
- 1986-1988 Co-Investigator: Paternal Occupation and Birth Defects in Offspring. Research Grant from the B.C. Health Care Research Foundation. (P.A. Baird, Principal Investigator).
- 1991 Principal Investigator: An Ecogenetic Study of Head and Neck Cancer, Biomedical Research Support Grant, School of Medicine, University of Pittsburgh.
- 1991-1997 Principal Investigator: A Case-Control Study of Risk Factors for Neuroblastoma, R01 CA 57004, N.I.H.
- 1992-1993 Co-Principal Investigator: The Role of Diet in the Etiology of Head and Neck Cancer. Institute of Nutrition Grant, University of North Carolina.
- 1992 Co-Principal Investigator: International Conference on Male-Mediated Developmental Toxicity, CA 58438, N.I.H.
- 1993-1994 Principal Investigator: Paternal Occupation and Risk of Birth Defects in Offspring. Research Grant from the March of Dimes Birth Defects Foundation.
- 1993-1998 Principal Investigator: Carcinogen Metabolizing Enzymes and Head and Neck Cancer, R01 CA61188, N.I.H.
- 1993-1996 Co-Investigator: Study of Multiple Myeloma Among Workers Exposed to Ionizing Radiation and Other Physical and Chemical Agents. Centers for Disease Control. (S. Wing, Principal Investigator).
- 1994-1995 Principal Investigator: The Role of Human Papillomavirus in the Etiology of Head and Neck Cancer: A Molecular Epidemiology Study. Lineberger Comprehensive Cancer Center, Cancer Prevention and Control and Cancer Epidemiology Research Award, University of North Carolina.
- 1996-1998 Principal Investigator: Epidemiology of t(14;18) in Non-Hodgkin's Lymphoma R03CA71617, N.I.H.
- 1992-1998 Co-Investigator: Research to Advance Environmental Epidemiology: Improving the Use of Human Data in Risk Assessment. CR820076, U.S. EPA. (D. Savitz, Principal Investigator).

- 1997-1998 Principal Investigator: A Case Control Study of Risk Factors for Wilms Tumor. R55 CA75385, Shannon Award, N.I.H.
- 1997-1998 Co-Investigator: Epidemiology of Clubfoot. R01HD28779, N.I.H. (B. Alderman, Principal Investigator).
- 1997-2002 Co-Investigator: Epidemiology of Down Syndrome and Down Syndrome-Leukemia. R01CA75169, N.I.H., (J. Ross, Principal Investigator).
- 1998-2004 Principal Investigator: A Case Control Study of Risk Factors for Wilms Tumor. R01 CA75385-01, N.I.H.
- 1999-2000 Co-Principal Investigator: A Multifactorial Study of Survival in Head and Neck Cancer. Oral & Maxillofacial Surgery Foundation.
- 1999-2015 Co-investigator. Cancer Center Core Support Grant – Program Leaders Cancer Center Core Support Grant – Rapid Case Ascertainment Core P30-CA1601866-30 (H. Earp, Principal Investigator).
- 2001-2011 Principal Investigator: Training Grant in Cancer Epidemiology. 2-T32-CA09330-21-26, N.I.H.
- 2000-2001 Principal Investigator: The Role of Folic Acid and Methylenetetrahydrofolate Reductase (MTHFR) Polymorphisms in Preterm Delivery in North Carolina. Institute of Nutrition, University of North Carolina.
- 2001-2010 Co-Investigator (Core Director, Developmental Susceptibility Research Core): UNC-CH Center for Environmental Health and Susceptibility. National Institute of Environmental Health Science, (J. Swenberg, Principal Investigator).
- 2001-2008 Principal Investigator: Gene-Environment Interaction in Head and Neck Cancer R01CA90731-01, NIH.
- 2001-2002 Principal Investigator: International Conference on Male Mediated Developmental Toxicity. 1-R13-HD/ES40801-01, NIH.
- 2001-2006 Principal Investigator: Drinking Water Disinfection By-Products and Male Reproductive Health: Semen Quality and Sperm Biomarkers. R-82932701-0 (Cooperative Agreement), US Environmental Protection Agency, \$500,000.
- 2003-2008 Co-Investigator (K. North, PI): Gene-by-smoking interaction and risk of atherosclerosis. NIH.
- 2006-2008 Co-Investigator (B. Entwisle, PI): Incorporating a Biomedical Perspective in Population-Based Research. R25 HD053765, N.I.H.
- 2007-2012 Principal Investigator: Quality of Life Among African-American Head and Neck Cancer Survivors. Lance Armstrong Foundation.

- 2007-2011 Co-Investigator (B. Entwisle, PI): Study Centers for the National Children's Study. HHSN267200700049C. NICHD.
- 2002- 2013 Principal Investigator: North Carolina Center for Birth Defects Research and Prevention. U50/CCU422096-01 (Cooperative Agreement) Centers for Disease Control.
- 2008-2013 Principal Investigator: Genetic Susceptibility Factors in the Etiology of Neuroblastoma. 1-R01-CA132887-01. NCI.
- 2008-2012 Co-Principal Investigator (A.M. Siega-Riz, PI): Training Program in Reproductive, Perinatal, and Pediatric Epidemiology. 5-T32-HD052468-02, NICHD.
- 2010-2013 Co-Investigator (R. Fry, PI): In utero to arsenic, links to epigenetic variation and disease. R01-ES019315, NIEHS.
- 2011-2013 Co-Investigator (A. Herring, PI): Bayesian Methods for High-Dimensional Epidemiologic Data. R01-ES020619, NIEHS.
- 2013-2016 Co-Principal Investigator (C. Ambrosone, PI): Epidemiology of Breast Cancer Subtypes in African American Women: A Consortium. P01CA151135, NCI.
- 2013- 2018 Principal Investigator: North Carolina Birth Defects Study To Evaluate Pregnancy Exposures (NC BDSTEPS). 1U01DD001036-01. (Cooperative Agreement) Centers for Disease Control.

PUBLICATIONS:

Book

Male-Mediated Developmental Toxicity, Editors: **AF Olshan** and DR Mattison, New York Plenum Press, 406 pp, 1994.

Epidemiology, Pathogenesis, and Prevention of Head and Neck Cancer. Editor: **AF Olshan**, Springer-Verlag, 2010.

Chapters and Other Publications

Olshan AF: Familial and Genetic Associations. In: Epidemiology and Biology of Multiple Myeloma, Editors: M. Potter and G.I. Ostrom, Berlin:Springer-Verlag, pp. 31-39, 1991.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1994.

Herrinton LJ, Weiss NS, **Olshan AF**. The Epidemiology of Multiple Myeloma. In: Myeloma, Editors: Bergsagel D, Kyle RA, Malpas JS, Oxford University Press, 1994.

Olshan AF and P. Schnitzer: Paternal Occupation and Birth Defects.

In: Male-Mediated Developmental Toxicity, Editors: **AF Olshan** and DR Mattison, Plenum Press, 1994.

Herrinton LJ, Weiss NS, Koepsell TD, **Olshan AF**. Multiple Myeloma. In: Cancer Epidemiology and Prevention, Editors: D. Schottenfeld and JF Fraumeni, Oxford University Press, pp. 946-970, 1996.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1996.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1998.

Goodman MT, Gurney JG, Smith MA, **Olshan AF**. Sympathetic nervous system tumors. Chapter IV. In: Ries, LAG, Smith MA, Gurney JG, Linet M, Tamra T, Young JL, Bunin GR (eds). Cancer Incidence and Survival among Children and Adolescents: United States SEER Program 1975-1995, National Cancer Institute, SEER Program. NIH Pub. No. 00-4649. Bethesda, MD 1999.

Bernstein L, Linet M, Smith MA, **Olshan AF**. Renal Tumors. Chapter VI. In: Ries, LAG, Smith MA, Gurney JG, Linet M, Tamra T, Young JL, Bunin GR (eds). Cancer Incidence and Survival among Children and Adolescents: United States SEER Program 1975-1995, National Cancer Institute, SEER Program. NIH Pub. No. 00-4649. Bethesda, MD 1999.

Olshan AF, Anderson L, Roman E, Fear N, Wolff M, Whyatt R, Vu V, Diwan BA, Potischman N. Workshop to Identify Critical Windows of Exposure for Children's Health: Cancer Work Group Summary. Environ Health Perspect, 108 (Suppl 3):595-597, 2000.

Olshan AF and Bunin GR: Epidemiology of Neuroblastoma. In: Neuroblastoma. Brodeur GM, Sawada T, Tsuchida Y, Voute PA (Eds). Elsevier, Amsterdam, pp 33-39, 2000.

Olshan AF. Pesticides and Childhood Cancer: A Review and Perspective. Children's Environmental Health: What Role for the Federal Government? Congressional Research Service, 107-62, 2002.

Olshan AF and van Wijngaarden E : Paternal Occupation and Childhood Cancer.

In: Advances in Male Mediated Developmental Toxicity. Robaire B, Hales BF (Eds.) Plenum Press, 147-161, 2003.

Ward EM, Schulte, PA, Bayard S, Blair, A, Brandt-Rauf P, Butler MA, Dankovic D, Hubbs AF, Jones C, Karstadt M, Kedderis, GL, Melnick R, Redlich CA, Rothman N, Savage RE, Sprinker M, Toraason M, Weston A, (**Olshan AF**, Stewart P, Zahm SH, Contributors). Priorities for Development of Research Methods in Occupational Cancer. Environmental Health Perspectives, 111:1-12, 2003.

Boekelheide K, Darney SP, Daston GP, David RM, Luderer U, **Olshan AF**, Sanderson WT, Willhite CC, Woskie S. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of 1-bromopropane. *Reproductive Toxicology*, 18:157-188, 2004.

Boekelheide K, Darney SP, Daston GP, David RM, Luderer U, **Olshan AF**, Sanderson WT, Willhite CC, Woskie S. NTP Center for the Evaluation of Risks to Human Reproduction Bromopropanes Expert Panel. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of 2-bromopropane. *Reproductive Toxicology*, 18:189-217, 2004.

Olshan AF. Epidemiology. In: Neuroblastoma Cheung N-K V. and Cohn SL. (Eds.), Springer-Verlag Berlin, pp. 1-5, 2005.

Olshan AF. Laryngeal Cancer. In: Cancer Epidemiology and Prevention, 2nd Ed. D. Schottenfeld and JF Fraumeni (Eds.), Oxford University Press, 2006.

Fallon R, **Olshan A**, Saxman S. Chapter 13, Male Genital Tract Cancer. In: Bleyer A, O'Leary M, Barr R, Ries LAG (eds): *Cancer Epidemiology in Older Adolescents and Young Adults 15 to 29 Years of Age, including SEER Incidence and Survival: 1975-2000*. National Cancer Institute, NIH Pub. No. 06-5767. Bethesda, MD 2006.

O'Leary M, Sheaffer J, Finklestein J, **Olshan A**, Brown J. Female Genital Tract Cancer. In: Bleyer A, O'Leary M, Barr R, Ries LAG (eds): *Cancer Epidemiology in Older Adolescents and Young Adults 15 to 29 Years of Age, including SEER Incidence and Survival: 1975-2000*. National Cancer Institute, NIH Pub. No. 06-5767. Bethesda, MD 2006.

Luderer U, Collins TF, Daston GP, Fischer LJ, Gray RH, Mirer FE, **Olshan AF**, Setzer RW, Treinen KA, Vermeulen R. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of styrene. *Birth Defects Res B Dev Reprod Toxicol*. 77:110-93, 2006.

Olshan AF. Meeting report: the use of newborn blood spots in environmental research: opportunities and challenges. *Environ Health Perspect*. 115:1767-79, 2007.

Book Reviews

Olshan AF. Review of "Molecular Dosimetry and Human Cancer" by J.D. Groopman and P.L. Skipper. *American Journal of Epidemiology*, 138:889-891, 1993.

Savitz DA, McMahon M, **Olshan AF**. Review of "Occupational and Environmental Reproductive Hazards: A Guide for Clinicians" by M. Paul. *New England Journal of Medicine*, 329:1588-1589, 1993.

Olshan AF. Review of "Mechanisms of Carcinogenesis: Contributions of Molecular Epidemiology" By P. Buffler, J. Rice, R. Baan, M. Bird, P. Boffetta. *Cancer Causes and Control*, 15:851-852, 2004.

Dissertation

A Case-Control Study of Risk Factors for Wilms' Tumor. 1987. Department of Epidemiology, University of Washington. Chairperson of Supervisory Committee: Janet R. Daling, Ph.D.

Refereed Articles (* major advisor for students)

1. Vitaliano PP, Prinz P, Vitiello MV, **Olshan AF**, Roehrs TA: On the use of repeated measures designs in psychopharmacology. *Psychopharmacology* 72:247-249, 1981. PMID: 6784142
2. Swindler DR, **Olshan AF**, Sirianni JE: Sex Differences in permanent mandibular tooth development in *Macaca nemestrina*. *Human Biology* 54:45-53, 1982. PMID: 7084931
3. Daniel HJ, Schmidh RT, **Olshan AF**, Swindler DR: Ontogenetic changes in the bony labyrinth of *Macaca mulatta*. *Folia Primatologica* 38:122-129, 1982. PMID: 7095657
4. **Olshan AF**, Siegel AF, Swindler DR: Robust and least squares orthogonal mapping: Methods for the study of cephalofacial form and growth. *American Journal of Physical Anthropology* 59: 131-137, 1982. PMID: 7149014
5. Swindler DR, **Olshan AF**: Molar size sequence in old world monkeys. *Folia Primatologica* 39:201-212, 1982. PMID: 7166286
6. Daling JR, Starzyk P, **Olshan AF**, Weiss NS: Birthweight and the incidence of childhood cancer. *Journal of the National Cancer Institute* 72:1039- 1041, 1984. PMID: 6585581
7. **Olshan AF**, Shy KK, Hickok DE, Luthy DA, Weiss NS, Daling JR: Effect of cesarean birth on neonatal mortality in very low birthweight infants. *Obstetrics and Gynecology* 64:267-70, 1984. PMID: 6738960
8. **Olshan AF**, Breslow NE, Daling JR, Weiss NS, Leviton A: Childhood brain tumors and paternal occupation in the aerospace industry. *Journal of the National Cancer Institute*, 77:17-19, 1986. PMID: 3459911
9. **Olshan AF**: Wilms' tumor, overgrowth and fetal growth factors: A hypothesis. *Cancer Genetics and Cytogenetics* 21:303-307, 1986. PMID: 3006909
10. Koepsell TD, Daling Jr, Weiss NS, Taylor JW, **Olshan AF**, Lyon JL, Swanson GM, Child M: Antigenic stimulation and the occurrence of multiple myeloma. *American Journal of Epidemiology* 126:1051-1062, 1987. PMID: 3687917
11. Shy KK, **Olshan AF**, Hickok DE, Luthy DA: Electronic fetal heart rate monitoring and the occurrence of perinatal mortality in very low birthweight infants. *Birth*, 15:14-18, 1988. PMID: 3348870
12. Breslow N, Norkool P, **Olshan A**, Evans A, D'Angio GJ: Second malignant neoplasms in survivors of Wilms' tumor: A report from the National Wilms' Tumor Study. *Journal of the National Cancer Institute*, 80:592-595, 1988. PMID: 2836600

13. Muhm JM, **Olshan AF**: A program to calculate sample size, power and least detectable relative risk using a programmable calculator. *American Journal of Epidemiology* 129:205-211, 1989. PMID: 2910062
14. **Olshan AF**, Baird PA, Teschke K: Paternal occupational exposures and the risk of Down syndrome. *American Journal of Human Genetics* 44:646-651, 1989. PMID: PMC1715649
15. **Olshan AF**, Faustman E: Nitrosatable drug exposure during pregnancy and adverse pregnancy outcome. *International Journal of Epidemiology*, 18:891-899, 1989. PMID: 2621027
16. **Olshan AF**, Teschke, K, Baird PA: Birth defects among offspring of firemen. *American Journal of Epidemiology* 131:312-321, 1990. PMID: 2296983
17. **Olshan AF**, Breslow NE, Daling J, Falletta J, Grufferman S, Robison L, Waskerwitz M, Hammond D: Wilms' tumor and paternal occupation. *Cancer Research*, 50:3212-3217, 1990. PMID: 2159375
18. **Olshan AF**, Teschke K, Baird PA: Paternal occupation and congenital anomalies in offspring. *American Journal of Industrial Medicine*, 20:447- 475, 1991. PMID:1785611
19. Blatt J, **Olshan AF**, Gula MJ, Dickman PS, Zaranek B: Second malignancies in very long term survivors of childhood cancer. *American Journal of Medicine*, 93:57-60, 1992. PMID: 1320804
20. Ambinder RF, Browing PJ, Mann RB, Lorenzana I, Levanthal B, Cosenza H, MacMahon E, Medina R, Cardona V, Grufferman S, **Olshan A**, Levin A, Petersen EA, Blattner W, Levine PH. Epstein-Barr Virus and childhood Hodgkin's Disease in Honduras and the United States. *Blood*, 81:462-467, 1992. PMID: 8380725
21. Breslow N, **Olshan A**, Beckwith JB, Green DM. Epidemiology of Wilms tumor. *Medical and Pediatric Oncology*, 21:172-181, 1993. PMID: 7680412
22. **Olshan AF**, Faustman E: Male-Mediated Developmental Toxicity. *Annual Review of Public Health*, 14:159-181, 1993. (Reprinted in *Reproductive Toxicology*, 7:191-202, 1993) PMID: 7686758
23. **Olshan AF**, Breslow NE, Falletta J, Grufferman S, Pendergrass T, Robison L, Waskerwitz M, Woods W, Vietti T, Hammond D: Risk factors for Wilms' tumor: Report from the National Wilms' Tumor Study. *Cancer* 72:938-944, 1993. PMID: 8392906
24. Breslow N, **Olshan A**, Beckwith JB, Moksness J, Feigel P, Green D: Ethnic variation in the incidence, diagnosis, prognosis and followup of children with Wilms Tumor. *Journal of the National Cancer Institute*, 86:49-51, 1994. PMID: 8271283
25. Zhang J, **Olshan A**, Cai WW: Birth defects in relation to threatened abortion. *Epidemiology*, 5:341-344, 1994. PMID: 8038250

26. Savitz DA, Sonnenfeld N, **Olshan A**. Review of epidemiologic studies of paternal exposure and spontaneous abortion. *American Journal of Industrial Medicine*, 25:361-383, 1994. PMID: 8160656
27. Teschke K, Kennedy SM, **Olshan AF**: Effect of different questionnaire formats on reporting of occupational exposures. *American Journal of Industrial Medicine*, 26:327-337, 1994. PMID: 7977406
28. **Olshan AF**, Schnitzer P, Baird PA: Paternal age and the risk of cardiac defects. *Teratology*, 50:80-84, 1994. PMID: 7974258
29. **Olshan AF**, Mattison DR, Zwanenburg TSB: Cyclosporin A: Review of genotoxicity and potential for adverse human reproductive effects. *Mutation Research*, 317:163-173, 1994. PMID: 7511794
30. *McIntosh GC, **Olshan AF**, Baird PA: Paternal age and the risk of birth defects in offspring. *Epidemiology*, 6:282-288, 1995. PMID: 7619937
31. Carozza SE, **Olshan AF**, Faustman EM, Gula MJ, Kolonel LN, Austin DF, West D, Weiss NS, Swanson M, Lyon JL, Hedley-White T, Gilles FH, Aschenbrener C, Leviton A: Maternal Exposure to N-nitrosatable Drugs as a Risk Factor for Childhood Brain Tumors. *International Journal of Epidemiology*, 24:308-312, 1995. PMID: 7635590
32. *Schnitzer PG, **Olshan AF**, Savitz DA, Erickson JD: Validity of mother's report of father's occupation in a study of paternal occupation and congenital malformations. *American Journal of Epidemiology*, 141:872-877, 1995. PMID: 7717364
33. *Schnitzer PG, Teschke K, **Olshan AF**: A classification scheme for aggregating US census occupation and industry codes. *American Journal of Industrial Medicine*, 28:185-191, 1995. PMID: 8585516
34. *Schnitzer PG, **Olshan AF**, Savitz DA, Erickson JD: Paternal occupation and risk of birth defects in offspring. *Epidemiology*, 6:577-583, 1995. PMID: 8589087
35. **Olshan AF**, Ananth CV, Savitz DA: Intrauterine growth retardation as an endpoint in mutation epidemiology: an evaluation based on paternal age, *Mutation Research*, 344:89-94, 1995. PMID: 7565898
36. Savitz DA, **Olshan AF**: Multiple comparisons and related distractions in the interpretation of epidemiologic data, *American Journal of Epidemiology*, 142:904-908, 1995. PMID: 7572970
37. **Olshan AF**. Lessons learned from human studies of environmental exposure and genetic disease. *Environmental and Molecular Mutagenesis*, 25, Supplement 26:74-80, 1995. PMID: 7789365
38. Savitz DA, **Olshan AF**, Gallagher K: Maternal occupation and pregnancy outcome: results from the 1988 national maternal and infant health survey. *Epidemiology*, 7:269-274, 1996. PMID: 8728440

39. *McMahon MJ, Luther ER, Bowes WA, **Olshan AF**: Trial of labor versus elective repeat cesarean: a population-based study. *New Engl J Med*, 335:689-695, 1996. PMID: 8703167
40. Yarbrough WG, Aprelikova O, Pei H, **Olshan AF**, Liu ET: Familial tumor syndrome associated with a germline non-functional p16^{INK4a} allele. *J Natl Cancer Inst*, 88:1489-1491, 1996. PMID: 8841025
41. **Olshan AF**, Weissler MC, Pei, H, Conway K, Anderson S: Alterations of the p16 gene in head and neck cancer: Frequency and association with p53, PRAD-1, and HPV. *Oncogene*, 14:811-818, 1997. PMID: 9047388
42. **Olshan AF**, Weissler MC, Pei H, Conway K: p53 mutations in head and neck cancer: new data and evaluation of mutational spectra. *Cancer Epidemiology, Biomarkers & Prevention*, 6:499-504, 1997. PMID: 9232336
43. McMahon MJ, Li R, Schenck AP, **Olshan AF**, Royce RA: Previous cesarean birth as a risk factor for placenta previa: A population-based case-control study. *Journal of Reproductive Medicine*, 42:409-412, 1997. PMID: 9252931
44. Blatt J, **Olshan A**, Lee PA, Ross JL: Neuroblastoma and related tumors in Turner's syndrome. *Journal of Pediatrics*, 131:666-670, 1997. PMID: 9403643
45. *Daniels JL, **Olshan AF**, and Savitz DA: Pesticides and childhood cancer: A review. *Environmental Health Perspectives*, 105:1068-1077, 1997. PMID: 9349828
46. *McKaig R, Baric R, **Olshan AF**: HPV and Head and Neck Cancer: A Review. *Head & Neck*, 20:250-265, 1998. PMID: 9570632
47. Shults R. Arndt V, Martin C, **Olshan A**, Royce R: Effects of short interpregnancy intervals on intrauterine growth retardation and preterm birth. *Epidemiology* 10:250-254, 1999. PMID: 10230833
48. *Lieff S, **Olshan AF**, Savitz DA, Werler M: Selection bias and the use of controls with malformations in case-control studies of birth defects. *Epidemiology* 10:238-241, 1999. PMID: 10230831
49. *Lieff S, **Olshan AF**, Strauss R, Werler M: Maternal cigarette smoking during pregnancy and risk of oral clefts in newborns. *American Journal of Epidemiology*, 150:683-694, 1999. PMID: 10512422
50. **Olshan AF**, Smith J, Cook MN, Grufferman S, Pollock BH, Stram DO, Seeger RC, Look AT, Cohn SL, Castleberry RP, Bondy ML: Hormone and fertility drug use and the risk of neuroblastoma: A report from the Children's Cancer Group and the Pediatric Oncology Group. *American Journal of Epidemiology*, 150:930-938, 1999. PMID: 10547138
51. **Olshan AF**, DeRoos AJ, Teschke K, Neglia JP, Stram DO, Pollock BH, Castleberry RP: Neuroblastoma and parental occupation. *Cancer Causes and Control*, 10:539-549, 1999. PMID: 10616823

52. *Arbes SJ, Jr, **Olshan AF**, Caplan DJ, Schoenbach VJ, Slade GD, Symons MJ. Factors contributing to the poorer survival of black Americans diagnosed with oral cancer. *Cancer Causes and Control* 10:513-523, 1999. PMID: 10616821
53. Li R, Boerwinkle E, **Olshan AF**, Chambless LE, Pankow JS, Tyroler HA, Bell DA, Heiss G. Glutathione S-transferase genotypes as susceptibility factors in smoking-related coronary heart disease. *Atherosclerosis*, 149:451-462,2000. PMID: 10729397
54. **Olshan AF**, Weissler MC, Watson MA, Bell DA: GSTM1, GSTT1, GSTP1, CYP1A1, and NAT1 polymorphisms, tobacco use and the risk of head and neck cancer. *Cancer Epidemiology, Biomarkers & Prevention*, 9:185-191, 2000. PMID: 10698480
55. Carozza SE, Wrensch M, Miike R, Newman B, **Olshan A**, Savitz D, Yost M, Lee M. Occupation and adult glioma. *American Journal of Epidemiology*, 152:838-846, 2000. PMID: 11085395
56. Teschke K, Smith J, **Olshan AF**: Evidence of recall bias in volunteered vs. prompted responses about occupational exposures. *American Journal of Industrial Medicine*, 38:385-388, 2000. PMID: 10982978
57. *Yang Q, **Olshan AF**, Bondy ML, Shah NR, Pollock BH, Seeger RC, Look AT, Cohn SL: Parental smoking and alcohol consumption and risk of neuroblastoma. *Cancer Epidemiology, Biomarkers & Prevention*, 9:967-972, 2000. PMID: 11008916
58. *Daniels JL, **Olshan AF**, Teschke K, Hertz-Picciotto I, Savitz DA, Blatt J, Bondy ML, Neglia JP, Pollock BH, Cohn SL, Look AT, Seeger RC, Castleberry RP. Residential pesticide exposure and the risk of neuroblastoma. *Epidemiology*, 12:20-27, 2001. PMID: 11138814
59. **Olshan AF**, Weissler MC, Watson MA, Bell DA: Risk of head and neck cancer and the alcohol dehydrogenase 3 genotype. *Carcinogenesis*, 22:57-61, 2001. PMID: 11159741
60. Gurney JG, Smith MA, **Olshan AF**, Hecht SS, Kasum CM: Clues to the etiology of childhood brain cancer: n-nitroso compounds, polyomaviruses and other factors of interest. *Cancer Investigation*, 19:630-640, 2001. PMID: 11486706
61. *Daniels JL, **Olshan AF**, Teschke K, Hertz-Picciotto I, Savitz DA, Blatt J. Comparison of assessment methods for pesticide exposure in a case-control study. *American Journal of Epidemiology*, 153:1227-32, 2001. PMID: 11415959
62. Baris D, Garrity TJ, Telles JL, Heineman, EF, **Olshan A**, Zahm SH: A Cohort Mortality Study of Philadelphia Firefighters. *American Journal of Industrial Medicine*, 39:463-476, 2001. PMID: 11333408
63. *De Roos AJ, **Olshan AF**, Poole C, Teschke K. An Application of Hierarchical Regression in the Investigation of Multiple Paternal Occupational Exposures and Childhood Cancer. *American Journal of Industrial Medicine*, 39:477-486, 2001. PMID: 11333409

64. *De Roos AJ, Teschke K, Savitz DA, Poole C, Grufferman S, Pollock BH, **Olshan AF**. Parental Occupational Exposures to Fields and Radiation in the Electromagnetic Spectrum and the Incidence of Neuroblastoma in Offspring. *Epidemiology*, 12:508-517, 2001. PMID: 11505168
65. *De Roos AJ, **Olshan AF**, Teschke K, Poole C, Savitz DA, Blatt J, Bondy ML, Pollock BH: Parental Occupational Exposures to Chemicals and the Incidence of Neuroblastoma in Offspring. *American Journal of Epidemiology*, 154:106-14, 2001. PMID: 11447042
66. *Geisler SA and **Olshan AF**. *GSTM1*, *GSTT1* and Risk of Squamous Cell Carcinoma of the Head and Neck: A HuGE MiniReview. *American Journal of Epidemiology*, 154:95-105, 2001. PMID: 11447041
67. *Hatcher JL, Baris D, **Olshan AF**, Inskip PD, Savitz DA, Swanson GM, Pottern LM, Greenberg RS, Schwartz AG, Schoenberg JB, Brown LM. Diagnostic Radiation and the Risk of Multiple Myeloma. *Cancer Causes and Control*, 12:755-761, 2001. PMID: 11562116
68. *Schroeder JC, **Olshan AF**, Baric R, Dent GA, Weinberg CR, Yount B, Cerhan JR, Lynch CF, Schuman LM, Tolbert PE, Rothman N, Cantor K, Blair A. A Case-Control Study of Agricultural Risk Factors for t(14;18) Non-Hodgkin's Lymphoma. *Epidemiology*, 12:701-709, 2001. PMID: 11679800
69. Hamrick SEG., **Olshan AF**, Neglia JP, Pollock BH: Association of pregnancy history and birth characteristics with neuroblastoma. A report from the Children's Cancer Group and Pediatric Oncology Group. *Paediatric & Perinatal Epidemiology*, 15:328-337, 2001. PMID: 11703680
70. **Olshan AF**, Watson MA, Weissler MC, Bell DA: *XRCC1* Polymorphisms and Head and Neck Cancer. *Cancer Letters*, 178:181-186, 2002. PMID: 11867203
71. *Schroeder JC, **Olshan AF**, Baric R, Dent GA, Weinberg CR, Yount B, Cerhan JR, Lynch CF, Schuman LM, Tolbert PE, Rothman N, Cantor K, Blair A. A Case-Control Study of Tobacco Use and Other Non-Occupational Risk Factors for t(14;18) Non-Hodgkin's Lymphoma. *Cancer Causes and Control*, 13:159-168, 2002. PMID: 11936822
72. *Daniels JL, **Olshan AF**, Pollock, BH, Shah NR, Stram DO. Breastfeeding and the occurrence of neuroblastoma. *Cancer Causes and Control*, 13:401-405, 2002. PMID: 12146844
73. **Olshan AF**, Smith JC, Bondy ML, Neglia JP, Pollock BH. Maternal Vitamin Use and Reduced Risk of Neuroblastoma. *Epidemiology*, 13:575-80, 2002. PMID: 12192228
74. Shaw GM, Nelson V, **Olshan AF**. Paternal Occupational Group and Risk of Offspring with Neural Tube Defects. *Paediatric and Perinatal Epidemiology*, 16:328-333, 2002. PMID: 12445149

75. Teschke K, **Olshan, AF**, Daniels JL, De Roos AJ, Parks CG, Schulz M, Vaughan TL. Occupational exposure assessment in case-control Studies: Opportunities for improvement. *Occupational and Environmental Medicine*, 59:575-594, 2002. PMID: 12205230
76. *Rauscher GH, Sandler DP, Poole C, Pankow J, Mitchell B, **Olshan AF**. Family History of cancer and incidence of acute leukemia in adults: proxy versus patient reporting in a case-control study. *American Journal of Epidemiology*, 156:517-526, 2002. PMID: 12225999
77. *Geisler SA, **Olshan AF**, Weissler MC, Cai J, Funkhouser WK, Smith J, Vick K. P16 and P53 protein expression as prognostic indicators of survival and disease recurrence from head and neck cancer. *Clinical Cancer Research*, 8:3445-3453, 2002. PMID: 12429633
78. Savitz DA, I. Hertz-Picciotto, Poole, C, **Olshan AF**. Epidemiologic measures of the course and outcome of pregnancy, *Epidemiologic Reviews*, 24:91-101, 2002. PMID: 12762085
79. *Rauscher GH, Sandler DP, Poole C, Pankow J, Shore D, Bloomfield CD, **Olshan AF**. Is family history of breast cancer a marker of susceptibility to exposures in the incidence of de Novo adult acute leukemia? *Cancer Epidemiology, Biomarkers & Prevention* 12: 289-294, 2003. PMID: 12692102
80. **Olshan AF**, Li R, Pankow JS, Bray M, Tyroler HA, Chambless LE, Boerwinkle E, Pittman GS, Bell DA. Risk of atherosclerosis: interaction of smoking and glutathione S-transferase genes. *Epidemiology*, 14:321-327, 2003. PMID: 12859033
81. *van Wijngaarden E, Stewart PA, Bunin GB, **Olshan AF**, Savitz DA, Loomis D. Parental occupational exposure to pesticides and childhood brain cancer. *American Journal of Epidemiology*, 157:989-97, 2003. PMID: 12777362
82. **Olshan AF**, Schroeder JC, Alderman BW, Mosca VS. Joint laxity and the risk of clubfoot. *Birth Defects Research (Part A)*, 67:585-590, 2003. PMID: 14632308
83. Brennan P, Lewis S, Hashibe M, Bell D, Boffetta P, Bouchardy C, Caporaso N, Chu C, Coutelle C, Diehl S, Hayes RB, **Olshan A**, Schwartz SM, Sturgis E, Wei Q, Zavras AI, Benhamou S Pooled-analysis of alcohol dehydrogenase genotypes and head and neck cancer – a HuGE review, *American Journal of Epidemiology*, 159:1-16, 2004. PMID: 14693654
84. *Cook MN, **Olshan AF**, Savitz DA, Poole C, Blatt J, Bondy ML, Pollock BH: Maternal Medication Use and Neuroblastoma in Offspring, *American Journal of Epidemiology*, 159:721-731, 2004. PMID: 15051581
85. *Gaudet MM, **Olshan AF**, Poole C, Weissler MC, Watson M, Bell DA. Diet, GSTM1 and GSTT1 and Head and Neck Cancer, *Carcinogenesis*, 25:735-740, 2004. PMID: 14688020

86. *Patton T, **Olshan AF**, Neglia JP, Castleberry RP. Parental exposure to medical radiation and neuroblastoma in offspring, *Paediatric and Perinatal Epidemiology*, 18:178-185, 2004. PMID: 15130156
87. Perrillat-Menegaux F, **Olshan AF**, Neglia JP, Pollock BH, Bondy ML. Day Care, Childhood Infections, and Risk of Neuroblastoma, *American Journal of Epidemiology*, 159:843-851, 2004. PMID: 15105177
88. Yang J, Hartmann KE, Savitz DA, Herring AH, Dole N, **Olshan AF**, Thorp JM, Jr. Vaginal bleeding during pregnancy and preterm birth. *American Journal of Epidemiology*, 160:118-25, 2004. PMID: 15234932
89. Canfield KN, Spector LG, Robison LL, Lazovich D, Roesler M, **Olshan AF**, Smith FO, Heerema NA, Barnard DR, Blair CK, Ross JA. Childhood and Maternal Infections and Risk of Acute Leukemia in Children with Down Syndrome: A Report from the Children's Oncology Group. *British Journal of Cancer*, 91:1866-1872, 2004. PMID: 15520821
90. Yang J, Savitz DA, Dole N, Hartmann KE, Herring AH, **Olshan AF**, Thorp JM, Jr. Predictors of vaginal bleeding during pregnancy. *Paediatric and Perinatal Epidemiology*, 19:276-283-125, 2005. PMID: 15958150
91. *Geisler SA, **Olshan AF**, Cai J, Weissler M, Smith J, Watson M, Bell D. Glutathione S-transferase polymorphisms and survival from head and neck cancer, *Head & Neck*, 27:232-242, 2005. PMID: 15668931
92. Ross JA, Spector LG, Robison LL, **Olshan AF**. Epidemiology of leukemia in children with Down Syndrome. *Pediatric Blood & Cancer*, 44:8-12, 2005. PMID: 15390275
93. Trivers KF, De Roos AJ, Gammon MD, Vaughan TL, Risch HA, **Olshan AF**, Schoenberg JB, Mayne ST, Stanford JL, Abrahamson P, Rotterdam H, West AB, Fraumeni, JF Jr., Wong-Ho C. Demographic and Lifestyle Predictors of Survival in Patients with Esophageal or Gastric Cancers. *Clinical Gastroenterology and Hepatology*, 3:225-230, 2005. PMID: 15765441
94. *Mulherin-Engel SA, **Olshan AF**, Savitz DA, Thorp J, Erichsen HC, Chanock SJ. Risk of small-for-gestational age is associated with common anti-inflammatory cytokine polymorphisms, *Epidemiology*, 16:478-86, 2005. PMID: 15951665
95. *Mulherin-Engel SA, Erichsen HC, Savitz DA, Thorp J, Chanock SJ, **Olshan AF**. Risk of spontaneous preterm birth is associated with common proinflammatory cytokine polymorphisms. *Epidemiology*, 16:469-77, 2005. PMID: 15951664
96. Menegaux F, **Olshan AF**, Reitnauer PJ, Blatt J, Cohn SL. Positive Association Between Congenital Anomalies and Risk of Neuroblastoma. *Pediatric Blood & Cancer*, 45: 649-55, 2005. PMID: 15547919
97. **Olshan AF**, Shaw GM, Millikan RC, Laurent C, Finnell RH. Polymorphisms in DNA Repair Genes as Risk Factors for Spina Bifida and Orofacial Clefts. *American Journal of Medical Genetics, A.*; 135:268-73, 2005. PMID: 15887293

98. Ross JA, Blair CK, **Olshan AF**, Robison LL, Smith FO, Heerema NA, Roesler M. Periconceptional vitamin use and leukemia risk in children with Down syndrome: A Children's Oncology Group Study. *Cancer*, 104:405-10, 2005. PMID: 15952191
99. *McCall EE, **Olshan AF**, Daniels JL. Maternal Hair Dye Use and Risk of Neuroblastoma in Offspring. *Cancer Causes and Control*, 16:743-748, 2005. PMID: 16049813
100. *Gilboa SM, Mendola P, **Olshan AF**, Langlois P, Savitz DA, Loomis D, Herring AH, Fixler D. Relationship between ambient air quality and selected birth defects, Seven County Study, Texas, 1997-2000. *American Journal of Epidemiology*, 162:238-52, 2005. PMID: 15987727
101. Huang W-Y, **Olshan AF**, Schwartz SM, Berndt SI, Chen C, Llica V, Chanock SJ, Fraumeni JF, Hayes RB. DNA Repair Polymorphisms and Risk of Head and Neck Cancer: a Pooled Analysis. *Cancer Epidemiology, Biomarkers & Prevention*, 14:1747-53, 2005. PMID: 16030112
102. Gaudet MM, Gammon MD, Santella RM, Britton JA, Teitelbaum SL, Eng SM, Terry MB, Bensen JT, Schroeder J, **Olshan AF**, Neugut AI, Ambrosone CB. MnSOD Val-9Ala genotype, pro- and anti-oxidant environmental modifiers, and breast cancer among women on Long Island, New York. *Cancer Causes and Control*, 16:1225-34, 2005. PMID: 16215873
103. *Gilboa SM, Mendola P, **Olshan AF**, Savitz DA, Herring AH, Loomis D, Langlois P, Keating K. Characteristics that Predict Locating and Interviewing Mothers Identified By a State Birth Defects Registry and Vital Records. *Birth Defects Research Birth Defects Research Clin Mol Teratol*. 76:60-65, 2006. PMID: 16397888
104. Trivers KF, Mertens AC, Ross JA, Steinbuch M, **Olshan AF**, Robison LL. Parental Marijuana Use and Risk of Childhood Acute Myeloid Leukemia: A Report from the Children's Cancer Group. *Paediatric and Perinatal Epidemiology*, 20:110-118, 2006. PMID: 16466429
105. Erichsen HC, Mulherin Engel SA, Eck PK, Welch R, Yeager M, Levine M, Siega-Riz AM, **Olshan AF**, Chanock SJ. Genetic variation in the sodium-dependent vitamin C transporters, *SLC23A1* and *SLC23A2* and risk for preterm delivery. *American Journal of Epidemiology*, 163:245-254, 2006. PMID: 16357110
106. *Gilboa SM, Mendola P, **Olshan AF**, Harness C, Loomis D, Langlois P, Savitz DA, Herring AH. Comparison of Residential Geocoding Methods in Population-Based Study of Air Quality and Birth Defects. *Environmental Research*, 101:256-262, 2006. PMID: 16483563
107. *Bluhm EC, Daniels J, **Olshan AF**. Maternal Use of Recreational Drugs and Neuroblastoma in Offspring. *Cancer Causes and Control*, 17:663-669, 2006. PMID: 16633913

108. *Saddlemire S, **Olshan AF**, Daniels JL, Breslow NE, Bunin GR, Ross JR. Breast-feeding and Wilms tumor: a report from the Children's Oncology Group. *Cancer Causes and Control*, 17:687-693, 2006. PMID: 16633916
109. Siega-Riz AM, **Olshan AF**, Werler MM, Moore C. Fat intake and the risk of gastroschisis. *Birth Defects Research A Clin Mol Teratol*, 76:241-245, 2006. PMID: 16575898
110. Alderton LE, Spector LG, Blair CK, Roesler M, **Olshan AF**, Robison LL, Ross JA. Child and Maternal Household Chemical Exposure and the Risk of Acute Leukemia in Children with Down Syndrome: A Report from the Children's Oncology Group. *American Journal of Epidemiology*, 164:212-21, 2006. PMID: 16760223
111. Gaudet MM, Bensen JT, Schroeder J, **Olshan AF**, Terry MB, Eng SM, Teitelbaum SL, Britton JA, Lehman TA, Neugut AI, Ambrosone CB, Santella RM, Gammon MD. Catechol-O-Methyltransferase Haplotypes and Breast Cancer among Women on Long Island, New York. *Breast Cancer Research and Treatment*, 99:235-40, 2006. PMID: 16596327
112. Richey LM, **Olshan AF**, George J, Shores CG, Zanation AM, Cannon T, Weissler MC. Incidence and survival rates for young blacks with nasopharyngeal carcinoma in the United States. *Arch Otolaryngology Head Neck Surgery*, 132:1035-40, 2006. PMID: 17043247
113. *Engel SM, **Olshan AF**, Siega-Riz AM, Savitz DA, Chanock SJ. Polymorphisms in Folate Metabolizing Genes and Risk for Spontaneous Preterm and Small-for-Gestational Age Birth. *American Journal of Obstetrics and Gynecology*, 195:1231.e1-11, 2006. PMID: 17074544
114. Linabery AM, **Olshan AF**, Gamis AS, Smith FO, Heerema NA, Blair CK, Ross JA. Exposure to medical test irradiation and acute leukemia among children with Down syndrome: a report from the Children's Oncology Group. *Pediatrics*, 118:e1499-508, 2006. PMID: 17030598
115. **Olshan AF**, Perreault SD, Bradley L, Buus RM, Strader LF, Jeffay SC, Lansdell L, Savitz DA, Herring A. The Healthy Men Study: A Cohort Study of Drinking Water Disinfection By-Products and Semen Quality. *Fertility and Sterility*, 87:554-64, 2007. PMID: 17140573
116. Trivers KF, Gammon MD, Abrahamson PE, Lund MJ, Flagg EW, Kaufman JS, Moorman PG, Cai J, **Olshan AF**, Porter PL, Brinton LA, Eley JW, Coates RJ. Association between reproductive factors and breast cancer survival in younger women. *Breast Cancer Research and Treatment*, 103:93-102, 2007. PMID: 17004111
117. *Cooney MA, Daniels JL, Ross JA, Breslow NE, Pollock BH, **Olshan AF**. Household pesticides and the risk of Wilms Tumor. *Environmental Health Perspectives*, 115:134-7, 2007. PMID: 17366833

118. Hashibe M, Brennan P, Benhamou S, Castellsague X, Chen C, Curado MP, Maso LD, Daudt AW, Fabianova E, Wünsch-Filho V, Franceschi S, Hayes R, Herrero R, Koifman S, La Vecchia C, Lazarus P, Levi F, Mates D, Matos E, Menezes A, Muscat J, Eluf-Neto J, **Olshan A**, Rudnai P, Schwartz SM, Smith E, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Wei Q, Winn DM, Zaridze D, Zatonski W, Zhang ZF, Berthiller J, Boffetta P. Alcohol drinking in never-tobacco users and cigarette smoking in never drinkers: pooled analysis in the International Head and Neck Cancer Epidemiology (INHANCE) consortium. *Journal of the National Cancer Institute*, 99:777-89, 2007. PMID: 17505073
119. Puumala SE, Ross JA, **Olshan AF**, Robison LL, Smith FO, Spector LG. Reproductive history, infertility treatment, and the risk of acute leukemia in children with Down syndrome: A report from the Children's Oncology Group (COG). *Cancer*, 110:2067-74, 2007. PMID: 17849462
120. *Felini M, **Olshan A**, Schroeder J, North K, Carozza, Kelsey K, Rice T, Wrensch M. DNA repair polymorphisms XRCC1 and MGMT and risk of adult gliomas. *Neuroepidemiology*, 29:55-58, 2007. PMID: 17898525
121. Bunin GR, Spector LG, **Olshan AF**, Robison LL, Roesler M, Grufferman S, Shu XO, Ross JA. Secular trends in response rates for controls selected by random-digit dialing in childhood cancer studies: A report from the Children's Oncology Group. *American Journal of Epidemiology*, 166:109-16, 2007. PMID: 17456476
122. Spector LG, Ross JA, Puumala SE, Roesler M, **Olshan AF**, Bunin GR. Feasibility of nationwide birth registry control selection in the United States. *American Journal of Epidemiology*, *Am J Epidemiol*. 166:852-6, 2007. PMID: 17623744
123. *Luben TJ, **Olshan AF**, Herring AH, Jeffay S, Strader L, Buus RM, Chan RL, Savitz DA, Singer PC, Weinberg HS, Perreault SD. The healthy men study: an evaluation of exposure to disinfection by-products in tap water and sperm quality. *Environ Health Perspectives*, 115:1169-76, 2007. PMID: 17687443
124. Blair CK, Roesler M, Xie Y, Gamis AS, **Olshan AF**, Heerema NA, Robison LL, Ross JA. Vitamin supplement use among children with Down syndrome and risk of leukemia: A Children's Oncology Group (COG) Study. *Paediatric Perinatal Epidemiology*, 22:288-95, 2008. PMID: 18426524
125. Cohen SS, Palmieri RT, Nyante SJ, Koralek DO, Kim S, Bradshaw P, **Olshan AF**: A Review: Obesity and screening for breast, cervical and colorectal cancer in women. *Cancer*, 112(9):1892-904, 2008. PMID: 18361400
126. Hoffman CS, Mendola P, Savitz DA, Herring AH, Loomis D, Hartmann KE, Singer PC, Weinberg HS, **Olshan AF**. Drinking water disinfection by-product exposure and duration of gestation. *Epidemiology*, 5:738-46, 2008. PMID: 18633329
127. Hoffman CS, Mendola P, Savitz DA, Herring AH, Loomis D, Hartmann KE, Singer PC, Weinberg HS, **Olshan AF**. Drinking water disinfection by-product exposure and fetal growth. *Epidemiology*, 5:729-37, 2008. PMID: 18633330

128. Daniels JL, Pan IJ, **Olshan AF**, Breslow NE, Bunin GR, Ross JA. Obstetric history and birth characteristics and Wilms Tumor: A report from the Children's Oncology Group. *Cancer Causes and Control*, 19:1103-10, 2008. PMID: 18509732
129. Devine S, West S, Andrews E, Tennis P, Eaton S, Thorp J, **Olshan A**. Validation of neural tube defects in the full featured--general practice research database. *Pharmacoepidemiol Drug Saf.* 17:434-44, 2008. PMID: 18344214
130. Basta PV, Bensen JT, Tse CK, Perou CM, Sullivan PF, **Olshan AF**. Genetic variation in Transaldolase1 and risk of squamous cell carcinoma of the head and neck. *Cancer Detection and Prevention*, 32:200-208, 2008. PMID: 18805652
131. Belinson S, Smith JS, Myers E, **Olshan A**, Belinson J, Pretorius R, Qiao YL, Hartmann K. Descriptive evidence that risk profiles for cervical intraepithelial neoplasia 1,2, and 3 are unique. *Cancer Epidemiol Biomarkers Prev.* 17:2350-5, 2008. PMID: 18768503
132. Linabery A, Blair CK, Gamis AS, **Olshan AF**, Heerema NA, Ross JA. Congenital abnormalities and acute leukemia among children with Down syndrome: A Children's Oncology Group study. *Cancer Epidemiol Biomarkers Prev.* 17:2572-7, 2008. PMID: 18829445
133. *Slickers JB, **Olshan AF**, Siega-Riz, AM, Honein MA, Aylsworth AS. Maternal body mass index and lifestyle exposures affect the risk of bilateral renal agenesis or hypoplasia: Findings from the National Birth Defects Prevention Study. *American Journal of Epidemiology.* 168:1259-67, 2008. PMID: 18835865
134. Wong-Gibbons DL, Romitti PA, Sun L, Moore CA, Reefhuis J, Bell EM, **Olshan AF**. Maternal periconceptional exposure to cigarette smoking and alcohol and esophageal atresia +/- tracheo-esophageal fistula. *Birth Defects Res A Clin Mol Teratol.* 82:776-84, 2008. PMID: 18985694
135. Siega-Riz AM, Herring AH, **Olshan AF**, Smith J, Moore C and the National Birth Defects Prevention Study. The Joint Effects of Maternal Prepregnancy Body Mass Index and Age on the Risk of Gastroschisis. *Paediatric and Perinatal Epidemiology.* 23:51-7, 2009. PMID: 19228314
136. MacLehose RF, **Olshan AF**, Herring AH, Honein MA, Shaw GM, Romitti PA. Bayesian methods for correcting misclassification: An example from birth defects epidemiology. *Epidemiology.* 20:27-35, 2009. PMID: 19234399
137. *Hasan R, **Olshan AF**, Herring AH, Savitz DA, Siega-Riz AM, Hartmann KE. Self-reported vitamin supplementation in early pregnancy and risk of miscarriage. *Am J Epidemiol.* 169:1312-8, 2009. PMID: 19372214
138. Gilboa S, Strickland M, **Olshan A**, Werler M, Correa A. Use of antihistamine medications during early pregnancy and isolated major malformations. *Birth Defects Research, Part A, Birth Defects Res A Clin Mol Teratol.* 85:137-50, 2009. PMID: 19161158

139. Hasan R, Baird D, Herring AH, **Olshan AF**, Jonsson Funk ML, Hartmann KE. Association Between First-Trimester Vaginal Bleeding and Miscarriage. *Obstetrics & Gynecology*, *Obstetrics and Gynecology* 114:860-7, 2009. PMID: 19888046
140. Goel R, **Olshan AF**, Ross JA, Breslow NE, Pollock BH. Maternal exposure to medical radiation and Wilms tumor in the offspring: a report from the Children's Oncology Group. *Cancer Causes Control*. 20:957-63, 2009. PMID: 19199107
141. Purdue MP, Hashibe M, Berthiller J, La Vecchia C, Maso LD, Herrero R, Franceschi S, Castellsague X, Wei Q, Sturgis EM, Morgenstern H, Zhang ZF, Levi F, Talamini R, Smith E, Muscat J, Lazarus P, Schwartz SM, Chen C, Neto JE, Wünsch-Filho V, Zaridze D, Koifman S, Curado MP, Benhamou S, Matos E, Szeszenia-Dabrowska N, **Olshan AF**, Lence J, Menezes A, Daudt AW, Mates IN, Pilarska A, Fabianova E, Rudnai P, Winn D, Ferro G, Brennan P, Boffetta P, Hayes RB. Type of Alcoholic Beverage and Risk of Head and Neck Cancer--A Pooled Analysis Within the INHANCE Consortium. *Am J Epidemiol*, 169:132-42, 2009. PMID: 19064644
142. Ognjanovic S, Puumala S, Spector LG, Smith FO, Robison LL, **Olshan AF**, Ross JR. Maternal health conditions during pregnancy and acute leukemia in children with Down syndrome: A Children's Oncology Group study. *Pediatric Blood & Cancer*, 52:602-8, 2009. PMID: 19148952
143. Hashibe M, Brennan P, Chuang SC, Boccia S, Castellsague X, Chen C, Curado MP, Dal Maso L, Daudt AW, Fabianova E, Fernandez L, Wünsch-Filho V, Franceschi S, Hayes RB, Herrero R, Kelsey K, Koifman S, La Vecchia C, Lazarus P, Levi F, Lence JJ, Mates D, Matos E, Menezes A, McClean MD, Muscat J, Eluf-Neto J, **Olshan AF**, Purdue M, Rudnai P, Schwartz SM, Smith E, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Wei Q, Winn DM, Shangina O, Pilarska A, Zhang ZF, Ferro G, Berthiller J, Boffetta P. Interaction between tobacco and alcohol use and the risk of head and neck cancer: pooled analysis in the International Head and Neck Cancer Epidemiology Consortium. *Cancer Epidemiol Biomarkers Prev*. 18:541-50, 2009. PMID: 19190158
144. Puumala SE, Spector LG, Robison LL, Bunin GR, **Olshan AF**, Linabery AM, Roesler MA, Blair CK, Ross JA. Comparability and Representativeness of Control Groups in a Case-Control Study of Infant Leukemia: A Report From the Children's Oncology Group. *Am J Epidemiol*, 170:379-87, 2009. PMID: 19498073
145. *Felini MJ, **Olshan AF**, Schroeder JC, Carozza SE, Miike R, Rice T, Wrensch M. Reproductive Factors and Hormone Use and Risk of Adult Gliomas. *Cancer Causes and Control*, 20(1):87-96, 2009. PMID: 18766447
146. Herdt-Losavio ML, Lin S, Chapman BR, Hooiveld M, **Olshan A**, Liu X, DePersis RD, Zhu J, Druschel CM. Maternal occupation and the risk of birth defects: an overview from the National Birth Defects Prevention Study. *Occup Environ Med*. 67:58-66, 2010. PMID: 20029025
147. Bosco JL, Tseng M, Spector LG, **Olshan AF**, Bunin GR. Reproducibility of reported nutrient intake and supplement use during a past pregnancy: a report from the Children's Oncology Group. *Paediatr Perinat Epidemiol*. 24:93-101, 2010. PMID: 20078835

148. *Hasan R, Funk ML, Herring AH, **Olshan AF**, Hartmann KE, Baird DD. Accuracy of reporting bleeding during pregnancy. *Paediatr Perinat Epidemiol.* 24:31-4, 2010. PMID: 20078827
149. Devine S, West S, Andrews E, Tennis P, Eaton S, Thorp J, **Olshan A**. The identification of pregnancies within the general practice research database. *Pharmacoepidemiology and Drug Safety*, 19:45-50, 2010. PMID: 19823973
150. Marron M, Boffetta P, Zhang ZF, Zaridze D, Wünsch-Filho V, Winn DM, Wei Q, Talamini R, Szeszenia-Dabrowska N, Sturgis EM, Smith E, Schwartz SM, Rudnai P, Purdue M, **Olshan AF**, Eluf-Neto J, Muscat J, Menezes A, McClean M, Matos E, Mates IN, Lissowska J, Levi F, Lazarus P, La Vecchia C, Koifman S, Kelsey K, Herrero R, Hayes RB, Franceschi S, Fernandez L, Fabianova E, Daudt AW, Dal Maso L, Curado MP, Chen C, Castellsague X, Boccia S, Benhamou S, Ferro G, Berthiller J, Brennan P, Møller H, Hashibe M. Cessation of alcohol drinking, tobacco smoking and the reversal of head and neck cancer risk. *International Journal of Epidemiology*, 39:182-96, 2010. PMID: 19805488
151. Chang CM, Schroeder JC, Huang WY, Dunphy CH, Baric RS, **Olshan AF**, Dorsey KC, Dent, GA, Cerhan JR, Lynch CF, Rothman N, Cantor KP, Blair A. Non-Hodgkin lymphoma (NHL) subtypes defined by common translocations: Utility of fluorescence in situ hybridization (FISH) in a case-control study. *Leuk Res*, 34:190-5, 2010. PMID: 19505720
152. Dragomir AD, Schroeder JC, Connolly AM, Kupper LL, Cousins DS, **Olshan AF**, Baird DD. Uterine Leiomyomata Associated with Self-Reported Stress Urinary Incontinence. *Journal of Women's Health*, 19:245-50, 2010. PMID: 20095907
153. Wurst, KE, Poole C, Ephross SA, **Olshan AF**. First Trimester Paroxetine Use and the Prevalence of Congenital, Specifically Cardiac, Defects: A Meta-Analysis of Epidemiological Studies. *Birth Defects Research Part A: Clinical and Molecular Teratology*, 88:159-70, 2010. PMID: 19739149
154. **Olshan AF**, Luben TJ, Hanley NM, Perreault SD, Chan RL, Herring AH, Basta PV, Demarini DM. Preliminary examination of polymorphisms of GSTM1, GSTT1, and GSTZ1 in relation to semen quality. *Mutat Res.* 688(1-2):41-46, 2010. PMID: 20214911
155. Hansen C, Luben TJ, Sacks JD, **Olshan A**, Jeffay S, Strader L, Perreault SD. The effect of ambient air pollution on sperm quality. *Environ Health Perspect.* 118:203-9, 2010. PMID: 20123611
156. Hasan R, Baird DD, Herring AH, **Olshan AF**, Jonsson Funk ML, Hartmann KE. Patterns and predictors of vaginal bleeding in the first trimester of pregnancy. *Ann Epidemiol.* 20:524-31, 2010. PMID: 20538195
157. Lubin JH, Gaudet MM, **Olshan AF**, Kelsey K, Boffetta P, Brennan P, Castellsague X, Chen C, Curado MP, Maso LD, Daudt AW, Fabianova E, Fernandez L, Wünsch-Filho V, Franceschi S, Herrero R, Koifman S, La Vecchia C, Lazarus P, Levi F, Lissowska J,

- Mates IN, Matos E, McClean M, Menezes A, Morgenstern H, Muscat J, Neto JE, Purdue MP, Rudnai P, Schwartz SM, Shangina O, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Wei Q, Winn D, Zhang ZF, Hashibe M, Hayes RB. Body Mass Index, Cigarette Smoking, and Alcohol Consumption and Cancers of the Oral Cavity, Pharynx, and Larynx: Modeling Odds Ratios in Pooled Case-Control Data. *Am J Epidemiol.* 171:1250-61, 2010. PMID: 20494999
158. Chang CM, Schroeder JC, **Olshan AF**, Dunphy CH, Huang WI, Baric RS, Conway K, Cerhan JR, Lynch CF, Rothman N, Cantor KP, Blair A. A case-control study of tobacco use and other non-occupational risk factors for lymphoma subtypes defined by t(14;18) translocations and bcl-2 expression. *Cancer Causes and Control*, 21:1147-54, 2010. PMID: 20232134
159. Green RF, Devine O, Crider KS, Olney RS, Archer N, **Olshan AF**, Shapira SK; The National Birth Defects Prevention Study. Association of Paternal Age and Risk for Major Congenital Anomalies From the National Birth Defects Prevention Study, 1997 to 2004. *Ann Epidemiol.* 20:241-9, 2010. PMID: 20056435
160. *Divaris K, **Olshan AF**, Smith J, Bell ME, Weissler MC, Funkhouser WK, Bradshaw PT. Oral health and risk for head and neck squamous cell carcinoma: the Carolina Head and Neck Cancer Study. *Cancer Causes Control.* 21:567-75, 2010. PMID: 20049634
161. Dragomir AD, Schroeder JC, Connolly A, Kupper LL, Hill MC, **Olshan AF**, Baird DD. Potential Risk Factors Associated With Subtypes of Uterine Leiomyomata. *Reprod Sci.* 17:1029-35, 2010. PMID: 20693498
162. Braun JM, Daniels JL, Poole C, **Olshan AF**, Hornung R, Bernert, JT, Xia Y, Bearer C, Barr DB, Lanphear BP. A prospective cohort study of biomarkers of prenatal tobacco smoke exposure: the correlation between serum and meconium and their association with infant birth weight. *Environmental Health* 2010, 9:53. PMID: 20799929
163. Gaudet MM, **Olshan AF**, Chuang SC, Berthiller J, Zhang ZF, Lissowska J, Zaridze D, Winn DM, Wei Q, Talamini R, Szeszenia-Dabrowska N, Sturgis EM, Schwartz SM, Rudnai P, Eluf-Neto J, Muscat J, Menezes A, Matos E, Bucur A, Levi F, Lazarus P, La Vecchia C, Koifman S, Kelsey K, Herrero R, Hayes RB, Franceschi S, Wunsch-Filho V, Fernandez V, Fabianova E, Daudt AW, Dal Maso L, Curado MP, Chen C, Castellsague X, Benhamou S, Boffetta P, Brennan P, Hashibe M. Body mass index and risk of head and neck cancer in a pooled analysis of case-control studies in the International Head and Neck Cancer Epidemiology (INHANCE) Consortium. *Int J Epidemiol*, 39: 1091-102, 2010. PMID: 20123951
164. *Laughlin SK, Herring AH, Savitz DA, **Olshan AF**, Fielding JR, Hartmann KE, Baird DD. Pregnancy-related fibroid reduction. *Fertil Steril.* 94:2421-3, 2010. PMID: 20451187
165. Braun JM, Daniels JL, Poole C, **Olshan AF**, Hornung R, Bernert JT, Khoury J, Needham LL, Barr DB, Lanphear BP. Prenatal environmental tobacco smoke exposure and early childhood body mass index. *Paediatr Perinat Epidemiol.* 2010 Nov;24(6):524-34. Epub 2010 Aug 16. PMID: 20955230

166. Hodgson ME, Poole CL, **Olshan AF**, North KE, Zeng D, Millikan RC. Smoking and selected DNA repair gene polymorphisms in controls: Systematic review and meta-analysis. *Cancer Epidemiol Biomarkers Prev.* 19:3055-86, 2010. PMID: 20935063
167. *Chan RL, **Olshan AF**, Savitz DA, Herring AH, Daniels JL, Peterson HB, Martin SL. Severity and duration of nausea and vomiting symptoms in pregnancy and spontaneous abortion. *Hum Reprod.* 2010 Nov;25(11):2907-12. Epub 2010 Sep 22. PMID: 20861299
168. Mumford SL, Schisterman EF, Siega-Riz AM, Gaskins AJ, Steiner AZ, Daniels JL, **Olshan AF**, Hediger ML, Hovey K, Wactawski-Wende J, Trevisan M, Bloom MS. Cholesterol, endocrine and metabolic disturbances in sporadic anovulatory women with regular menstruation. *Hum Reprod.* 26:423-30, 2010. PMID: 21115506
169. Mordukhovich I, Reiter PL, Backes DM, Family L, McCullough LE, O'Brien KM, Razzaghi H, **Olshan AF**. A review of African American-white differences in risk factors for cancer: prostate cancer. *Cancer Causes Control.* 22:341-057, 2010. PMID: 21184263
170. Nowicki E, Siega-Riz AM, Herring A, He K, Stuebe A, **Olshan A**. Predictors of Measurement Error in Energy Intake During Pregnancy. *Am J Epidemiol.* 173:560-8, 2011. PMID: 21273398
171. *Chan RL, **Olshan AF**, Savitz DA, Herring AH, Daniels JL, Peterson HB, Martin SL. Maternal Influences on Nausea and Vomiting in Early Pregnancy. *Matern Child Health J.* 15:122-7, 2011. PMID: 20012346
172. Chen D, Truong T, Gaborieau V, Byrnes GB, Chabrier A, Chuang SC, **Olshan AF**, Weissler MC, Luo J, Romkes M, Buch S, Nukui T, Franceschi S, Herrero R, Talamini R, Kelsey KT, Christensen BC, McClean MD, Lacko M, Manni JJ, Peters WH, Lubinski J, Trubicka J, Lener MR, Muscat JE, Lazarus P, Wei Q, Sturgis EM, Zhang ZF, Chang SC, Wang LE, Schwartz SM, Chen C, Benhamou S, Lagiou P, Holcatova I, Richiardi L, Kjaerheim K, Agudo A, Castellsague X, Macfarlane TV, Barzan L, Canova C, Thakker NS, Conway DI, Znaor A, Healy CM, Ahrens WH, Zaridze D, Szeszenia-Dabrowska N, Lissowska J, Fabianova E, Bucur A, Bencko V, Foretova L, Janout V, Curado MP, Koifman S, Menezes AM, Wunsch-Filho V, Eluf-Neto J, Fernandez L, Boccia SN, Hashibe M, Hayes RB, Boffetta PA, Brennan P, McKay JD. A sex-specific association between a 15q25 variant and upper aerodigestive tract cancers. *Cancer Epidemiol Biomarkers Prev.* 20:658-64, 2011. PMID: PMC3070066
173. McKay JD, Truong T, Gaborieau V, Chabrier A, Chuang SC, Byrnes G, Zaridze D, Shangina O, Szeszenia-Dabrowska N, Lissowska J, Rudnai P, Fabianova E, Bucur A, Bencko V, Holcatova I, Janout V, Foretova L, Lagiou P, Trichopoulos D, Benhamou S, Bouchardy C, Ahrens W, Merletti F, Richiardi L, Talamini R, Barzan L, Kjaerheim K, Macfarlane GJ, Macfarlane TV, Simonato L, Canova C, Agudo A, Castellsagué X, Lowry R, Conway DI, McKinney PA, Healy CM, Toner ME, Znaor A, Curado MP, Koifman S, Menezes A, Wunsch-Filho V, Neto JE, Garrote LF, Boccia S, Cadoni G, Arzani D, **Olshan AF**, Weissler MC, Funkhouser WK, Luo J, Lubiński J, Trubicka J, Lener M, Oszutowska D, Schwartz SM, Chen C, Fish S, Doody DR, Muscat

- JE, Lazarus P, Gallagher CJ, Chang SC, Zhang ZF, Wei Q, Sturgis EM, Wang LE, Franceschi S, Herrero R, Kelsey KT, McClean MD, Marsit CJ, Nelson HH, Romkes M, Buch S, Nukui T, Zhong S, Lacko M, Manni JJ, Peters WH, Hung RJ, McLaughlin J, Vatten L, Njølstad I, Goodman GE, Field JK, Liloglou T, Vineis P, Clavel-Chapelon F, Palli D, Tumino R, Krogh V, Panico S, González CA, Quirós JR, Martínez C, Navarro C, Ardanaz E, Larrañaga N, Khaw KT, Key T, Bueno-de-Mesquita HB, Peeters PH, Trichopoulou A, Linseisen J, Boeing H, Hallmans G, Overvad K, Tjønneland A, Kumle M, Riboli E, Vålk K, Voodern T, Metspalu A, Zelenika D, Boland A, Delepine M, Foglio M, Lechner D, Blanché H, Gut IG, Galan P, Heath S, Hashibe M, Hayes RB, Boffetta P, Lathrop M, Brennan P. A Genome-Wide Association Study of Upper Aerodigestive Tract Cancers Conducted within the INHANCE Consortium. *PLoS Genet.* 2011 Mar;7(3):e1001333. Epub 2011 Mar 17. PMID: PMC3060072
174. Lubin JH, Muscat J, Gaudet MM, **Olshan AF**, Curado MP, Dal Maso L, Wünsch-Filho V, Sturgis EM, Szeszenia-Dabrowska N, Castellsague X, Zhang ZF, Smith E, Fernandez L, Matos E, Franceschi S, Fabianova E, Rudnai P, Purdue MP, Mates D, Wei Q, Herrero R, Kelsey K, Morgenstern H, Shangina O, Koifman S, Lissowska J, Levi F, Daudt AW, Neto JE, Chen C, Lazarus P, Winn DM, Schwartz SM, Boffetta P, Brennan P, Menezes A, Vecchia CL, McClean M, Talamini R, Rajkumar T, Hayes RB, Hashibe M. An examination of male and female odds ratios by BMI, cigarette smoking, and alcohol consumption for cancers of the oral cavity, pharynx, and larynx in pooled data from 15 case-control studies. *Cancer Causes Control.* 22:1217–1231, 2011. PMID: PMC3304584
175. Linabery AM, Slater ME, Spector LG, **Olshan AF**, Stork SK, Roesler MA, Reaman GH, Ross JA. Feasibility of neonatal blood spot retrieval amid evolving state policies (2009-2010): A Children's Oncology Group study. *Paediatr Perinat Epidemiol.* 25(6):549-58, 2011. PMID: PMC3664237
176. Ang MK, Patel MR, Yin XY, Fritchie K, Zhao N, Liu Y, Wilkerson M, Weissler MC, Shockley W, Couch ME, Zanation AM, Hackman T, Chera B, Harris SL, Miller CR, Thorne LB, Hayward MC, Funkhouser wk, **Olshan AF**, Shores CG, Hayes DN. High XRCC1 expression is associated with poorer survival in patients with head and neck squamous cell carcinoma. *Clinical Cancer Research,* 17:6542-52, 2011. PMID: 21908577
177. *Hakenewerth AM, Millikan RC, Rusyn I, Herring AH, North KE, Barnholtz-Sloan JS, Funkhouser WF, Weissler MC, **Olshan AF**. Joint Effects of Alcohol Consumption and Polymorphisms in Alcohol and Oxidative Stress Metabolism Genes on Risk of Head and Neck Cancer. *Cancer Epidemiology, Biomarkers & Prevention,* 20:2438-49, 2011. PMID: PMC3210881
178. Li Q, Chuang S Neto JE 4, Menezes A, Matos E, Koifman S, Wünsch-Filho V, Fernandez L, Daudt AW, Curado MP, Winn DM, Franceschi S, Herrero R, Castellsague X, Morgenstern H, Zhang ZF, Lazarus P, Muscat J, McClean M, Kelsey KT, Hayes RB, Purdue MP, Schwartz SM, Chen C, Benhamou S, **Olshan AF**, Yu G, Schantz S, Ferro G, Brennan P, Boffetta P, Hashibe M. Vitamin or mineral supplement intake and the risk of head and neck cancer: pooled analysis in the INHANCE consortium. *Int J Cancer.,* 131:1686-99, 2012 PMID: PMC3376697

179. *Myers SL, Baird DD, **Olshan AF**, Herring AH, Schroeder JC, Nylander-French LA, Hartmann KE. Self-Reported Versus Ultrasound Measurement of Uterine Fibroid Status. *J Womens Health*, 21:285-93, 2012 PMID: PMC3298676
180. * Stott-Miller M, Chen C, Chuang SC, Lee YC, Boccia S, Brenner H, Cadoni G, Dal Maso L, La Vecchia C, Lazarus P, Levi F, Matsuo K, Morgenstern H, Muller H, Muscat JE, **Olshan AF**, Purdue MP, Serraino D, Vaughan TL, Zhang ZF, Boffetta P, Hashibe M, Schwartz SM. History of Diabetes and risk of head and neck cancer: a pooled analysis from the International Head and Neck Cancer Epidemiology (INHANCE) Consortium. *Cancer Epidemiol Biomarkers Prev.*, 21: 294-304, 2012 PMID: PMC3275674
181. Chuang SC, Jenab M, Heck JE, Bosetti C, Talamini R, Matsuo K, Castellsague X, Franceschi S, Herrero R, Winn DM, Vecchia CL, Morgenstern H, Zhang ZF, Levi F, Maso LD, Kelsey K, McClean MD, Vaughan T, Lazarus P, Muscat J, Ramroth H, Chen C, Schwartz SM, Eluf-Neto J, Hayes RB, Purdue M, Boccia S, Cadoni G, Zaridze D, Koifman S, Curado MP, Ahrens W, Benhamou S, Matos E, Lagiou P, Szeszenia-Dabrowska N, **Olshan AF**, Fernandez L, Menezes A, Agudo A, Daudt AW, Merletti F, Macfarlane GJ, Kjaerheim K, Mates D, Holcatova I, Schantz S, Yu GP, Simonato L, Brenner H, Mueller H, Conway DI, Thomson P, Fabianova E, Znaor A, Rudnai P, Healy CM, Ferro G, Brennan P, Boffetta P, Hashibe M. Diet and the risk of head and neck cancer: a pooled analysis in the INHANCE consortium. *Cancer Causes Control*. 23:69-88, 2012. PMID: PMC3654401
182. Yeatts KB, El-Sadig M, Leith D, Kalsbeek W, Al-Maskari F, Couper D, Funk WE, Zoubeydi T, Chan RL, Trent CB, Davidson CA, Boundy MG, Kassab MM, Hasan MY, Rusyn I, MacDonald Gibson J, **Olshan AF**. Indoor Air Pollutants and Health in the United Arab Emirates (UAE). *Environmental Health Perspectives*. 120:687-94, 2012. PMID: PMC3346777
183. Yeatts KB, El-Sadig M, Habiba IA, Al-Maskari F, Campbell A, Ng SW, Reeves L, Chan RL, Davidson CA, Funk WE, Boundy MG, Leith D, Popkin B, MacDonald Gibson J, Rusyn I, **Olshan AF**. Conducting Environmental Health Research in the Arabian Middle East: Lessons and Opportunities. *Environmental Health Perspectives*, 120:632-6, 2012. PMID: PMC3346772
184. *Desrosiers TA, Lawson CC, Meyer RE, Richardson DB, Daniels JL, Waters MA, van Wijngaarden E, Langlois PH, Romitti PA, Correa A, **Olshan A**; and the National Birth Defects Prevention Study. Maternal occupational exposure to organic solvents during early pregnancy and risks of neural tube defects and orofacial clefts. *Occup Environ Med*. 69:493-9, 2012. PMID: 22447643
185. Bradshaw PT, Siega-Riz AM, Campbell M, Weissler MC, Funkhouser WK, **Olshan AF**. Associations Between Dietary Patterns and Head and Neck Cancer: The Carolina Head and Neck Cancer Epidemiology Study. *Am J Epidemiol*. 175:1225-33, 2012. PMID: PMC3372316

186. *Divaris K, Monda KL, North KE, **Olshan AF**, Lange EM, Moss K, Barros SP, Beck JD, Offenbacher S. Genome-wide association study of periodontal pathogen colonization. *J Dent Res.* Jul;91(7 Suppl):S21-8, 2012. PMID: PMC3383103
187. Hodgson ME, **Olshan AF**, North KE, Poole CL, Zeng D, Tse CK, Keku TO, Galanko J, Sandler R, Millikan RC. The case-only independence assumption: associations between genetic polymorphisms and smoking among controls in two population-based studies. *Int J Mol Epidemiol Genet.* 3:333-60, 2012. PMID: PMC3508536
188. Zhao N, Ang MK, Yin XY, Patel MR, Fritchie K, Thorne L, Muldrew K, Hayward MC, Sun W, Wilkerson MD, Chera BS, Hackman T, Zanation AM, Grilley-Olson J, Couch ME, Shockley WW, Weissler MC, Shores CG, Funkhouser WK, **Olshan AF**, Hayes DN. Different Cellular p16INK4a Localization may Signal Different Survival Outcomes in Head and Neck Cancer. *British J Cancer*, Jun 26. Epub ahead of print, 2012.
189. Lin S, Herdt-Losavio ML, Chapman BR, Munsie JP, **Olshan AF**, Druschel CM; the National Birth Defects Prevention Study. Maternal occupation and the risk of major birth defects: A follow-up analysis from the National Birth Defects Prevention Study. *Int J Hyg Environ Health.* 2012 Jun 11. [Epub ahead of print] PMID: PMC3405208
190. Stingone JA, Funkhouser WK, Weissler MC, Bell ME, **Olshan AF**. Racial differences in the relationship between tobacco, alcohol, and squamous cell carcinoma of the head and neck. *Cancer Causes and Control.* 2012 Jun 7. [Epub ahead of print] PMID: PMC3698868
191. Reeve BB, Cai J, Zhang H, Choi J, Weissler MC, Cella D, **Olshan AF**. Health-related quality of life differences between African-Americans and non-Hispanic whites with head and neck cancer. *Head Neck.* Aug 21. doi: 10.1002/hed.23115, 2012. PMID: 22907719
192. Razzaghi H, Troester MA, Gierach GL, **Olshan AF**, Yankaskas BC, Millikan RC. Mammographic density and breast cancer risk in White and African American Women. *Breast Cancer Res Treat.*, 135:571-80, 2012. PMID: PMC3734952
193. Lupo PJ, Canfield MA, Chapa C, Lu W, Agopian AJ, Mitchell LE, Shaw GM, Waller DK, **Olshan AF**, Finnell RH, Zhu H. Diabetes and Obesity-Related Genes and the Risk of Neural Tube Defects in the National Birth Defects Prevention Study. *Am J Epidemiol.*, 176:1101-9, 2012. PMID: PMC3571234
194. McCullough LE, Santella RM, Cleveland RJ, Bradshaw PT, Millikan RC, North KE, **Olshan AF**, Eng SM, Ambrosone CB, Ahn J, Steck SE, Teitelbaum SL, Neugut AI, Gammon MD. Polymorphisms in oxidative stress genes, physical activity, and breast cancer risk. *Cancer Causes Control.* 23(12):1949-58, 2012. PMID: 23053794
195. *Divaris K, Monda KL, North KE, **Olshan AF**, Lange EM, Moss K, Barros SP, Beck JD, Offenbacher S. Genome-wide association study of periodontal pathogen colonization. *J Dent Res.* 91(7 Suppl):21S-28S, 2012. PMID: PMC3383103
196. Spector LG, Ross JA, **Olshan AF**; on behalf of the COG Epidemiology Committee. Children's Oncology Group's 2013 blueprint for research: Epidemiology. *Pediatr*

Blood Cancer, 60:1059-62, 2013. PMCID: PMC3726183

197. Funk WE, McGee JK, **Olshan AF**, Ghio AJ. Quantification of arsenic, lead, mercury and cadmium in newborn dried blood spots. *Biomarkers*. 18(2):174-7, 2013. PMCID: PMC3687773
198. *Divaris K, Monda KL, North KE, **Olshan AF**, Reynolds LM, Hsueh WC, Lange EM, Moss K, Barros SP, Weyant RJ, Liu Y, Newman AB, Beck JD, Offenbacher S. Exploring the genetic basis of chronic periodontitis: a genome-wide association study. *Hum Mol Genetics*. [IF: 7.636] *In press* PMCID: PMC3652417
199. Walter V, Yin X, Wilkerson MD, Cabanski CR, Zhao N, Du Y, Ang MK, Hayward MC, Salazar AH, Hoadley KA, Fritchie K, Sailey CG, Weissler MC, Shockley WW, Zanation AM, Hackman T, Thorne LB, Funkhouser WD, Muldrew KL, **Olshan AF**, Randell SH, Wright FA, Shores CG, Hayes DN. Molecular subtypes in head and neck cancer exhibit distinct patterns of chromosomal gain and loss of canonical cancer genes. *PLoS One*. 2013;8(2):e56823. doi: 10.1371/journal.pone.0056823. Epub 2013 Feb 22. PMCID: PMC3579892
200. Makelarski JA, Romitti PA, Sun L, Burns TL, Druschel CM, Suarez L, **Olshan AF**, Siega-Riz AM, Olney RS; and the National Birth Defects Prevention Study. Periconceptional maternal alcohol consumption and neural tube defects. *Birth Defects Res A Clin Mol Teratol.*, 97:152-60, 2013. PMID: 23456758
201. Sotres-Alvarez D, Siega-Riz AM, Herring AH, Carmichael SL, Feldkamp ML, Hobbs CA, **Olshan AF**; the National Birth Defects Prevention Study. Maternal dietary patterns are associated with risk of neural tube and congenital heart defects. *Am J Epidemiol.*, 177:1279-88, 2013. PMCID: PMC3664332
202. *Hakenewerth AM, Millikan RC, Rusyn I, Herring AH, Weissler MC, Funkhouser WK, North KE, Barnholtz-Sloan JS, **Olshan AF**. Effects of polymorphisms in alcohol metabolism and oxidative stress genes on survival from head and neck cancer. *Cancer Epidemiol.*, 37:479-91, 2013. PMCID: PMC3725265
203. Yanik EL, Napravnik S, Cole SR, Achenbach CJ, Gopal S, **Olshan A**, Dittmer DP, Kitahata MM, Mugavero MJ, Saag M, Moore RD, Mayer K, Mathews WC, Hunt PW, Rodriguez B, Eron JJ. Incidence and timing of cancer in HIV-infected individuals following initiation of combination antiretroviral therapy. *Clin Infect Dis*. 2013 Jun 4. [Epub ahead of print] PMID: 23735330
204. *Wyss AB, Herring AH, Avery C, Weissler MC, Bensen JT, Barnholtz-Sloan JS, Funkhouser WK, **Olshan AF**. Single nucleotide polymorphisms in nucleotide excision repair genes, cigarette smoking, and the risk of head and neck cancer. *Cancer Epidemiol Biomarkers Prev.*, 22: 1428-45, 2013. PMID: 23720401
205. Razzaghi H, Troester MA, Gierach GL, **Olshan AF**, Yankaskas BC, Millikan RC. Association between mammographic density and basal-like and luminal A breast cancer subtypes. *Breast Cancer Res*. 2013;15:R76. [Epub ahead of print] PMID: 24008056.

206. Harmon QE, Engel SM, **Olshan AF**, Moran T, Stuebe AM, Luo J, Wu MC, Avery CL. Association of polymorphisms in natural killer cell-related genes with preterm birth. *Am J Epidemiol*. 2013;178(8):1208-18. PMID: 23982189
207. Leoncini E, Ricciardi W, Cadoni G, Arzani D, Petrelli L, Paludetti G, Brennan P, Luce D, Stucker I, Matsuo K, Talamini R, La Vecchia C, **Olshan AF**, Winn DM, Herrero R, Franceschi S, Castellsague X, Muscat J, Morgenstern H, Zhang ZF, Levi F, Dal Maso L, Kelsey K, McClean M, Vaughan TL, Lazarus P, Purdue MP, Hayes RB, Chen C, Schwartz SM, Shangina O, Koifman S, Ahrens W, Matos E, Lagiou P, Lissowska J, Szeszenia-Dabrowska N, Fernandez L, Menezes A, Agudo A, Daudt AW, Richiardi L, Kjaerheim K, Mates D, Betka J, Yu GP, Schantz S, Simonato L, Brenner H, Conway DI, Macfarlane TV, Thomson P, Fabianova E, Znaor A, Rudnai P, Healy C, Boffetta P, Chuang SC, Lee YC, Hashibe M, Boccia S. Adult height and head and neck cancer: a pooled analysis within the INHANCE Consortium. *Eur J Epidemiol*. 2013 Nov 24. [Epub ahead of print] PMID: 24271556.
208. **Olshan AF**, Kuo TM, Meyer AM, Nielsen ME, Purdue MP, Rathmell WK. Racial difference in histologic subtype of renal cell carcinoma. *Cancer Med*. 2013 Oct;2(5):744-9. doi: 10.1002/cam4.110. Epub 2013 Aug 6. PubMed PMID: 24403240.
209. Edwards JK, Cole SR, Chu H, **Olshan AF**, Richardson DB. Accounting for Outcome Misclassification in estimates of the effect of occupational asbestos exposure on lung cancer death. *Am J Epidemiol*. 2013 Dec 18. [Epub ahead of print] PubMed PMID: 24352593.
210. Marks MA, Chaturvedi AK, Kelsey K, Straif K, Berthiller J, Schwartz SM, Smith E, Wyss A, Brennan P, **Olshan AF**, Wei Q, Sturgis EM, Zhang ZF, Morgenstern H, Muscat J, Lazarus P, McClean M, Chen C, Vaughan TL, Wunsch-Filho V, Curado MP, Koifman S, Matos E, Menezes A, Daudt AW, Fernandez L, Posner M, Boffetta P, Lee YC, Hashibe M, D'Souza G. Association of marijuana smoking with oropharyngeal and oral tongue cancers: Pooled analysis from the INHANCE consortium. *Cancer Epidemiol Biomarkers Prev*. 2013 Dec 18. [Epub ahead of print] PubMed PMID: 24351902.
211. Palmer JR, Ambrosone CB, **Olshan AF**. A collaborative study of the etiology of breast cancer subtypes in African American women: the AMBER consortium. *Cancer Causes Control*. 2013 Dec 17. [Epub ahead of print] PubMed PMID: 24343304.
212. *Petrick JL, Gaudet MM, Weissler MC, Funkhouser WK, **Olshan AF**. Body mass index and risk of head and neck cancer by race: the Carolina Head and Neck Cancer Epidemiology Study. *Ann Epidemiol*. 2013 Nov 16. pii: S1047-2797(13)00420-1. doi: 10.1016/j.annepidem.2013.11.004. [Epub ahead of print] PubMed PMID: 24342030.
213. Lupo PJ, Mitchell LE, Canfield MA, Shaw GM, **Olshan AF**, Finnell RH, Zhu H; The National Birth Defects Prevention Study. Maternal-fetal metabolic gene-gene interactions and risk of neural tube defects. *Mol Genet Metab*. 2013 Nov 18. pii: S1096-7192(13)00371-5. doi: 10.1016/j.ymgme.2013.11.004. [Epub ahead of print] PubMed PMID: 24332798.
214. Rager JE, Bailey KA, Smeester L, Miller SK, Parker JS, Laine JE, Drobná Z,

- Currier J, Douillet C, **Olshan AF**, Rubio-Andrade M, Stýblo M, García-Vargas G, Fry RC. Prenatal arsenic exposure and the epigenome: Altered microRNAs associated with innate and adaptive immune signaling in newborn cord blood. *Environ Mol Mutagen.* 2013 Dec 10. doi: 10.1002/em.21842. [Epub ahead of print] PubMed PMID: 24327377.
215. Leoncini E, Ricciardi W, Cadoni G, Arzani D, Petrelli L, Paludetti G, Brennan P, Luce D, Stucker I, Matsuo K, Talamini R, La Vecchia C, **Olshan AF**, Winn DM, Herrero R, Franceschi S, Castellsague X, Muscat J, Morgenstern H, Zhang ZF, Levi F, Dal Maso L, Kelsey K, McClean M, Vaughan TL, Lazarus P, Purdue MP, Hayes RB, Chen C, Schwartz SM, Shangina O, Koifman S, Ahrens W, Matos E, Lagiou P, Lissowska J, Szeszenia-Dabrowska N, Fernandez L, Menezes A, Agudo A, Daudt AW, Richiardi L, Kjaerheim K, Mates D, Betka J, Yu GP, Schantz S, Simonato L, Brenner H, Conway DI, Macfarlane TV, Thomson P, Fabianova E, Znaor A, Rudnai P, Healy C, Boffetta P, Chuang SC, Lee YC, Hashibe M, Boccia S. Adult height and head and neck cancer: a pooled analysis within the INHANCE Consortium. *Eur J Epidemiol.* 2013 Nov 24. [Epub ahead of print] PubMed PMID: 24271556.
217. Patel MR, Zhao N, Ang MK, Stadler ME, Fritchie K, Weissler MC, Zanation AM, Harris SL, Funkhouser WK, **Olshan AF**, Shores CG, Hayes DN. ERCC1 protein expression is associated with differential survival in oropharyngeal head and neck squamous cell carcinoma. *Otolaryngol Head Neck Surg.* 2013 Oct;149(4):587-95. PubMed PMID: 23846458.
218. *Moshesh M, **Olshan AF**, Saldana T, Baird D. Examining the Relationship Between Uterine Fibroids and Dyspareunia Among Premenopausal Women in the United States. *J Sex Med.* 2014 Jan 28. doi: 10.1111/jsm.12425. [Epub ahead of print] PubMed PMID: 24467730.
219. Chen CT, Liu CT, Chen GK, Andrews JS, Arnold AM, Dreyfus J, Franceschini N, Garcia ME, Kerr KF, Li G, Lohman KK, Musani SK, Nalls MA, Raffel LJ, Smith J, Ambrosone CB, Bandera EV, Bernstein L, Britton A, Brzyski RG, Cappola A, Carlson CS, Couper D, Deming SL, Goodarzi MO, Heiss G, John EM, Lu X, Le Marchand L, Marcianti K, McKnight B, Millikan R, Nock NL, **Olshan AF**, Press MF, Vaiyda D, Woods NF, Taylor HA, Zhao W, Zheng W, Evans MK, Harris TB, Henderson BE, Kardia SL, Kooperberg C, Liu Y, Mosley TH, Psaty B, Wellons M, Windham BG, Zonderman AB, Cupples LA, Demerath EW, Haiman C, Murabito JM, Rajkovic A. Meta-analysis of Loci Associated with Age at Natural Menopause in African-American Women. *Hum Mol Genet.* 2014 Feb 2. [Epub ahead of print] PubMed PMID: 24493794.
220. *Wyss AB, Weissler MC, Avery CL, Herring AH, Bensen JT, Barnholtz-Sloan JS, Funkhouser WK, **Olshan AF**. Single nucleotide polymorphisms in nucleotide excision repair genes, cancer treatment, and head and neck cancer survival. *Cancer Causes Control.* 2014 Feb 2. [Epub ahead of print] PubMed PMID: 24487794.
221. Engel SM, Joubert BR, Wu MC, **Olshan AF**, Håberg SE, Ueland PM, Nystad W, Nilsen RM, Vollset SE, Peddada SD, London SJ. Neonatal Genome-Wide Methylation Patterns in Relation to Birth Weight in the Norwegian Mother and Child Cohort. *Am J Epidemiol.* 2014 Feb 20. [Epub ahead of print] PMID: 24561991

222. *Petrick JL, Wyss AB, Butler AM, Cummings C, Sun X, Poole C, Smith JS, **Olshan AF**. Prevalence of human papillomavirus among oesophageal squamous cell carcinoma cases: systematic review and meta-analysis. *Br J Cancer*. 2014 Mar 11. doi: 10.1038/bjc.2014.96. [Epub ahead of print] PMID: 24619077
223. Yanik EL, Napravnik S, Cole SR, Achenbach CJ, Gopal S, Dittmer DP, **Olshan AF**, Kitahata MM, Mugavero MJ, Saag M, Moore RD, Mathews WC, Hunt P, Eron JJ. Relationship of immunologic response to antiretroviral therapy with non-AIDS defining cancer incidence. *AIDS*. 2014 Apr 24;28(7):979-87. PMID: 24681415.
224. Bailey KA, Laine J, Rager JE, Sebastian E, **Olshan A**, Smeester L, Drobná Z, Styblo M, Rubio-Andrade M, García-Vargas G, Fry RC. Prenatal Arsenic Exposure and Shifts in the Newborn Proteome: Inter-Individual Differences in Tumor Necrosis Factor (TNF)-Responsive Signaling. *Toxicol Sci*. 2014 Mar 27. [Epub ahead of print] PMID: 24675094.
225. Harmon QE, Engel SM, Wu MC, Moran TM, Luo J, Stuebe AM, Avery CL, **Olshan AF**. Polymorphisms in Inflammatory Genes are Associated with Term Small for Gestational Age and Preeclampsia. *Am J Reprod Immunol*. 2014 Apr 4. doi: 10.1111/aji.12241. [Epub ahead of print] PMID:24702779
226. *Stingone JA, Luben TJ, Daniels JL, Fuentes M, Richardson DB, Aylsworth AS, Herring AH, Anderka M, Botto L, Correa A, Gilboa SM, Langlois PH, Mosley B, Shaw GM, Siffel C, **Olshan AF**; National Birth Defects Prevention Study. Maternal Exposure to Criteria Air Pollutants and Congenital Heart Defects in Offspring: Results from the National Birth Defects Prevention Study. *Environ Health Perspect*. 2014 Apr 11. [Epub ahead of print] PMID: 24727555.
227. Feng Y, Stram DO, Rhie SK, Millikan RC, Ambrosone CB, John EM, Bernstein L, Zheng W, **Olshan AF**, Hu JJ, Ziegler RG, Nyante S, Bandera EV, Ingles SA, Press MF, Deming SL, Rodriguez-Gil JL, Palmer JR, Olopade OI, Huo D, Adebamowo CA, Ogundiran T, Chen GK, Stram A, Park K, Rand KA, Chanock SJ, Le Marchand L, Kolonel LN, Conti DV, Easton D, Henderson BE, Haiman CA. A Comprehensive Examination of Breast Cancer Risk Loci in African American Women. *Hum Mol Genet*. 2014 May 22. pii: ddu252. [Epub ahead of print]
228. Conway DI, Brenner DR, McMahon AD, Macpherson LM, Agudo A, Ahrens W, Bosetti C, Brenner H, Castellsague X, Chen C, Curado MP, Curioni OA, Maso LD, Daudt AW, de Gois Filho JF, D'Souza G, Edefonti V, Fabianova E, Fernandez L, Franceschi S, Gillison M, Hayes RB, Healy CM, Herrero R, Holcatova I, Jayaprakash V, Kelsey K, Kjaerheim K, Koifman S, Vecchia CL, Laggiou P, Lazarus P, Levi F, Lissowska J, Luce D, Macfarlane TV, Mates D, Matos E, McClean M, Menezes AM, Menvielle G, Merletti F, Morgenstern H, Moysich K, Müller H, Muscat J, **Olshan AF**, Purdue MP, Ramroth H, Richiardi L, Rudnai P, Schantz S, Schwartz SM, Shangina O, Simonato L, Smith E, Stucker I, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Thomson P, Vaughan TL, Wei Q, Winn DM, Wunsch-Filho V, Yu GP, Zhang ZF, Zheng T, Znaor A, Boffetta P, Chuang SC, Amy Lee YC, Hashibe M, Brennan P. Estimating and explaining the effect of education and income on head and neck cancer risk: INHANCE consortium pooled analysis of 31 case-control studies from 27 countries. *Int J Cancer*. 2014 Jul 4. doi: 10.1002/ijc.29063. [Epub ahead of print] PubMed

PMID: 24996155.

229. Galeone C, Edefonti V, Parpinel M, Leoncini E, Matsuo K, Talamini R, **Olshan AF**, Zevallos JP, Winn DM, Jayaprakash V, Moysich K, Zhang ZF, Morgenstern H, Levi F, Bosetti C, Kelsey K, McClean M, Schantz S, Yu GP, Boffetta P, Amy Lee YC, Hashibe M, La Vecchia C, Boccia S. Folate intake and the risk of oral cavity and pharyngeal cancer: A pooled analysis within the INHANCE Consortium. *Int J Cancer*. 2014 Jun 26. doi: 10.1002/ijc.29044. [Epub ahead of print] PubMed PMID: 24974959.
230. Robinson WR, Tse CK, **Olshan AF**, Troester MA. Body size across the life course and risk of premenopausal and postmenopausal breast cancer in Black women, the Carolina Breast Cancer Study, 1993-2001. *Cancer Causes Control*. 2014 Jun 13. [Epub ahead of print] PubMed PMID: 24924530.
231. Hair BY, Hayes S, Tse CK, Bell MB, **Olshan AF**. Racial differences in physical activity among breast cancer survivors: Implications for breast cancer care. *Cancer*. 2014 Jul 15;120(14):2174-82. doi: 10.1002/cncr.28630. Epub 2014 Jun 9. PMID: 24911404; PMCID: PMC4079841.
232. Meyer AM, **Olshan AF**, Green L, Meyer A, Wheeler SB, Basch E, Carpenter WR. Big data for population-based cancer research: the Integrated Cancer Information and Surveillance System. *N C Med J*. 75(4):265-9, 2014.
233. Allott EH, Tse CK, **Olshan AF**, Carey LA, Moorman PG, Troester MA. Non-steroidal anti-inflammatory drug use, hormone receptor status, and breast cancer-specific mortality in the Carolina Breast Cancer Study. *Breast Cancer Res Treat*. 2014 Aug 24. [Epub ahead of print]
234. Blanke KL, Sacco JC, Millikan RC, **Olshan AF**, Luo J, Trepanier LA. Polymorphisms in the carcinogen detoxification genes CYB5A and CYB5R3 and breast cancer risk in African American women. *Cancer Causes Control*. 2014 Sep 16. [Epub ahead of print] PMID: 25225034.
235. Sanders AP, Desrosiers TA, Warren JL, Herring AH, Enright D, **Olshan AF**, Meyer RE, Fry RC. Association between arsenic, cadmium, manganese, and lead levels in private wells and birth defects prevalence in North Carolina: a semi-ecologic study. *BMC Public Health*. 2014 Sep 15;14(1):955. PMID: 25224535.
236. Palmer JR, Viscidi E, Troester MA, Hong CC, Schedin P, Bethea TN, Bandera EV, Borges V, McKinnon C, Haiman CA, Lunetta K, Kolonel LN, Rosenberg L, **Olshan AF**, Ambrosone CB. Parity, Lactation, and Breast Cancer Subtypes in African American Women: Results from the AMBER Consortium. *J Natl Cancer Inst*. 2014 Sep 15;106(10). PMID: 25224496.
237. Laine JE, Bailey KA, Rubio-Andrade M, **Olshan AF**, Smeester L, Drobná Z, Herring AH, Stýblo M, García-Vargas GG, Fry RC. Maternal Arsenic Exposure, Arsenic Methylation Efficiency, and Birth Outcomes in the Biomarkers of Exposure to ARsenic (BEAR) Pregnancy Cohort in Mexico. *Environ Health Perspect*. 2014 Oct 17. [Epub ahead of print] PubMed PMID: 25325819.

238. Family L, Bensen JT, Troester MA, Wu MC, Anders CK, **Olshan AF**. Single-nucleotide polymorphisms in DNA bypass polymerase genes and association with breast cancer and breast cancer subtypes among African Americans and Whites. *Breast Cancer Res Treat.* 2014 Nov 23. [Epub ahead of print]
239. Linabery AM, Li W, Roesler MA, Spector LG, Gamis A, **Olshan AF**, Heerema NA, Ross JA. Immune-related conditions and acute leukemia in children with Down syndrome: A Children's Oncology Group report. *Cancer Epidemiol Biomarkers Prev.* 2014 Dec 10. ii: cebp.1181.2014. [Epub ahead of print]
240. Edefonti V, Hashibe M, Parpinel M, Turati F, Serraino D, Matsuo K, **Olshan AF**, Zevallos JP, Winn DM, Moysich K, Zhang ZF, Morgenstern H, Levi F, Kelsey K, McClean M, Bosetti C, Galeone C, Schantz S, Yu GP, Boffetta P, Amy Lee YC, Chuang SC, La Vecchia C, Decarli A. Natural vitamin C intake and the risk of head and neck cancer: A pooled analysis in the International Head and Neck Cancer Epidemiology Consortium. *Int J Cancer.* 2014 Dec 8. doi: 10.1002/ijc.29388. [Epub ahead of print] PubMed PMID:5627906.
241. Toporcov TN, Znaor A, Zhang ZF, Yu GP, Winn DM, Wei Q, Vilensky M, Vaughan T, Thomson P, Talamini R, Szeszenia-Dabrowska N, Sturgis EM, Smith E, Shangina O, Schwartz SM, Schantz S, Rudnai P, Richiardi L, Ramroth H, Purdue MP, **Olshan AF**, Eluf-Neto J, Muscat J, Moyses RA, Morgenstern H, Menezes A, McClean M, Matsuo K, Mates D, Macfarlane TV, Lissowska J, Levi F, Lazarus P, Vecchia C, Lagiou P, Koifman S, Kjaerheim K, Kelsey K, Holcatova I, Herrero R, Healy C, Hayes RB, Franceschi S, Fernandez L, Fabianova E, Daudt AW, Curioni OA, Maso LD, Curado MP, Conway DI, Chen C, Castellsague X, Canova C, Cadoni G, Brennan P, Boccia S, Antunes JL, Ahrens W, Agudo A, Boffetta P, Hashibe M, Lee YC, Filho VW. Risk factors for head and neck cancer in young adults: a pooled analysis in the INHANCE consortium. *Int J Epidemiol.* 2015 Jan 22. pii: dyu255. [Epub ahead of print] PubMed PMID: 25613428.
242. Hair B, Troester MA, Edmiston SN, Parrish EA, Robinson WR, Wu MC, **Olshan AF**, Swift-Scanlan T, Conway K. Body Mass Index is Associated with Gene Methylation in Estrogen Receptor-Positive Breast Tumors. *Cancer Epidemiol Biomarkers Prev.* 2015 Jan 12. pii: cebp.1017.2014. [Epub ahead of print] PubMed PMID: 25583948.
243. Butler AM, **Olshan AF**, Kshirsagar AV, Edwards JK, Nielsen ME, Wheeler SB, Brookhart MA. Cancer Incidence Among US Medicare ESRD Patients Receiving Hemodialysis, 1996-2009. *Am J Kidney Dis.* 2015 Feb 6. pii: S0272-6386(15)00017-7. doi: 10.1053/j.ajkd.2014.12.013. [Epub ahead of print] PubMed PMID: 25662835.
244. Bethea TN, Rosenberg L, Hong CC, Troester MA, Lunetta KL, Bandera EV, Schedin P, Kolonel LN, **Olshan AF**, Ambrosone CB, Palmer JR. A case-control analysis of oral contraceptive use and breast cancer subtypes in the African American Breast Cancer Epidemiology and Risk Consortium. *Breast Cancer Res.* 2015 Dec;17(1):535. PMID: 25778371; PMCID: PMC4358874.
245. Choi J, Cai J, Zeng D, **Olshan AF**. Joint analysis of survival time and longitudinal categorical outcomes. *Statistics in Biosciences*, 7:19-47, 2015.

246. *Taylor NJ, Bensen JT, Poole C, Troester MA, Gammon MD, Luo J, Millikan RC, **Olshan AF**. Genetic variation in cell cycle regulatory gene AURKA and association with intrinsic breast cancer subtype. *Mol Carcinog*. 2014 Oct 18. doi: 10.1002/mc.22238. [Epub ahead of print] PMID: 25328151.
247. Pearce NE, Blair A, Vineis P, Ahrens W, Andersen A, Anto JM, Armstrong BK, Baccarelli AA, Beland FA, Berrington A, Bertazzi PA, Birnbaum LS, Brownson RC, Bucher JR, Cantor KP, Cardis E, Cherrie JW, Christiani DC, Cocco P, Coggon D, Comba P, Demers PA, Dement JM, Douwes J, Eisen EA, Engel LS, Fenske RA, Fleming LE, Fletcher T, Fontham E, Forastiere F, Frentzel-Beyme R, Fritschi L, Gerin M, Goldberg M, Grandjean P, Grimsrud TK, Gustavsson P, Haines A, Hartge P, Hansen J, Hauptmann M, Heederik D, Hemminki K, Hemon D, Hertz-Picciotto I, Hoppin JA, Huff J, Jarvholm B, Kang D, Karagas MR, Kjaerheim K, Kjuus H, Kogevinas M, Kriebel D, Kristensen P, Kromhout H, Laden F, Lebaillly P, LeMasters G, Lubin JH, Lynch CF, Lynge E, 't Mannetje A, McMichael AJ, McLaughlin JR, Marrett L, Martuzzi M, Merchant JA, Merler E, Merletti F, Miller A, Mirer FE, Monson R, Nordby KK, **Olshan AF**, Parent ME, Perera FP, Perry MJ, Pesatori AC, Pirastu R, Porta M, Pukkala E, Rice C, Richardson DB, Ritter L, Ritz B, Ronckers CM, Rushton L, Rusiecki JA, Rusyn I, Samet JM, Sandler DP, de Sanjose S, Schernhammer E, Seniori Constantini A, Seixas N, Shy C, Siemiatycki J, Silvermann DT, Simonato L, Smith AH, Smith MT, Spinelli JJ, Spitz MR, Stallones L, Stayner LT, Steenland K, Stenzel M, Stewart BW, Stewart PA, Symanski E, Terracini B, Tolbert PE, Vainio H, Vena J, Vermeulen R, Victora CG, Ward EM, Weinberg CR, Weisenburger D, Wesseling C, Weiderpass E, Zahm SH. IARC Monographs: 40 Years of Evaluating Carcinogenic Hazards to Humans. *Environ Health Perspect*. 2015 Feb 24. [Epub ahead of print] PubMed PMID: 25712798.
248. Khankari NK, Bradshaw PT, Steck SE, He K, **Olshan AF**, Shen J, Ahn J, Chen Y, Ahsan H, Terry MB, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. Dietary intake of fish, polyunsaturated fatty acids, and survival after breast cancer: A population-based follow-up study on Long Island, New York. *Cancer*. 2015 Mar 24. doi: 10.1002/cncr.29329. [Epub ahead of print] PubMed PMID: 25809414.
249. Bandera EV, Chandran U, Hong CC, Troester MA, Bethea TN, Adams-Campbell LL, Haiman CA, Park SY, **Olshan AF**, Ambrosone CB, Palmer JR, Rosenberg L. Obesity, body fat distribution, and risk of breast cancer subtypes in African American women participating in the AMBER Consortium. *Breast Cancer Res Treat*. 2015 Mar 26. [Epub ahead of print] PubMed PMID: 25809092.
250. Leoncini E, Edefonti V, Hashibe M, Parpinel M, Cadoni G, Ferraroni M, Serraino D, Matsuo K, **Olshan AF**, Zevallos JP, Winn DM, Moysich K, Zhang ZF, Morgenstern H, Levi F, Kelsey K, McClean M, Bosetti C, Schantz S, Yu GP, Boffetta P, Lee YC, Chuang SC, Decarli A, La Vecchia C, Boccia S. Carotenoid intake and head and neck cancer: a pooled analysis in the International Head and Neck Cancer Epidemiology Consortium. *Eur J Epidemiol*. 2015 May 1. [Epub ahead of print]
251. Edefonti V, Hashibe M, Parpinel M, Ferraroni M, Turati F, Serraino D, Matsuo K, **Olshan AF**, Zevallos JP, Winn DM, Moysich K, Zhang ZF, Morgenstern H, Levi F, Kelsey K, McClean M, Bosetti C, Schantz S, Yu GP, Boffetta P, Chuang SC, A Lee YC,

- La Vecchia C, Decarli A. Vitamin E intake from natural sources and head and neck cancer risk: a pooled analysis in the International Head and Neck Cancer Epidemiology consortium. *Br J Cancer*. 2015 May 19. [Epub ahead of print]
252. Reefhuis J, Gilboa SM, Anderka M, Browne ML, Feldkamp ML, Hobbs CA, Jenkins MM, Langlois PH, Newsome KB, **Olshan AF**, Romitti PA, Shapira SK, Shaw GM, Tinker SC, Honein MA; National Birth Defects Prevention Study. The national birth defects prevention study: A review of the methods. *Birth Defects Res A Clin Mol Teratol*. 2015 Jun 2. doi: 10.1002/bdra.23384. [Epub ahead of print]
253. Ambrosone CB, Zirpoli G, Hong CC, Yao S, Troester MA, Bandera EV, Schedin P, Bethea TN, Borges V, Park SY, Chandra D, Rosenberg L, Kolonel LN, **Olshan AF**, Palmer JR. Important Role of Menarche in Development of Estrogen Receptor-Negative Breast Cancer in African American Women. *J Natl Cancer Inst*. 2015;107(9). PMID: 26085483.
254. Desrosiers TA, Lawson CC, Meyer RE, Stewart PA, Waters MA, Correa A, **Olshan AF**; and the National Birth Defects Prevention Study. Assessed occupational exposure to chlorinated, aromatic and Stoddard solvents during pregnancy and risk of fetal growth restriction. *Occup Environ Med*. 2015 Jun 15. pii:oemed-2015-102835. doi: 10.1136/oemed-2015-102835. [Epub ahead of print] PubMed PMID: 26076683.
255. Berthiller J, Straif K, Agudo A, Ahrens W, Bezerra Dos Santos A, Boccia S, Cadoni G, Canova C, Castellsague X, Chen C, Conway D, Curado MP, Dal Maso L, Daudt AW, Fabianova E, Fernandez L, Franceschi S, Fukuyama EE, Hayes RB, Healy C, Herrero R, Holcatova I, Kelsey K, Kjaerheim K, Koifman S, Lagiou P, La Vecchia C, Lazarus P, Levi F, Lissowska J, Macfarlane T, Mates D, McClean M, Menezes A, Merletti F, Morgenstern H, Muscat J, **Olshan AF**, Purdue M, Ramroth H, Rudnai P, Schwartz SM, Serraino D, Shangina O, Smith E, Sturgis EM, Szeszenia-Dabrowska N, Thomson P, Vaughan TL, Vilensky M, Wei Q, Winn DM, Wünsch-Filho V, Zhang ZF, Znaor A, Ferro G, Brennan P, Boffetta P, Hashibe M, Lee YA. Low frequency of cigarette smoking and the risk of head and neck cancer in the INHANCE consortium pooled analysis. *Int J Epidemiol*. 2015 Jul 30. pii: dyv146. [Epub ahead of print] PubMed PMID: 26228584.
256. Boffetta P, Hayes RB, Sartori S, Lee YA, Muscat J, **Olshan A**, Winn DM, Castellsagué X, Zhang ZF, Morgenstern H, Chen C, Schwartz SM, Vaughan TL, Wunsch-Filho V, Purdue M, Koifman S, Curado MP, Vilensky M, Gillison M, Fernandez L, Menezes A, Daudt AW, Schantz S, Yu G, D'Souza G, Haddad RI, La Vecchia C, Hashibe M. Mouthwash use and cancer of the head and neck: a pooled analysis from the International Head and Neck Cancer Epidemiology Consortium. *Eur J Cancer Prev*. 2015 Aug 13. [Epub ahead of print]
257. Butler AM, Kshirsagar AV, **Olshan AF**, Nielsen ME, Wheeler SB, Brookhart MA. Trends in Anemia Management in Hemodialysis Patients with Cancer. *Am J Nephrol*. 2015 Oct 7;42(3):206-215. [Epub ahead of print] PMID: 26439712.
258. Sun X, Nichols HB, Robinson W, Sherman ME, **Olshan AF**, Troester MA. Post-diagnosis adiposity and survival among breast cancer patients: influence of breast cancer subtype. *Cancer Causes Control*. 2015 26:1803-11. PMID: 26428518.

259. Zhou J, Herring AH, Bhattacharya A, **Olshan AF**, Dunson DB; and The National Birth Defects Prevention Study. Nonparametric bayes modeling for case control studies with many predictors. *Biometrics*. 2015 Sep 22. doi: 10.1111/biom.12411. [Epub ahead of print] PMID: 26394204.
260. Khankari NK, Bradshaw PT, Steck SE, He K, **Olshan AF**, Shen J, Ahn J, Chen Y, Ahsan H, Terry MB, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. Polyunsaturated fatty acid interactions and breast cancer incidence: a population-based case-control study on Long Island, New York. *Ann Epidemiol*. 2015 Sep 14. pii: S1047-2797(15)00385-3. [Epub ahead of print] PubMed PMID: 26452606.
261. Sun X, Nichols HB, Tse CK, Bell MB, Robinson WR, Sherman ME, **Olshan AF**, Troester MA. Association of Parity and Time since Last Birth with Breast Cancer Prognosis by Intrinsic Subtype. *Cancer Epidemiol Biomarkers Prev*. 2015 Nov 6. pii: cebp.0864.2015. [Epub ahead of print] PubMed PMID: 26545404.
262. Busch EL, Zevallos JP, **Olshan AF**. Gastroesophageal reflux disease and odds of head and neck squamous cell carcinoma in North Carolina. *Laryngoscope*. 2015 Oct 9. doi: 10.1002/lary.25716. [Epub ahead of print] PubMed PMID: 26451875.
263. Rosenberg L, Bethea TN, Viscidi E, Hong CC, Troester MA, Bandera EV, Haiman CA, Kolonel LN, **Olshan AF**, Ambrosone CB, Palmer JR. Postmenopausal Female Hormone Use and Estrogen Receptor-Positive and -Negative Breast Cancer in African American Women. *J Natl Cancer Inst*. 2015 Nov 26;108(4). pii: djv361. Print 2016 Apr. PubMed PMID: 26613937.
264. Cheng TD, Ambrosone CB, Hong CC, Lunetta KL, Liu S, Hu Q, Yao S, Sucheston-Campbell L, Bandera EV, Ruiz-Narváez EA, Haddad S, Troester MA, Haiman CA, Bensen JT, **Olshan AF**, Palmer JR, Rosenberg L. Genetic Variants in the mTOR Pathway and Breast Cancer Risk in African American Women. *Carcinogenesis*. 2015 Nov 16. pii: bgv160. [Epub ahead of print] PubMed PMID: 26577839.
265. Yao S, Haddad SA, Hu Q, Liu S, Lunetta KL, Ruiz-Narvaez EA, Hong CC, Zhu Q, Sucheston-Campbell L, David Cheng TY, Bensen JT, Johnson CS, Trump DL, Haiman CA, **Olshan AF**, Palmer JR, Ambrosone CB. Genetic variations in vitamin D-related pathways and breast cancer risk in African American women in the AMBER Consortium. *Int J Cancer*. 2015 Dec 9. doi: 10.1002/ijc.29954. [Epub ahead of print] PubMed PMID: 26650177.
266. Williams LA, **Olshan AF**, Tse CK, Bell ME, Troester MA. Alcohol intake and invasive breast cancer risk by molecular subtype and race in the Carolina Breast Cancer Study. *Cancer Causes Control*. 2015 Dec 24. [Epub ahead of print] PubMed PMID: 26705260.
267. Allott EH, Cohen SM, Geradts J, Sun X, Khoury T, Bshara W, Zirpoli GR, Miller CR, Hwang H, Thorne LB, O'Connor S, Tse CK, Bell MB, Hu Z, Li Y, Kirk EL, Bethea TN, Perou CM, Palmer JR, Ambrosone CB, **Olshan AF**, Troester MA. Performance of three biomarker immunohistochemistry for intrinsic breast cancer subtyping in the AMBER consortium. *Cancer Epidemiol Biomarkers Prev*. 2015 Dec 28. pii:

cebp.0874.2015. [Epub ahead of print] PubMed PMID: 26711328.

268. Ruiz-Narváez EA, Haddad SA, Lunetta KL, Yao S, Bensen JT, Sucheston-Campbell LE, Hong CC, Haiman CA, **Olshan AF**, Ambrosone CB, Palmer JR. Gene-based analysis of the fibroblast growth factor receptor signaling pathway in relation to breast cancer in African American women: the AMBER consortium. *Breast Cancer Res Treat.* 2016 Jan 7. [Epub ahead of print] PubMed PMID: 26743380.
269. Cheng TY, Ambrosone CB, Hong CC, Lunetta KL, Liu S, Hu Q, Yao S, Sucheston-Campbell L, Bandera EV, Ruiz-Narváez EA, Haddad S, Troester MA, Haiman CA, Bensen JT, **Olshan AF**, Palmer JR, Rosenberg L. Genetic variants in the mTOR pathway and breast cancer risk in African American women. *Carcinogenesis.* 2016 Jan;37(1):49-55. doi: 10.1093/carcin/bgv160. Epub 2015 Nov 16. PubMed PMID: 26577839.
270. Warren JL, Stingone JA, Herring AH, Luben TJ, Fuentes M, Aylsworth AS, Langlois PH, Botto LD, Correa A, **Olshan AF**; National Birth Defects Prevention Study. Bayesian multinomial probit modeling of daily windows of susceptibility for maternal PM(2.5) exposure and congenital heart defects. *Stat Med.* 2016 Feb 7. doi: 10.1002/sim.6891. [Epub ahead of print] PubMed PMID: 26853919.
271. Zevallos JP, Mazul AL, Rodriguez N, Weissler MC, Brennan P, Anantharaman D, Abedi-Ardekani B, Neil Hayes D, **Olshan AF**. Previous tonsillectomy modifies odds of tonsil and base of tongue cancer. *Br J Cancer.* 2016 Mar 15. doi: 10.1038/bjc.2016.63. [Epub ahead of print] PubMed PMID: 26977858.
272. Butler EN, Tse CK, Bell ME, Conway K, **Olshan AF**, Troester MA. Active smoking and risk of Luminal and Basal-like breast cancer subtypes in the Carolina Breast Cancer Study. *Cancer Causes Control.* 2016 Jun;27(6):775-86. doi: 10.1007/s10552-016-0754-1. Epub 2016 May 6.
273. Zhang J, Yao S, Hu Q, Zhu Q, Liu S, Lunetta KL, Haddad SA, Yang N, Shen H, Hong CC, Sucheston-Campbell L, Ruiz-Narvaez EA, Bensen JT, Troester MA, Bandera EV, Rosenberg L, Haiman CA, **Olshan AF**, Palmer JR, Ambrosone CB. Genetic variations in the Hippo signaling pathway and breast cancer risk in African American women in the AMBER Consortium. *Carcinogenesis.* 2016 Aug 1. pii: bgw077. [Epub ahead of print] PubMed PMID: 27485598.
274. Winston JJ, Emch M, Meyer RE, Langlois P, Weyer P, Mosley B, **Olshan AF**, Band LE, Luben TJ; National Birth Defects Prevention Study. Hypospadias and maternal exposure to atrazine via drinking water in the National Birth Defects Prevention study. *Environ Health.* 2016 Jul 15;15(1):76. doi: 10.1186/s12940-016-0161-9. PubMed PMID: 27422386; PubMed Central PMCID: PMC4946150.
275. Chollet-Hinton L, Anders CK, Tse CK, Bell MB, Yang YC, Carey LA, **Olshan AF**, Troester MA. Breast cancer biologic and etiologic heterogeneity by young age and menopausal status in the Carolina Breast Cancer Study: a case-control study. *Breast Cancer Res.* 2016 Aug 4;18(1):79. doi: 10.1186/s13058-016-0736-y. PubMed PMID: 27492244; PubMed Central PMCID: PMC4972943.

276. Robinson WR, Nichols HB, Tse CK, **Olshan AF**, Troester MA. Associations of Premenopausal Hysterectomy and Oophorectomy With Breast Cancer Among Black and White Women: The Carolina Breast Cancer Study, 1993-2001. *Am J Epidemiol*. 2016 Aug 23. pii: kwv448. [Epub ahead of print] PubMed PMID: 27555487.
277. Mazul AL, Siega-Riz AM, Weinberg CR, Engel SM, Zou F, Carrier KS, Basta PV, Vaksman Z, Maris JM, Diskin SJ, Maxen C, Naranjo A, **Olshan AF**. A family-based study of gene variants and maternal folate and choline in neuroblastoma: a report from the Children's Oncology Group. *Cancer Causes Control*. 2016 Aug 19. [Epub ahead of print] PubMed PMID: 27541142.
278. Gong Z, Hong CC, Bandera EV, Adams-Campbell LL, Troester MA, Park SY, McInerney KA, Zirpoli G, **Olshan AF**, Palmer JR, Ambrosone CB, Rosenberg L. Vigorous physical activity and risk of breast cancer in the African American breast cancer epidemiology and risk consortium. *Breast Cancer Res Treat*. 2016 Aug 11. [Epub ahead of print] PubMed PMID: 27514396.
279. Mazul AL, Taylor JM, Divaris K, Weissler MC, Brennan P, Anantharaman D, Abedi-Ardekani B, **Olshan AF**, Zevallos JP. Oral health and human papillomavirus-associated head and neck squamous cell carcinoma. *Cancer*. 2016 Aug 29. doi: 10.1002/cncr.30312. [Epub ahead of print] PubMed PMID: 27571516.
280. Pinheiro LC, Samuel CA, Reeder-Hayes KE, Wheeler SB, **Olshan AF**, Reeve BB. Understanding racial differences in health-related quality of life in a population-based cohort of breast cancer survivors. *Breast Cancer Res Treat*. 2016 Sep 1. [Epub ahead of print] PubMed PMID: 27585477.
281. Rand KA, Song C, Dean E, Serie DJ, Curtin K, Sheng X, Hu D, Huff CA, Bernal-Mizrachi L, Tomasson MH, Ailwadhi S, Singhal S, Pawlish KS, Peters ES, BLock CH, Stram A, Van Den Berg DJ, Edlund CK, Conti DV, Zimmerman TM, Hwang AE, Huntsman S, Graff JJ, Nooka A, Kong Y, Pregja SL, Berndt SI, Blot WJ, Carpten JD, Casey G, Chu LW, Diver WR, Stevens VL, Lieber MR, Goodman PJ, Hennis AJ, Hsing AW, Mehta J, Kittles RA, Kolb S, Klein EA, Leske CM, Murphy AB, Nemesure B, Neslund-Dudas C, Strom SS, Vij R, Rybicki BA, Stanford JL, Signorello L, Witte JS, Ambrosone CB, Bhatti P, John EM, Bernstein L, Zheng W, **Olshan AF**, Hu JJ, Ziegler RG, Nyante SJ, Bandera EV, Birmann BM, Ingles SA, Press MF, Atanackovic D, Glenn M, Cannon-Albright L, Jones B, Tricot G, Martin TG, Kumar SK, Wolf JL, Deming SL, Rothman N, Brooks-Wilson A, Rajkumar SV, Kolonel LN, Chanock SJ, Slager SL, Severson RK, Janakirman N, Terebelo HJ, Brown EE, De Roos AJ, Mohrbacher A, Colditz GA, Giles GG, Spinelli JJ, Chiu BC, Munshi NC, Anderson KC, Levy J, Zonder JA, Orlowski RZ, Lonial S, Camp NJ, Vachon CM, Ziv E, Stram DO, Hazelett DJ, Cozen W. A meta-analysis of multiple myeloma risk regions in African and European ancestry populations identifies putatively functional loci. *Cancer Epidemiol Biomarkers Prev*. 2016 Sep 1. pii: cebp.1193.2015. [Epub ahead of print] PubMed PMID: 27587788.

282. Huo D, Feng Y, Haddad S, Zheng Y, Yao S, Han YJ, Ogundiran TO, Adebamowo C, Ojengbede O, Falusi AG, Zheng W, Blot W, Cai Q, Signorello L, John EM, Bernstein L, Hu JJ, Ziegler RG, Nyante S, Bandera EV, Ingles SA, Press MF, Deming SL, Rodriguez-Gil JL, Nathanson KL, Domchek SM, Rebbeck TR, Ruiz-Narváez EA, Sucheston-Campbell LE, Bensen JT, Simon MS, Hennis A, Nemesure B, Leske MC, Ambs S, Chen LS, Qian F, Gamazon ER, Lunetta KL, Cox NJ, Chanock SJ, Kolonel LN, **Olshan AF**, Ambrosone CB, Olopade OI, Palmer JR, Haiman CA. Genome-wide Association Studies in Women of African Ancestry Identified 3q26.21 as a Novel Susceptibility Locus for Estrogen Receptor Negative Breast Cancer. *Hum Mol Genet.* 2016 Sep 4. pii: ddw305. [Epub ahead of print] PubMed PMID: 27594435.

Editorials

Blatt J, Davenport M, **Olshan A**: The pediatric growth curve as a research tool. (editorial) *J. Pediatrics*, 134:138-40, 1999.

Olshan AF and Daniels JD: Pesticides and childhood cancer. Invited Commentary, *American Journal of Epidemiology*, 151:647-649, 2000.

Ross, JA, Spector, LG, **Olshan, AF**, Bunin, GR Birth certificates: A best control scenario? Invited Commentary, *American Journal of Epidemiology*, 159:922-924, 2004.

Ross JA and **Olshan AF**. Pediatric Cancer in the United States: The Children's Oncology Group Epidemiology Research Program. *Cancer Epidemiology Prevention & Biomarkers*, 13:1552-4, 2004.

Olshan AF. Are "Further Studies" Really Needed? If So, Which Ones?. *Epidemiology*, 4:544-5, 2008.

Olshan AF, Hobbs CA, Shaw GM. Discovery of Genetic Susceptibility Factors for Human Birth Defects: An Opportunity for a National Agenda. *Am J Med Genet A*. 155(8):1794-7. Epub 2011 Jul 7, 2011.

Evans JP, Berg JS, **Olshan AF**, Magnuson T, Rimer BK. We screen newborns, don't we?: realizing the promise of public health genomics. *Genet Med*. 15(5):332-4, 2013.

Other Publications

Olshan AF, Ambrosone CB, Barnholtz-Sloan JS, Berwick M, Palmer J, Thomas NE. Robert C. Millikan: in memoriam. *Cancer Epidemiol Biomarkers Prev*.22(1):176-7, 2013.

Lash TL, **Olshan AF**. EPIDEMIOLOGY Announces the "Validation Study" Submission Category. *Epidemiology*. 2016 Sep;27(5):613-4. doi: 10.1097/EDE.0000000000000532. PubMed PMID: 27388372.

Letters

Olshan AF. Wiedemann-Beckwith Syndrome, Wilms Tumor, Birth Weight, and IGF2. *American Journal of Medical Genetics*, 57:640, 1995.

Olshan AF, Savitz DA. Paternal Smoking and Birthweight. *American Journal of Public Health*, 85:1169, 1995.

Savitz, DA, **Olshan AF.** RE: Male and female factors in fertility. *American Journal of Epidemiology*, 141:1107-1108, 1995.

Published Abstracts (until 2007)

Olshan AF: Hominid sympatry at East Rudolf. *American Journal of Physical Anthropology* 42:321, 1975.

Olshan AF: A multivariate morphometric study of Meganthropus. *American Journal of Physical Anthropology* 44:196-197, 1976.

Cadien JD, **Olshan AF:** Factor analysis of gene frequencies: Patterns of evolutionary processes. *American Journal of Physical Anthropology* 47:122, 1977.

Olshan AF: A taxonomic study of *Dryopithecus macedoniensis*. *American Journal of Physical Anthropology* 50:468, 1979.

Olshan AF, Campbell MA: Orthogonal mapping: A method for analysis of malformations in cultured embryos. *Teratology* 25:65A, 1982.

Olshan AF, Faustman-Watts E: Investigation of nitrosatable drug ingestion and adverse pregnancy outcome. *Teratology* 33:61C, 1986.

Olshan AF, Baird PA, Teschke K: Paternal occupation and the risk of Down syndrome. *Genome* 30 (suppl. 1) 240, 1988.

Olshan AF, Baird PA, Teschke K: Paternal occupation as a risk factor for birth defects. *American Journal of Epidemiology*, 128:911, 1988.

Olshan AF, Breslow NE, Falletta J, Grufferman S, Pendergrass T, Robison L, Strong L, Waskerwitz, Woods W, Hammond D: A case-control study of risk factors for Wilms' tumor: Report from the National Wilms' Tumor Study. *Medical and Pediatric Oncology* 16:413, 1988.

Grufferman S, **Olshan AF, Gula MJ, Maurer HM:** The role of active immunization in the etiology of childhood cancer: protective or simply proscribed ? *American Journal of Epidemiology*, 132:758, 1990.

Grufferman S, Gula MJ, **Olshan AF, Falletta JM, Ruyman FB, Buckley J, Pendergrass TW, Maurer HM:** Parents' use of recreational drugs and risk of rhabdomyosarcoma in their children. *American Journal of Epidemiology*, 134: 767, 1991.

Olshan AF, Baird PA, Lo KH: Socioeconomic status and the risk of birth defects. *American Journal of Epidemiology*, 134:778-779, 1991.

Grufferman S, Gula MJ, **Olshan AF**, Falletta JM, Buckley J, Pendergrass TW, Maurer HM: Absence of an association between parents' cigarette smoking and the risk of rhabdomyosarcoma in their children. *Paediatr Perinat Epidemiol*, 5:A17, 1991.

Grufferman S, Gula MJ, **Olshan AF**, Falletta JM, Buckley J, Pendergrass TW, Maurer HM: In Utero X-ray exposure and risk of childhood rhabdomyosarcoma. *Paediatr Perinat Epidemiol*, 5:A6-A7, 1991.

Grufferman S, Gula MJ, **Olshan AF**, Falletta JM, Buckley J, Pendergrass TW, Maurer HM: Experience with random digit telephone dialing for control selection in a case-control study of children. *Paediatr Perinat Epidemiol*, 5:A17-A18, 1991.

Olshan AF: Male-mediated developmental toxicity: Epidemiologic Evidence. *The Toxicologist*, 13:28, 1993.

Olshan AF, Schnitzer PG, Baird PA: Paternal age and the risk of congenital cardiac defects. *Teratology*, 47:431, 1993.

Schnitzer PG, **Olshan AF**, Erickson JD: Paternal occupation and the risk of birth defects in offspring. *Teratology*, 49:377, 1994.

Olshan AF, Weissler MC, Pei H, Conway K: p53 mutations in head and neck cancer: new data and evaluation of the mutational spectrum. *Head & Neck*, 16:516, 1994.

Olshan A, Watson MA, Smith J, Weissler M, Bell DA: Association of N-acetyltransferase 1 (NAT1) genotype and smoking in head and neck cancer. *Proc Am Assoc Cancer Res*, 38:2220, 1997.

Daniels JD, **Olshan AF**, Teschke K, et al., Parental residential pesticide exposure and the risk of neuroblastoma. *Am J Epidemiol* 147:S44, 1998.

De Roos AJ, **Olshan AF**, Teschke K, et al., Parental occupation and the risk of neuroblastoma in offspring: a case-control study. *Am J Epidemiol* 147:S86, 1998.

Watson MA, **Olshan A**, Weissler MC, Bell DA: XRCC1 polymorphisms (Arg194Trp and ARG399Gln) and risk for head and neck cancer. *Proc Am Assoc Cancer Res*, 41:557, 2000.

Schroeder JC, **Olshan AF**, Baric R, Dent G, Weinberg CR, Yount B, Cerhan J, Mandel J, Lynch CF, Shuman L, Tolbert P, Millikan R, Rothman N, Cantor K, Blair A case-control study of agricultural and non-occupational risk factors for t(14;18) non-Hodgkin's lymphoma. *Am J Epidemiol* 151:S29, 2000.

De Roos, AJ, **Olshan AF**, Teschke K, Poole C, Pollock BH, Bondy ML. Parental occupational exposures to chemicals and the incidence of neuroblastoma in offspring. *Am J Epidemiol* 151:S47, 2000.

Baris D, Garrity TJ, Telles JL, Heineman EF, **Olshan A**, Zahm SH. A cohort mortality study of Philadelphia firefighters. *Am J Epidemiol* 151:S84, 2000.

Morris RA, Jeffay SC, Strader LF, Evenson DP, **Olshan AF**, Lansdell LW, Perreault SD. Evaluation of sperm chromatin structure assay (SCSA®) in human sperm after simulated overnight shipment. *J. Andrology, Suppl.*, 54, 2003.

Jeffay SC, Strader LF, Morris RA, Schmid JE, **Olshan AF**, Lansdell LW, Perreault SD. Comparison of three methods for counting human spermatozoa. *J. Andrology, Suppl.*, 55, 2003.

Ross, JA, Blair, CK, Robison, LL, Smith, FO, **Olshan, AF**, Heerema, NA, Roesler, M. Maternal vitamin supplementation around the time of pregnancy and risk of leukemia in children with Down syndrome. *Cancer Epidemiology, Biomarkers & Prevention*, 13:1852S, 2004.

Huang, WY, **Olshan, AF**, Schwartz, SM, Berndt, SI, Chu, C, Hayes, RB. A pooled analysis of DNA repair polymorphisms and head and neck cancer risk. *Cancer Epidemiology, Prevention & Biomarkers*, 13:1931S, 2004.

Engel, SM, **Olshan, AF**, Savitz, DA, Thorp, J, Erichsen, HC, Chanock, SJ. Anti-inflammatory cytokine polymorphisms and risk of small-for-gestational age or spontaneous preterm birth. *American Journal of Epidemiology*, 159: Suppl. S, S34, 2004.

Gilboa, SM, Mendola, P, **Olshan, AF**, Herring, AH, Harness, C, Langlois, P. Case-control study of air quality and birth defects: Comparison of geocoded and nongeocoded populations. *American Journal of Epidemiology*, 159:Suppl. S, S48, 2004.

Jeffay, SC, Buus, RM, Strader, LF, **Olshan, AF**, Evenson, DP, Perreault, SD. Evaluation of chromomycin A(3) assay in human sperm after simulated overnight shipment. *Journal of Andrology, Suppl. S*, 91, 2004.

Gilboa, SM, Mendola, P, **Olshan, AF**, Langlois, P, Savitz, DA, Loomis, D, Herring, AH, Fixler, DE. Relationship between air quality and selected cardiac defects and oral clefts, seven county study, Texas, 1997-2000. *Epidemiology*, 16: S46-S47, 2005.

Jeffay SC, Buus RM, Strader LF, **Olshan AF**, Evenson DP, Perreault SD. Evaluation of chromomycin A3 (CMA) assay in human sperm after simulated overnight shipment, *J. Andrology* 25, Suppl., 91, 2004.

Strader L, Jeffay S, Herring A., **Olshan A.**, Bradley L., Smith J, Perreault S. Sperm count distributions in fertile men. *J. Andrology Suppl. March/April*, p. 78, 2005.

Jeffay SC, Strader LF, Buus RM, Evenson DP, **Olshan AF**, Herring AH, Bradley LE, Smith JC, Perreault SD. Relationships among semen endpoints used as indicators of sperm nuclear integrity. *J. Andrology Suppl.*, 55, 2006.

Luben TJ, **Olshan AF**, Herring AH, Jeffay S, Strader L, Chan RL, Savitz DA, Perreault, S.D. The Health Men Study: An evaluation of exposure to water disinfection by-products and sperm quality. *J. Andrology*. 28, Suppl., 55, 2007.

INVITED PRESENTATIONS:

Epidemiology of Childhood Cancers. National Cancer Institute Meeting: Perinatal Carcinogenesis: Current Directions, Frederick, Maryland, 1990.

Epidemiology and Genetics of Wilms' Tumor. Department of Human Genetics, University of Pittsburgh, 1990.

Male-Mediated Developmental Toxicity: Paternal Exposures and Birth Defects. North Carolina Medical Genetics Association Meeting, 1992.

Male-Mediated Developmental Toxicity: Epidemiologic Perspectives. Department of Epidemiology, Johns Hopkins University, 1992.

Monitoring the Human Population for Genotoxic Effects: Epidemiologic Approaches to the Study of Male-Mediated Teratogenesis. Genotoxicity and Environmental Mutagen Society Annual Meeting, Raleigh, North Carolina, 1992.

Cyclosporin A: Review of genotoxicity and potential for adverse human reproductive effects. International Commission for Protection Against Environmental Mutagens and Carcinogens, 26th Annual Meeting, Compiègne, France, 1993.

Male-mediated developmental toxicity: Epidemiologic Evidence. Symposium: Male Mediated Developmental Toxicity: Fact or Fiction?, Annual Meeting of The Society of Toxicology, New Orleans, 1993.

Paternal Occupation and Neural Tube Defects. International Conference on Neural Tube Defects, Harlingen, Texas, 1993.

Molecular Epidemiology of Head and Neck Cancer. University of Michigan Cancer Center, 1997.

Molecular Epidemiology of Head and Neck Cancer. National Institute of Dental Research, 1998.

Parental Occupation and Childhood Cancer. Children's Environmental Health and Safety Task Force (CDC, ATSDR, EPA, NCI, DOE, NIEHS). Cancer Work Group Meeting. Washington, DC., 1998.

Molecular Epidemiology: Prospects and Strategies. Committee on Developmental Toxicity. National Research Council. Washington, DC, June, 1998.

Agent Orange Health Effect Review: Methodology. Committee on Health Effects Associated with Exposures Experienced During the Gulf War. Institute of Medicine. Washington, DC, June, 1999.

Molecular Epidemiology in the Environmental Genome Project. Division of Extramural Research and Training, National Institute of Environmental Health Sciences, Planning Retreat, January 11, 2000, Pinehurst, NC.

The Human Story: Where are We Now? Symposium on Male-Mediated Developmental Toxicity, Teratology Society Meeting, Montreal, June 24, 2001.

Head and Neck Cancer as a Model for Gene-Environment Interaction. 13th Conference of the International Society for Environmental Epidemiology, Symposium on Gene-Environment Interaction, September 2-5, 2001, Garmisch-Partenkirchen, Germany.

The Human Story- Where are we now? March of Dimes Symposium, Male-Mediated Developmental Toxicity, Teratology Society Meeting, Montreal, June 24, 2001.

Head and Neck Cancer as a Model for Gene-Environment Interaction. University of Minnesota Cancer Center, Minneapolis, February 5, 2002.

NC Center for Birth Defects Research and Prevention. NC Statewide Joint Maternal-Fetal Medicine Joint Meeting. Chapel Hill, NC, April 11, 2003.

Cancer and the Environment. Cancer Issues 2003. National Press Foundation. Washington, DC, October 22, 2003.

Environment and childhood cancer: challenges and prospects. International Childhood Cohort Consortium meeting. Rockville, MD, September 28, 2005.

Birth Defects and Childhood Cancer: Epidemiologic Approaches and Opportunities. National Cancer Institute Meeting on Epidemiology of Birth Defects and Cancer, February 13, 2006.

Childhood Cancer as a Model for Developmental Disorders. Symposium on the role of environmental toxicity and human disease, Society of Toxicology Annual Meeting, Charlotte, NC, March 26, 2007.

Environment, Epidemiology, and Childhood Cancer: At a Crossroads? Hacettepe University Institute of Oncology, Ankara, June 26, 2007.

Environment, Epidemiology, and Childhood Cancer: At a Crossroads? National Institute of Environmental Health Sciences, July 16, 2007.

Formaldehyde Studies. Current Topics in Occupational and Environmental Cancer. National Cancer Institute. November 28, 2007.

Rapid Case Ascertainment. Cancer Control and Population Science Directors and Program Leaders Meeting. Sixth Annual AACR International Conference Frontiers in Cancer Prevention, December 6, 2007.

Integrating Biomarkers Into Population Research. School of Social and Family Dynamics Center for Population Dynamics, Arizona State University, Tempe, AZ. April 7, 2009.

Epidemiology as Translational Science. University of Ulm, Ulm, Germany, July 29, 2009.

The Epidemiology of Childhood Cancer: Lessons Learned and What's Next. Texas Children's Hospital, Houston, Texas, March 4, 2010.

The Epidemiology of Neuroblastoma. Children's Neuroblastoma Cancer Foundation, July 29, 2011.

The Epidemiology of Childhood Cancer: Lessons Learned and What's Next. Duke University, Cancer Control Seminar Series, Durham, NC, October 11, 2011.

Gene-Environment Interaction in Head and Neck Cancer: The Role of Alcohol Metabolism. North Carolina Central University, Durham, NC, November 30, 2011.

The Causes of Birth Defects: Opportunities and Challenges. Department of Public Health Sciences. Medical University of South Carolina. Charleston, SC, April 28, 2014.

The Causes of Birth Defects: Opportunities and Challenges. Pediatrics, Moses H. Cone Memorial Hospital. Greensboro, NC, May 7, 2014.

Approaches to Studying the Etiology of Neuroblastoma: The Neuroblastoma in North America (NENA) Study. Department of Pediatric Hematology/Oncology, Columbia University Medical Center, New York, NY, November 18, 2015.

The Evolution of Cancer Epidemiology: Promise and Pitfall. Geoffrey Howe Memorial Lecture at the Columbia University Epidemiology Grand Rounds. Department of Epidemiology, Columbia University. New York, NY, November 18, 2015.

The UNC CHANCE Study: Adventures in the Molecular Epidemiology of Head and Neck Cancer. Department of Environmental Health, University of Cincinnati, Cincinnati, Ohio, March 30, 2016.

Gene-Exposure Interaction in the Etiology of Childhood Cancer. Symposium. Germline Genetic Risk of Childhood Cancer: Where Do We Go from Here? Minneapolis, Minnesota, May 9, 2016

The Evolution of Cancer Epidemiology: Promise and Pitfall. Cancer Control Program Seminar, Ohio State University Comprehensive Cancer Center. Columbus, Ohio, NY, May 25, 2016.

INVITED, OTHER:

Invited, Meeting to Review the Status of clinical and epidemiologic research on structural birth defects, NICHD, Bethesda, MD, October 15, 1997

Invited, Meeting on The Need for and Design of a Nationwide Childhood Cancer Registry, Washington DC, July 24, 1998.

Invited, Head and Neck Cancer Priority Setting Workshop, NCI, NIDCR, Bethesda, February 21, 1999

Invited, Toward New Paradigms in Genetic and Molecular Epidemiologic Research: Identifying Infrastructure Needs for Population-Based Studies. NCI, Rockville, MD, February 19, 1999.

External Peer Review Panel, Environmental Protection Agency Preliminary Risk Assessment of Cadmium. Research Triangle Park, NC, August 3, 1999

Cancer Breakout Group Chair, Critical Windows of Exposure for Child's Health. Richmond, VA. Environmental Protection Agency. Richmond, VA, September 14-15, 1999

Invited, EPI-21, Epidemiology in the Twenty-First Century. National Institute of Environmental Health Sciences, Raleigh, NC, October 31- November 2, 1999.

Invited, Workshop on Environmental Contributors to Infant Mortality. National Institute of Environmental Health Sciences, Research Triangle Park, NC, May 15-16, 2001.

Invited, Session Co-Chair, Workshop, Gene-Environment Interactions in the Etiology of Childhood Cancer, National Cancer Institute, Bethesda, MD, March 25-26, 2002.

Invited, Workshop Organizer, Molecular Epidemiologic Approaches to the Evaluation of Cancer Risk, Progression, and Therapeutic Efficacy, The Sixth Research Workshop on the Biology, Prevention, and Treatment of Head and Neck Cancer, McLean, Virginia, October 9-13, 2002.

Invited, Discussant, Childhood Cancer Prevention: Opportunities Before and During Pregnancy to Reduce Risk. Division of Cancer Prevention and Control, Centers for Disease Control and Prevention, May 23, 2014.