

CURRICULUM VITAE

Name: Clarice Ring Weinberg

https://scholar.google.com/citations?user=z_ONpioAAAAJ

Pubmed Bibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/clarice.weinberg.1/bibliography/40974810/public/>

Education:

1972 - B.S. (Mathematics) Simmons College, Boston, Massachusetts

1974 - M.A. (Mathematics) Brandeis University, Waltham, Massachusetts

1980 - Ph.D. (Biomathematics) University of Washington, Seattle, Washington

Brief Chronology of Employment:

1972 - 1974 Teaching Assistant, Brandeis University, Waltham, Massachusetts

1976 - 1976 Consultant for the Children's Hospital Medical Center through Harvard School of Public Health, Boston, Massachusetts

1979 - 1983 Consultant for the Division of Gastroenterology, University Hospital, Seattle, Washington

1980 - 1983 Acting Assistant Professor, Department of Biostatistics, University of Washington, Seattle, Washington

1980 - 1983 Acting Director, Biostatistics Core, Diabetes/Endocrinology Research Center, University of Washington, Seattle, Washington

1983 - 1996 Mathematical Statistician, Biostatistics Branch, Environmental Diseases and Medicine Program, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina

2000 – 2004 Research Committee for the Health Effects Institute, Boston, MA.

1997 - present Deputy Chief, Biostatistics and Computational Biology Branch, Division of Intramural Research, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina

1989 - present Adjunct Professor, Department of Biostatistics, University of North Carolina at Chapel Hill

1998 - present Adjunct Professor, Department of Epidemiology, University of North Carolina at Chapel Hill

Honors and Awards:

NIH Traineeship, 1976-1980

First Prize, Biometrics Society/WNAR Student Paper Competition, 1980

Faculty, Epidemiology Student Workshop, SER, 1990

SER Abraham Lillienfeld Student Paper Award, First Place, 1992 (with A. Rowland, D. Baird, D. Shore, C.M. Shy and A.J. Wilcox)

Fellow, American Statistical Association, elected 1995

NIH Merit Award, 1996

SER Abraham Lillienfeld Student Paper Award, First Place, 1997 (with B. Rockhill and B. Newman)

1998 Bernard G. Greenberg Distinguished Lectureship, Department of Biostatistics, University of North Carolina, May, 1998.

Primary advisor for Elaine Borland Hoffman: "A resampling approach to analysis of dependent binary data," Department of Biostatistics, University of North Carolina at Chapel Hill, 1998. Winner of both the Margolin Award for Best Dissertation in the Department of Biostatistics and the Greenberg Dissertation Award for Best Dissertation in the School of Public Health at UNC

Nathan Mantel Award from the Statistics in Epidemiology Section of the American Statistical Association, for lifetime achievement in statistical contributions to epidemiology, 2005.

Janet Norwood Award, conferred by the Department of Biostatistics at the University of Alabama for contributions by a woman to statistical science, 2005.

Member, American Epidemiological Society, elected 2007.

Grant awarded for the Two Sister Study from Susan G. Komen for the Cure, 2008-present.

Delivered the Norman E. Breslow Distinguished Lecture at the University of Washington, November, 2009

National Institutes of Health Award of Merit "for innovation and creativity in designing and implementing the Sister Study and working as a team to achieve the goal of enrolling 50,000 women." 2010

Delivered the 2010 Lowell Reed Distinguished Lecture, at the annual meeting of the American Public Health Association.

First Place, NIEHS Student Poster competition, undergraduate category, for summer intern, Kaushik Annam, University of Pennsylvania, 2012.

Scientific Director's Award for Outstanding Intramural Research, selected by the NIEHS Board of Scientific Counsellors, 2017

Delivered the Sholom Wacholder Distinguished Lecture, National Cancer Institute, October 3, 2019.

Named a University of Washington School of Public Health "Changemaker," Among 50 out of 11,000 alumni, announced October, 2020. See <https://sph.washington.edu/50-changemakers-public-health>

Scientific Director's Award for Outstanding Intramural Research, selected by the NIEHS Board of Scientific Counsellors, 2021

Kupper Dissertation Publication Award, with Michael Nodzenski, for the publication selected by the faculty as the best paper published in 2021 based on a dissertation by a student in the Biostatistics Department at UNC.

Robert Makuch Lecture at the University of Connecticut on the occasion of the 60th anniversary of the founding of their Statistics Department, October, 2022.

ASA Jeanne E Griffith Mentoring Award for 2024.

Professional Activities:

Member, American Statistical Association, Biometrics Society, Society for Epidemiologic Research

Member, Editorial Board, Epidemiology

Member, Editorial Review Board, Environmental Health Perspectives

Member, the Committee to Study the Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons, under the Institute of Medicine, National Academy of Sciences, 1993-1999.

Member, Subcommittee on Methods

Member, Working Group on Dosimetry

Project Officer, Contract N01-ES-95282, National Academy of Sciences, NRC Committee on Health Effects of Ionizing Radiation Among Nuclear Utility Workers, 1989-1991

Member, ASA Steering Committee for the ASA Conference on Radiation and Health, June, 1994

Member, Steering Committee for Pooled Analysis of North American Case-control Studies of Residential Radon and Lung Cancer, 1995 - 2004.

Member, Scientific Advisory Board overseeing the study "Endometriosis and dioxin exposure in females of Seveso," 1995 - 1998

Member, ASA Steering Committee for the ASA Conference on Radiation and Health, June, 1996.

Member, Committee to Study the Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons, Institute of Medicine, 1995-2000.

Member, Health Effects Institute Cohort Reanalysis Expert Panel, for oversight of the re-analysis of the Six Cities Study and the ACS study on effects of chronic exposure to air pollution on mortality, 1997-2000.

Member, Health Effects Institute Research Committee, 2000 - 2004.

Member, NIEHS Committee on Promotions II, 1996-1997.

Chair, NIEHS Committee on Promotions II, 2001 - 2005.

Member, NIEHS Committee on Promotions I, 1997-2001, and 2015 to present.

Member, NIEHS Workplace Assessment Committee, 1998-1999.

Member, NIEHS Clinical Advisory Council, 1998-2002

Reviewer, U.S. EPA Particulate Matter Air Quality Criteria Document, spring, 1999.

Member, NIEHS Computer Information Officer Advisory Committee, 2000 - 2001.

Director, Michael Hogan Environmental Education Project, 2001.

Chair, NIEHS Search Committee for a tenure-track neuro-epidemiologist, 2000-2001.

Member, NIEHS Search Committee for a bioinformaticist, 2004-2005.

Member, NIEHS Search Committee for a Staff Scientist in Epidemiology, 2004-2005.

Statistical Editor, *American Journal of Epidemiology*, 1999 – 2002

Editorial Board, *American Journal of Epidemiology*, 2003 – 2006 and 2007 - 2014.

Associate Editor, *American Journal of Epidemiology*, 2016 – present.

Co-organizer, winter meeting of the Piedmont Genetic Epidemiology Society, February 25, 2000, at NIEHS

Member, committee to Review the Dose Reconstruction Program of the Defense Threat Reduction Agency, Board on Radiation Effects Research, the National Academies, 2001 - 2004.

Round table discussion leader, "Designing studies to detect environmental interactions with low penetrance genes," ENAR, March, 2000.

Member, Executive Committee, NIEHS, 2002-2005.

Member, Selection Committee for the 2000 Mortimer Spiegelman Award, honoring a statistician under the age of 40 who has made important contributions to public health (sponsored by the American Public Health Association).

Affiliate Member, Biostatistics and Epidemiologic Methods Facility Core (BEMFC) of the Center for Environmental Health and Susceptibility, School of Public Health, University of North Carolina at Chapel Hill, 2000 - present.

Member, Science Council for Radiation Effects Research Foundation, Hiroshima, Japan, for the Board on Radiation Effects Research, National Academies, 2001-2006.

Member, Program Committee for the Eastern North American Regional Spring Meeting for 2005.

Member, Selection Committee for the Nathan Mantel Award for Lifetime Achievement in Statistics in Epidemiology, 2002.

Member, Scientific Review Committee for the Radiation Effects Research Committee, 2004-2009.

Chair, NIEHS Search Committee for Chief, Laboratory of Computational Biology and Risk Analysis, 2002-2004.

Member, Program Committee for the Eastern North American Regional statistical meeting 2005.

Member, Committee on Sampling for the National Children's Study, 2004-2005.

Statistical Editor, American Journal of Epidemiology, 2007 – 2013.

Principal Investigator, Two Sister Study, 2007 – present.

Member Program Advisory Committee for the Strategic Training for Advanced Genetic Epidemiology (STAGE) training program, University of Toronto, Canada, 2011-present.

Member Curriculum Advisory Committee for the Biostatistics Department, Duke University, 2011 – present.

Judge for Fellows Award for Research Excellence (FARE) awards, NIH, 2013

Member, Stadtman Search Committee, NIH, 2012-2013, Computational Biology, Bioinformatics, Biostatistics, Mathematics

Cochair, Stadtman Search Committee, NIH, 2013-2014, Computational Biology, Bioinformatics, Biostatistics, Mathematics

Member, Editorial Review Board, Environmental Health Perspectives, 2017 – present.

Member, Search Committee for the Chief of the Biostatistics and Bioinformatics Branch at NICHD, 2018 – 2019.

Member, Search Committee for the Director of Environmental Science Cyberinfrastructure at NIEHS, 2018-2019.

Member, Search Committee for the Associate Director, Biometric Research Program, Division of Cancer Treatment and Diagnosis, NCI, 2018-20

Co-chair, Stadtman Search Committee for Computational Biology, Bioinformatics, Biostatistics, Mathematics 2020-2021.

Associate Editor, American Journal of Epidemiology, 2018-2022.
Statistical Editor, Fertility and Sterility, 2022-present.

Doctoral Thesis committees:

Paige Hornsby: "The Effects of *in Utero* Exposure to Diethylstilbestrol (DES) on the Menstrual Cycle" Department of Epidemiology, University of North Carolina at Chapel Hill, 1991.

Pam Schwingl: "Lack of Effect of Prenatal Exposure to Cigarette Smoking on Adult Fecundability" Department of Epidemiology, University of North Carolina at Chapel Hill, 1992.

Glinda Cooper: "Genetic Susceptibility and Dietary Factors in Ovarian Dysfunction: Galactose Consumption, Metabolism, and Gonadotropin Levels in Women of Late Reproductive Age" Department of Epidemiology, University of North Carolina at Chapel Hill, 1993.

Tye Arbuckle: "Reproductive Outcomes Among Women Living on Ontario Farms in Relation to Pesticide Exposure: a Feasibility Study" completed at the Department of Epidemiology, University of North Carolina at Chapel Hill, 1995.

Kristi Tolo: "Alcohol Consumption and Reproductive Outcomes." Completed at the Department of Epidemiology, University of North Carolina at Chapel Hill, 1995.

Kathryn Curtis: "Determinants of Time-to-Pregnancy in the Ontario Farm Family Health Study" Department of Epidemiology, University of North Carolina at Chapel Hill, 1996.

Esther Janowsky: "Vitamin D/vitamin D metabolism and risk of breast cancer" completed at the Department of Epidemiology, University of North Carolina at Chapel Hill, 1997.

Beverly Rockhill: "Attributable fraction estimation for breast cancer risk Factors," Department of Epidemiology, University of North Carolina at Chapel Hill, 1997.

Emily DeVoto: "Chlorinated hydrocarbons and breast cancer," Department of Epidemiology, University of North Carolina at Chapel Hill, 1998.

Elaine Borland Hoffman: "A resampling approach to analysis of dependent binary data," Department of Biostatistics, University of North Carolina at Chapel Hill, 1998 (primary advisor). Winner of both the Margolin Award for Best Dissertation in the Department of Biostatistics and the Greenberg

Dissertation Award for Best Dissertation in the School of Public Health at
UNC

- Jane Schroeder: "Epidemiology of t(14;18) Non-Hodgkin's Lymphoma,"
Department of Epidemiology, University of North Carolina at Chapel Hill,
1999.
- Randall Rieger: "Paired within-cluster resampling for estimating subject-specific
effects." Department of Biostatistics, University of North Carolina at
Chapel Hill, 2000. (primary advisor)
- Penelope Howards "Strategies for avoiding bias in studies of causes of spontaneous
abortion." Department of Epidemiology, University of North Carolina at
Chapel Hill, 2001 – 2004.
- Michael Klotsman "Genetic factors in benign prostatic hyperplasia" Department of
Epidemiology, University of North Carolina at Chapel Hill, 2002 - 2003.
- Emily Kistner "Using nuclear families to study genetic contributions to quantitative
traits" Department of Biostatistics, University of North Carolina and Chapel
Hill, 2002 - 2005. (primary advisor)
- Evadnie Rampersaud "Using family data to study complex disease: the example of
neural tube defects." Department of Human Genetics, Duke University,
2002 - 2005.
- George Capuano "Topics in joint modeling of HRQL and nonignorable dropout."
Department of Biostatistics, University of North Carolina at Chapel Hill,
2003 – 2005.
- Elena K. Bordonali "Group testing: Correlated responses and optimal two-stage
algorithms" Department of Biostatistics, University of North Carolina at
Chapel Hill, 2013 – 2016.
- Anna Bauer "Variation in CO signaling and NO transport genes and risk of
preeclampsia" Department of Epidemiology, University of North Carolina at
Chapel Hill, 2013 – 2017.
- Angela Liu Mazul "Joint effects of maternal vitamin intake during pregnancy and
germline variants in the etiology of neuroblastoma in children under 6"
Department of Epidemiology, University of North Carolina at Chapel Hill,
2013 – 2017.
- Alison Wise "Making robust use of parental genotype data for finding effects of
variants on the X chromosome." Department of Biostatistics, University of
North Carolina at Chapel Hill, 2012 – 2015. (primary advisor)

Cuicui Wang, Predoctoral student from Fudan University, under a one-year grant from the Chinese government, supplemented by NIEHS.

Shaina Alexandria, Predoctoral IRTA student, completing her final project for her Ph.D. in the Department of Biostatistics, University of North Carolina at Chapel Hill, 2019 – defended successfully 9/2021.

Michael Nodzinski, Predoctoral IRTA Ph.D. student in the Department of Biostatistics, University of North Carolina at Chapel Hill, 2019 – 2022. (primary advisor and Chair)

Publications in Peer-Reviewed Journals:

1. Biesbroeck, R., Albers, J.J., Wahl, P., Weinberg, C., Bassett, M., and Bierman, E. Abnormal composition of high density lipoproteins in non-insulin dependent diabetics. Diabetes **31**:126-131, 1982.
2. Wacholder, S. and Weinberg, C. Paired versus two-sample design for a clinical trial of treatments with dichotomous outcome: power considerations. Biometrics **38**:801-812, 1982.
3. Beard, J., Weinberg, C., Pfeifer, M., Best, J., Halter, J., and Porte, D. Jr. Interaction of glucose and epinephrine in the regulation of insulin secretion. Diabetes **31**:802-807, 1982.
4. Beard, J., Weinberg, C., Pfeifer, M., Best, J., Halter, J., and Porte, D. Jr. Modulation of arginine-induced glucagon release by epinephrine and glucose levels in man. Journal of Clinical Endocrinology and Metabolism **56**:1271-1277, 1983. (cited by 261)
5. Judzewitsch, R., Polonsky, K.S., Jaspan, J.B., Weinberg, C.R., Pfeifer, M.A., Halter, J.B., Halar, E., Vukadinovic, C., Liang, K.Y., Gabbay, K., Rubenstein, A.H., and Porte, D. Jr. Aldose reductase inhibition improves nerve conduction velocity in diabetic patients. New England Journal of Medicine **308**:119-125, 1983.
6. Pfeifer, M., Weinberg, C., Cook, D., Best, J., Reenan, A., and Halter, J. Differential changes of autonomic nervous system function with age in man. American Journal of Medicine **75**(2):249-258, 1983.
7. Fujimoto, W., Hershon, K., Kinyoun, J., Stolov, W., Weinberg, C., Ishiwata, K., Kajinuma, H., Kanazawa, Y., and Kuzvya, N. Type II diabetes mellitus in Seattle and Tokyo. Tohoku Journal of Experimental Medicine **141**(suppl.):133-139, 1983.

8. Gilbert, D., Surawicz, C., Silverstein, F., Weinberg, C., Saunders, D., Feld, A., Sanford, R., Bergman, D., and Washington, P. Prevention of acute aspirin-induced gastric mucosal injury by 15-R-15 methyl prostaglandin E: an endoscopic study. Gastroenterology **86**:339-345, 1984. (cited by 53)
9. Weinberg, C.R. and Pfeifer, M. An improved method for measuring heart-rate variability: assessment of cardiac autonomic function. Biometrics **40**:855-861, 1984.
10. Weinberg, C., Dornan, T., Hansen, J., Raghu, P., and Palmer, J. HLA-related heterogeneity in seasonal patterns of diagnosis in Type I (insulin-dependent) diabetes. Diabetologia **26**:199-202, 1984.
11. Pfeifer, M.A., Weinberg, C.R., Cook, D., Reenan, A., Halter, J.B., Ensinck, J. and Porte, D. Jr. Autonomic neural dysfunction in recently diagnosed diabetic subjects. Diabetes Care **7**:447-453, 1984.
12. Weinberg, C.R. On pooling across strata when frequency matching has been followed in a cohort study. Biometrics **41**:117-127, 1985.
13. Pfeifer, M., Weinberg, C., Cook, D., Reenan, A., Halar, E., Halter, J., LaCava, E. and Porte D. Jr. Correlations among autonomic, sensory, and motor neural function tests in untreated non-insulin-dependent diabetics. Diabetes Care **8**:576-584, 1985.
14. Wilcox, A., Weinberg, C., Wehmann, R., Armstrong, G., Canfield, R., and Nisula, B. Measuring early pregnancy loss: laboratory and field methods. Fertility and Sterility **44**:366-374, 1985. (cited by 95)
15. Wacholder, S. and Weinberg, C.R. Selecting subpopulations for intervention. Journal of Chronic Disease **39**:513-519, 1986.
16. Weinberg, C.R. Applicability of the simple independent action model to epidemiologic studies involving two factors and a dichotomous outcome. American Journal of Epidemiology **123**:162-173, 1986.
17. Weinberg, C.R. and Pfeifer, M.A. Development of a predictive model for symptomatic neuropathy in diabetes. Diabetes **35**:873-880, 1986.
18. Piegorsch, W., Weinberg, C., and Haseman, J. Testing for simple independent action between two factors for dichotomous response data. Biometrics **42**:413-419, 1986.
19. Weinberg, C.R. and Gladen, B. The beta-geometric distribution applied to comparative fecundability studies. Biometrics **42**:547-560, 1986.

20. Everson, R.B., Sandler, D.P., Wilcox, A.J., Schreinemachers, D., Shore, D.L., Weinberg, C.R. Effect of passive exposure to smoking on age at natural menopause. British Medical Journal **293**:792, 1986.
21. Baird, D.D., Wilcox, A.J., and Weinberg, C.R. Use of time to pregnancy to study environmental exposures. American Journal of Epidemiology **124**:470-480, 1986.
22. Piegorsch, W.W. and Weinberg, C.R. Testing synergistic effects for simultaneous exposures with stratified dichotomous response. Journal of Statistical Computation and Simulation **26**:1-19, 1986.
23. Rothschild, A.H., Weinberg, C.R., Cook, D., Halter, J., Porte, D. Jr. and Pfeifer, M.A. Sensitivity of RR-variation and the Valsalva ratio in the assessment of diabetic autonomic neuropathy. Diabetes Care **10**(6):735-741, 1987.
24. Wilcox, A.J., Weinberg, C.R., Armstrong, E.G., and Canfield, R.E. Urinary human chorionic gonadotropin among intrauterine device users: detection with a highly specific and sensitive assay. Fertility and Sterility **47**:265-269, 1987.
25. Weinberg, C.R., Brown, K. and Hoel, D. Altitude, radiation and mortality from heart disease and cancer. Radiation Research **112**:381-390, 1987.
26. Wilcox, A.J., Baird, D.D., Weinberg, C.R., Armstrong, E.G., Musey, P., Wehmann, R., and Canfield, R. The use of biochemical assays in epidemiologic studies of reproduction. Environmental Health Perspectives **75**:29-35, 1987.
27. Piegorsch, W.W., Weinberg, C.R., and Margolin, B.H. Exploring simple independent action in multifactor tables of proportions. Biometrics **44**:595-603, 1988.
28. Peterson, H.R., Rothschild, M., Weinberg, C.R., Fell, R.D., Noleish, K.,R., and Pfeifer, M.A. Body fat and the activity of the autonomic nervous system. New England Journal of Medicine **318**(17):1077-1083, 1988.
29. Wilcox, A.J., Weinberg, C.R., O'Connor, J.F., Baird, D.D., Schlatterer, J.P., Canfield, R.E., Armstrong, E.G., and Nisula, B.C. Incidence of early pregnancy loss. New England Journal of Medicine **319** (4):189-194, 1988.
30. Wilcox, A.J., Weinberg, C. and Baird, D.D. Caffeinated beverages and decreased fertility. The Lancet, Dec 24/31:1453-6, 1988.
31. Wilcox, A.J., Baird, D.D., and Weinberg, C.R. Do women with childhood exposure to cigarette smoking have increased fecundability? American Journal of Epidemiology **129**:1079-83, 1989.

32. Weinberg, C.R., Wilcox, A.J., and Baird, D.D. Reduced fecundability in women with prenatal exposure to cigarette smoking. American Journal of Epidemiology **129**:1072-8, 1989.
33. Wallenstein, S., Weinberg, C.R. and Gould, M. Testing for a pulse in seasonal event data. Biometrics, **45**(3):817-830, 1989.
34. Sandler, D.P., Smith, J.C., Weinberg, C.R., Buckalew, V.M., Dennis, V.W., Blythe, W.B., and Burgess, W.P. Analgesic use and chronic renal disease. New England Journal of Medicine, **320**:1238-43, 1989
35. Weinberg, C.R. and Wacholder, S. The design and analysis of case-control studies with biased sampling. Biometrics **46**(4):963-75,1990.
36. Whelan, E.A., Sandler, D.P., McConnaughey, D.R. and Weinberg, C.R. Menstrual and reproductive characteristics and age at natural menopause. American Journal of Epidemiology, **131**(4):625-32,1990.
37. Wilcox, A.J., Weinberg, C.R. and Baird, D.D. Risk factors for early pregnancy loss. Epidemiology. **1**(5):382-5,1990.
38. Weinberg, C.R. Infertility and the use of illicit drugs. invited editorial, Epidemiology **1**(3):189-92,1990.
39. Lubin, J.H., Samet, J.M. and Weinberg, C.R. Design issues in epidemiologic studies of domestic exposure to radon and risk of lung cancer. Health Physics **59**(6):807-17,1990.
40. Baird, D.D., Weinberg, C.R., Wilcox, A.J., McConnaughey, D.R., Musey, P.I., Collins, D.C. Hormonal profiles of natural conception cycles ending in early, unrecognized pregnancy loss. J. Clin. Endocrin. and Metab **72**(4):793-800, 1991.
41. Baird, D.D., Weinberg, C.R., Wilcox, A.J., McConnaughey, D.R., and Musey, P.I. Using the ratio of urinary oestrogen and progesterone metabolites to estimate day of ovulation. Statistics in Medicine **10**:255-66, 1991.
42. Baird, D.D., Weinberg, C.R. and Rowland, A.S. Reporting errors in time-to-pregnancy data collected with a short questionnaire: impact on power and estimation of fecundability ratios. American Journal of Epidemiology **133**(12):1282-90,1991.
43. Weinberg, C.R. and Sandler, D.P. Randomized recruitment in case-control studies. American Journal of Epidemiology **134**(4):421-32, 1991.

44. Sandler, D.P., Burr, F.R., and Weinberg, C.R. Non-aspirin nonsteroidal anti-inflammatory drugs and risk of chronic renal disease. Annals of Internal Medicine **115**(3):165-72,1991.
45. Weinberg, C.R., Hertz-Picciotto, I., Baird, D.D. and Wilcox, A.J. Efficiency and bias in studies of early pregnancy loss. Epidemiology **3**(1): 17-22,1992.
46. Rowland, A., Baird, D.D., Weinberg, C.R., Shore, D.L., Shy, C.M. and Wilcox, A.J. Reduced fertility among women employed as dental assistants exposed to high levels of nitrous oxide. New England Journal of Medicine **327**:993-997, 1992.
47. Johnson, E.S., Parsons, W., Weinberg, C., Shore, D., Mathews, J., Patterson, D.G., and Needham, L.L. Current serum levels of 2,3,7,8-tetrachlorodibenzo-p-dioxins (2,3,7,8-TCDD) in phenoxy-herbicides applicators and characterization of historical levels. Journal of the National Cancer Institute, **84**:1648-53, 1992.
48. Weinberg, C.R., Baird, D.D., and Rowland, A. Pitfalls inherent in retrospective time-to-event data: the example of time to pregnancy. Statistics in Medicine, **12**(9):867-79, 1993.
49. Weinberg, C.R. Toward a clearer definition of confounding. American Journal of Epidemiology, **137**(1):1-8, 1993.
50. Weinberg, C.R. and Wacholder, S. Prospective analysis of case-control data under general multiplicative-intercept risk models. Biometrika, **80**(2): 461-465, 1993.
51. Little, R.E. and Weinberg, C.R. Risk factors for antepartum and intrapartum stillbirth. American Journal of Epidemiology , **137**(11):1177-1189, 1993.
52. Wacholder, S. and Weinberg, C.R. Flexible maximum likelihood methods for assessing joint effects in case-control studies with complex sampling. Biometrics, **50**(2): 350-357, 1994.
53. Weinberg, C.R., Gladen, B., and Wilcox, A.J. Models relating the timing of intercourse to the probability of conception and the sex of the baby. Biometrics, **50**(2): 358-367, 1994.
54. Rowland, A., Baird, D.D., Weinberg, C.R., Shore, D.L., Shy, C.M., Wilcox, A.J. The effect of occupational exposure to mercury vapor on the fertility of female dental assistants. Occupational and Environmental Medicine, **51**: 28-34, 1994.
55. Piegorsch, W.W., Weinberg, C.R., and Taylor, J.A. Non-hierarchical logistic models and case-only designs for assessing susceptibility in population-based case-control studies. Statistics in Medicine, **13**: 153-62, 1994.

56. Weinberg, C.R., Baird D.D. and Wilcox, A.J. Bias in retrospective studies of spontaneous abortion based on the outcome of the most recent pregnancy. Ann N Y Acad Sci **18** (709): 280-6, 1994 (PMID 8154720).
57. Weinberg, C.R., Baird, D.D., and Wilcox, A.J. Sources of bias in studies of time to pregnancy. Statistics in Medicine, **13**: 671-681, 1994.
58. Hornsby, P.P., Wilcox, A.J., Weinberg, C.R., and Herbst, A.L. Effects on the menstrual cycle of *in utero* exposure to diethylstilbestrol. American Journal of Obstetrics and Gynecology, **170**: 709-715, 1994.
59. Whelan, E.A., Sandler, D.P., Root, J.L., Smith, K.R., and Weinberg, C.R. Menstrual cycle patterns and risk of breast cancer. American Journal of Epidemiology, **140**(12): 1081-1090, 1994.
60. Weinberg, C.R., Moledor, E., Wilcox, A.J., and Baird, D.D. Is there a seasonal pattern in risk of early pregnancy loss? Epidemiology, **5**(5): 484-489, 1994.
61. Baird D.D., Weinberg, C.R., Schwingl, P., Wilcox, A.J. Selection bias associated with contraceptive practice in time to pregnancy studies. Ann N Y Acad Sci **18**(709): 156-64, 1994.
62. Cooper, G.S., Baird, D.D., Savitz, D.A., Hughes, C.L., Weinberg, C.R., Coleman, R.A., Shields, J.M., Hulka, B.S. Galactose consumption, metabolism and gonadotropin levels in women of late reproductive age. Fertility and Sterility, **62**:1168-1175, 1994.
63. Weinberg, C.R., Umbach, D.M. and Greenland, S. When will nondifferential misclassification of an exposure preserve the direction of a trend? American Journal of Epidemiology, **140**(6):565-571, 1994.
64. Alavanja, M.C.R., Akland, G., Baird, D., Blair, A., Bond, A., Dosemeci, M., Kamel, F., Lewis, R., Lubin, J., Lynch, C., McMaster, S.B., Moore, M., Pennybacker, M., Ritz, L., Rothman, N., Rowland, A., Sandler, D.P., Sinha, R., Swanson, C., Tarone, R., Weinberg, C., Zahm, S.H. Cancer and noncancer risk to women in agriculture and pest control: the agricultural health study. Journal of Occupational Medicine **36**: 1247-1250, 1994.
65. Rowland, A., Baird, D.D., Shore, D.L., Weinberg, C.R., Savitz, D., and Wilcox, A.J. Nitrous oxide and spontaneous abortion in female dental assistants. American Journal of Epidemiology, **141**(6): 531-38, 1995.
66. Weinberg, C.R., Baird, D.D., and Wilcox, A.J. The sex of the baby may be related to the length of the follicular phase of the conception cycle. Human Reproduction, **10**(2):304-307, 1995.

67. Weinberg, C.R. and Wilcox, A.J. A model for estimating the potency and survival of human gametes *in vivo*. Biometrics, **51**: 405-412, 1995.
68. Baird, D.D., McConaughy, D.R., Weinberg, C.R., Musey, P.I., Collins, D.C., Kesner, J.S., Knecht, E.A., and Wilcox, A.J. Application of a method for estimating day of ovulation using urinary estrogen and progesterone metabolites. Epidemiology, **6**(5): 547-550, 1995.
69. Cooper, G.S., Baird, D.D., Hulka, B.S., Weinberg, C.R., Savitz, D.A., Hughes, C.L. Follicle stimulating hormone concentrations in relation to active and passive smoking. Obstet. and Gynecol., **85**(3):407-11, 1995.
70. Wilcox, A.J., Baird, D.D., Weinberg, C.R., Hornsby, P.P., and Herbst, A.L. Fertility of men who were prenatally exposed to diethylstilbestrol (DES) in a randomized clinical trial. New England Journal of Medicine, **332**: 1411-6, 1995.
71. Weinberg, C.R. How bad is categorization? invited editorial. Epidemiology, **6**(4):345-347, 1995.
72. Baird, D.D., Umbach, D., Lansdell, L., Hughes, C., Setchell, K., Weinberg, C.R. Haney, A.F., Wilcox, A.J., McLachlan, J.A. Dietary intervention study to assess estrogenicity of dietary soy among postmenopausal women. J Clin Endocrin and Metab, **80**: 1685-90, 1995.
73. Wilcox, A.J., Weinberg, C.R., and Baird, D.D. Timing of sexual intercourse in relation to ovulation - Effects on the probability of conception, survival of the pregnancy, and sex of the baby. New England Journal of Medicine, **333**(23): 1517-1521, 1995.
74. Weinberg, C.R. Potential for bias in epidemiologic studies that rely on glass-based retrospective assessment of radon. Environmental Health Perspectives, **103**:1042-1046, 1995.
75. Baird, D.D., Weinberg, C.R., Voigt, L.F. and Daling, J.R. Vaginal douching and reduced fertility, American Journal of Public Health , **86**:844-850, 1996.
76. Zhou, H. and Weinberg, C.R. Modeling conception as an aggregated Bernoulli outcome with latent variables, via the EM algorithm. Biometrics, **52**: 945-954, 1996.
77. Weinberg, C.R., Skjaerven, R. and Wilcox, A.J. Statistical evidence for shared transient causes of anatomically distinct birth defects. Statistics in Medicine, **15**: 2029-2036, 1996.

78. Zhou, H., Weinberg, C.R., Wilcox, A.J. and Baird, D.D. A random effects model for cycle viability in fertility studies. Journal of the American Statistical Association **91**:1413-1422, 1996.
79. Weinberg, C.R., Moledor, E.S., Umbach, D.M. and Sandler, D.P. Imputation for exposure histories with gaps, under an excess relative risk model. Epidemiology, **7**(5): 490-497, 1996.
80. Umbach, D. and Weinberg, C.R. Designing and analyzing case-control studies to exploit independence of genotype and exposure. Statistics in Medicine, **16**(15): 1731-43, 1997.
81. Baird, D.D., Wilcox, A.J., Weinberg, C.R., Kamel, F., McConaughy, D.R., Musey, P.I., and Collins, D.C. Preimplantation hormonal differences between the conception and nonconception menstrual cycles of 32 normal women. Human Reproduction, **12**(12): 2607-13, 1997.
82. Weinberg, C.R. and Zhou, H. Model-based approaches to studying fertility and contraceptive efficacy. Advances in Contraception, **13**(2-3): 97-103, 1997.
83. Rockhill, B., Newman, B., and Weinberg, C.R. Use and misuse of population attributable fractions. American Journal of Public Health, **88**(1): 15-19, 1998.
84. Hornsby, P.P., Wilcox, A.J., Weinberg, C.R. Cigarette smoking and disturbance of menstrual function. Epidemiology **9**(2): 193-198, 1998.
85. Wilcox, A.J., Weinberg, C.R., and Baird, D.D. Post-ovulatory ageing of the human ovum and embryo failure. Human Reproduction **13**(2): 394-7, 1998.
86. Zhou, H. and Weinberg, C.R. Evaluating effects of exposures on embryo viability and uterine receptivity in *in vitro* fertilization. Statistics in Medicine **17**:1601-1612, 1998.
87. Rockhill, B., Weinberg, C.R. and Newman, B. Population attributable fraction estimation for established breast cancer risk factors: considering the issues of high prevalence and unmodifiability. American Journal of Epidemiology, **147**(9): 826-833, 1998.
88. Weinberg, C.R., Wilcox, A.J. and Lie, R.T. A log-linear approach to case-parent triad data: Assessing effects of disease genes that act directly or through maternal effects, and may be subject to parental imprinting. American Journal of Human Genetics **62**(4): 969-978, 1998.
89. Weinberg, C.R., Wilcox, A.J., Baird, D.D. and Gladen, B. The probability of conception as related to the timing of intercourse around ovulation. Genus **LIV**(3-4): 129-142, 1998.

90. Wilcox, A.J., Weinberg, C.R. and Lie, R.T. Distinguishing the effects of maternal and offspring genes through studies of 'case-parent triads.' American Journal of Epidemiology **148**(9): 893-901, 1998.
91. Zhou, H. and Weinberg, C.R. A semi-parametric mixture model in fertility studies. Journal of Statistical Planning and Inference **75**: 453-462, 1999.
92. Curtis, K.M, Savitz, D.A., Weinberg, C.R. and Arbuckle, T.E. The effect of pesticide exposure on time to pregnancy. Epidemiology **10**(2): 112-117, 1999.
93. Zhou, H. and Weinberg, C.R. Potential for bias in estimating human fecundability parameters: a comparison of statistical models. Statistics in Medicine **18**(4):411-422, 1999.
94. Dunson, D., Perrault, S., Chapin, R., and Weinberg, C.R. Summarizing the motion of self-propelled cells: applications to sperm motility. Biometrics **55**:537-543, 1999.
95. Weinberg, C.R. and Umbach, D.M. Using pooled exposure assessment to improve efficiency in case-control studies. Biometrics **55**(3): 718-726, 1999.
96. Cooper, G., Ephross, S.A., Weinberg, C.R., Baird, D.D., Whelan, E.A. and Sandler, D.P. Menstrual and reproductive risk factors for ischemic heart disease. Epidemiology **10**(3): 255-259, 1999.
97. Tseng, M., Weinberg, C.R., Umbach, D.M. and Longnecker, M.P. Calculation of population attributable risk for alcohol and breast cancer (United States). Cancer Causes and Control **10**:119-123, 1999.
98. Baird, D.D., Weinberg, C.R., Zhou, H., Kamel, F., McConnaughey, D.R., Kesner, J., Wilcox, A.J. Preimplantation urinary hormone profiles and the probability of conception in healthy women, Fertility and Sterility **71**(1):40-49, 1999.
99. Steinbuch, M., Weinberg, C.R., Buckley, J., Robison, L., and Sandler, D. Indoor residential radon exposure and risk of childhood acute myeloid leukemia. British Journal of Cancer **81**(5): 900-906, 1999.
100. Wilcox, A.J., Baird, D.D. and Weinberg, C.R. Time of implantation of the conceptus and loss of pregnancy. New England Journal of Medicine **340**(23): 1796-9, 1999.
101. Weinberg, C.R. Allowing for missing parents in genetic studies of case-parent triads. American Journal of Human Genetics **64**(4): 1186-1193, 1999.

102. Janowsky, E.C., Lester, G.E., Weinberg, C.R., Millikan, R.C., Schildkraut, J. M., Garrett, P.A., Hulka, B.S. The association between low levels of 1,25-dihydroxy vitamin D and breast cancer risk. Public Health Nutrition **2**(3): 283-91, 1999.
103. Dunson, D., Baird, D.D., Wilcox, A.J. and Weinberg, C.R. Day-specific probabilities of clinical pregnancy based on two studies with imperfect measures of ovulation. Human Reproduction **14**(7): 1835-9, 1999.
104. Weinberg, C.R. Methods for detection of parent-of-origin effects in genetic studies of case-parents triads. American Journal of Human Genetics **65**: 229-235, 1999.
105. Weinberg, C.R. and Sandler, D.P. Gene-by-environment interaction for passive smoking and GSTM1? Invited editorial, Journal of the National Cancer Institute **91**(23): 1985-6, 1999.
106. Umbach, D.M. and Weinberg, C.R. The use of case-parent triads to study joint effects of genotype and exposure. American Journal of Human Genetics **66**:251-261, 2000.
107. Weinberg, C.R. and Dunson, D.B. Some issues in assessing human fertility. Invited Millennial vignette, Journal of the American Statistical Association **95**(449): 300-303, 2000.
108. Cooper, G.S., Baird, D.D., Weinberg, C.R., Ephross, S.A. and Sandler, D.P. Age at menopause and childbearing patterns in relation to mortality. American Journal of Epidemiology **151**(6):620-23, 2000.
109. Harlow, S.D., Baird, D.D., Weinberg, C.R., Wilcox, A.J. Urinary estrogen patterns in long follicular phases. Human Reproduction **15**(1): 11-16, 2000.
110. Dunson, D. and Weinberg, C.R. Modeling human fertility in the presence of measurement error. Biometrics **56**:288-92, 2000.
111. Dunson, D.B. and Weinberg, C.R. Accounting for unreported and missing intercourse in human fertility studies. Statistics in Medicine, **19**: 665-79, 2000.
112. Weinberg, C.R. and Umbach, D.M. Choosing a retrospective design to assess joint genetic and environmental contributions to risk American Journal of Epidemiology **152**(3): 197-203, 2000.
113. Dunson, D.B., Weinberg, C.R., Baird, D.D., Kesner, J., and Wilcox, A.J. Assessing human fertility using several markers of ovulation. Statistics in Medicine, **20**(6): 965-78, 2001.
114. Dunson, D.B. Weinberg, C.R. and Wilcox, A.J. Modeling multiple ovulation, fertilization, and embryo loss in human fertility studies. Biostatistics **2**(2): 131-145,

2001.

115. Rieger, R., Kaplan, N. and Weinberg, C.R. Efficient use of sibling data for testing for linkage and association. Genetic Epidemiology, **20**(2): 175-91, 2001.
116. Li, L., Darden, T.A., Weinberg, C.R., Levine, A.J. and Pedersen, L.G. Gene assessment and sample classification for gene expression data using a genetic algorithm/k-nearest neighbor method. Combinatorial Chemistry and High Throughput Screening **4**(8): 727-39, 2001.
117. Weinberg, C.R. It's time to rehabilitate the P-value. Invited editorial, Epidemiology, **12**(3): 288-290, 2001.
118. Wilcox, A.J., Dunson, D.D., Weinberg, C.R., Trussell, J., Baird, D.D. Likelihood of conception with a single act of intercourse: providing benchmark rates for assessment of post-coital contraceptives. Contraception, **63**(4): 211-215, 2001.
119. Hoffman, Elaine Borland, Sen, P.K., and Weinberg, C.R. Within-cluster resampling. Biometrika **88**(4):1121-34, 2001.
120. Schroeder, J.C., Olshan, A.F., Baric, R., Dent, G.A., Weinberg, C.R., Yount, B. Cerhan, J.R., Lynch, C.R., Schuman, L.M., Tolbert, P.E., Rothman, N., Cantor, K.P., Blair A. Agricultural risk factors for t(14;18) subtypes of non-Hodgkin's lymphoma Epidemiology **12**:701-709, 2001.
121. Schroeder, J. and Weinberg, C.R. Use of missing-data methods to correct bias and improve precision in case-control studies where cases are subtyped but subtype information is incomplete. American Journal of Epidemiology **154**(10): 954-62, 2001.
122. Zhou, H., Xie, M., Simpson, D.G. and Weinberg, C.R. A generalized likelihood ratio approach for cluster-correlated data from human fertility studies. Sankhya (Series B) **63**(1): 56-68, 2001.
123. Li, L., Weinberg, C.R., Darden, T.A. and Pedersen, L.G. Gene selection for sample classification based on gene expression data: study of sensitivity to choice of parameters of the GA/KNN method. Bioinformatics: **17**(12): 1131-42, 2001.
124. Wilcox, A.J., Baird, D.D., Dunson, D., McChesney, R. and Weinberg, C.R. The natural limits of pregnancy testing in relation to the expected menstrual period, Journal of the American Medical Association **286**(14): 1759-61, 2001.
125. Chowdari, K.V., Brandstaetter, B., Semwal, P. Bhatia T., Deshpande, S., Reddy, R., Wood, J., Weinberg, C.R., Thelma B.D., Nimgaonkar V. Association studies of cytosolic phospholipase A2 polymorphisms and schizophrenia among two independent family based samples. Psychiatric Genetics **11**(4): 207-12, 2001.

126. Schroeder, J.C., Olshan, A.F., Baric, R., Dent, G., Weinberg C.R., Yount, B., Cerhan, J., Lynch, C.F., Schuman, L., Tolbert, P., 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**(2): 153-68, 2002.
127. Rieger, R. and Weinberg, C.R. Analysis of clustered binary outcomes using within-cluster paired resampling. Biometrics **58**:332-341, 2002.
128. Infante-Rivard, C., Rivard, G-E, Yotov, W., Genin, E., Guiguet, M., Weinberg, C., Gauthier R., Feoli-Fonseca, J-C Absence of association of thrombophilic polymorphisms with intrauterine growth restriction. New England Journal of Medicine: **347**(1): 19-25, 2002.
129. Sayle, A., Wilcox, A.J., Weinberg, C.R. and Baird, D.D A prospective study of the onset of symptoms of pregnancy. Journal of Clinical Epidemiology: **55**(7): 676-80, 2002.
130. Little, J., Bradley, L., Bray, M.S., Clyne, M., Dorman, J., Ellsworth, D.L., Hanson, J., Khoury, M., Lau, J., O'Brien, T.R., Rothman, N., Stroup, D., Taioli, E., Thomas, D., Vainio, H., Wacholder, S., Weinberg, C. Reporting, appraising, and integrating data on genotype prevalence and gene-disease associations. American Journal of Epidemiology **156**(4): 300-310, 2002.
131. Basso, O., Weinberg, C.R., Wilcox, A.J., Baird D.D., Olsen J. Subfecundity as a correlate of pre-eclampsia: A study within the Danish National Birth Cohort. American Journal of Epidemiology **157**(3):195-202 2003.
132. Baird, D.D., Weinberg, C.R., McConaughey, D.R., and Wilcox, A.J. Rescue of the corpus luteum in human pregnancy. Biology of Reproduction Feb; **68**(2):448-56, 2003.
133. Weinberg, C.R. Studying parents and grandparents to assess genetic contributions to early-onset disease. American Journal of Human Genetics **72**(2):438-47, 2003.
134. Peddada, S.D., Lobenhofer, E.K., Li, L., Afshari, C.A., Weinberg, C.R., Umbach, D.M. Gene selection and clustering for time-course and dose-response microarray experiments using order-restricted inference. Bioinformatics **19**(7):834-41, 2003.
135. Weinberg, C.R. and Morris, R. Invited Commentary: Testing for Hardy-Weinberg disequilibrium using a genome SNP scan based on cases only. American Journal of Epidemiology **158**(5):401-3, 2003.

136. Harville, E.W., Wilcox, A.J., Baird, D.D., and Weinberg, C.R. Vaginal bleeding in very early pregnancy. Human Reproduction **18**(9): 1944-7, 2003.
137. Weinberg, C.R. Invited Commentary: Making the most of genotype asymmetries. American Journal of Epidemiology **158**(11): 1033-5, 2003.
138. Klotsman, M., Weinberg, C.R., Davis, K., Hartmann, K.E. A case-based evaluation of SRD5A1, SRD5A2, AR, and ADRA1A as candidate genes for severity of BPH. Pharmacogenetics J **4**:251-9, 2004.
139. Wilcox, A.J. and Weinberg, C.R. Invited Commentary: The analysis of gestational-age-specific mortality: On what biological foundations? American Journal of Epidemiology **160**(3): 213-14, 2004.
140. Basso, O. Wilcox, A.J., Baird, D.D., Weinberg, C.R., and Olsen, J. Height and risk of severe pre-eclampsia: A study within the Danish National Birth Registry. International Journal of Epidemiology, **33**(4): 858-63, 2004.
141. Kistner, E.O. and Weinberg, C.R. A method for using complete and incomplete trios to identify genes related to a quantitative trait. Genetic Epidemiology **27**(1): 33-42, 2004.
142. Liu, D., Umbach, D., Peddada, S., Li, L., Crockett, P., Weinberg, C.R. A random-periods model for expression of cell-cycle genes. Proceedings of the National Academies of Science **101**(19): 7240-45, 2004.
143. Wilcox, A.J., Baird DD, Weinberg, CR, Dunson, D, McConnaughey, DR., Kesner, J.S. On the frequency of intercourse around ovulation: Evidence for biologic influences. Human Reproduction, **19**(7):1539-43, 2004.
144. Liu, D., Weinberg, C.R. and Peddada, S.D. A geometric approach to determine association and coherence of the activation times of cell-cycling genes under differing experimental conditions Bioinformatics **20**(16): 2521-8, 2004.
145. Krewski, D., Lubin, J.H., Zielinski, J.M., Alavanja, M., Catalan, V.S., Field, R.W., Klotz, J.B., Letourneau, E.G., Lynch, C.F., Lyon, J.L., Sandler, D.P., Schoenberg, J.B., Steck, D.J., Stolwijk, J.A., Weinberg, C.R. and Wilcox, H.B. Residential radon and risk of lung cancer: A combined analysis of 7 North American case-control studies. Epidemiology **16**(2): 137-145, 2005.
146. Weinberg, C.R. Barker meets Simpson. Invited Commentary, American Journal of Epidemiology, **161**(1): 33-35, 2005.
147. Sallmén, M, Weinberg, CR, Baird, DD, Lindbohm, M-L, Wilcox, AJ. Has human fertility declined over time? Why we may never know. Epidemiology, **16**(4): 494-9, 2005.

148. McChesney, R., Wilcox, A.J., O'Connor J.F., Weinberg, C.R., Baird, D.D., Schlatterer, J.P., McConnaughey, D.R., Birken, S., and Canfield R.E. Intact hCG, free HCG beta subunit and HCG beta core fragment: Longitudinal patterns in urine during early pregnancy. Human Reproduction, **20**(4): 928-35, 2005.
149. Mitchell, L.E., Weinberg, C.R. Evaluation of maternal and offspring genetic effects on disease risk using a family-based approach: The "pent" design. American Journal of Epidemiology **162**(7): 676-85, 2005.
150. Sarkar, K., Weinberg, C.R., Oddis, C.V., Medsger, T.A., Plotz, P.H., Reveille, J.D., Arnett, F.C., Targoff, I.N., Genth, E., Love, L.A., Miller, F.W. Seasonal influence in the onset of serologic groups of idiopathic inflammatory myopathies. Arthritis and Rheumatism **52**(8): 2433-8, 2005.
151. Kistner, E. and Weinberg, C.R. A method for identifying genes related to a quantitative trait, incorporating multiple siblings and missing parents. Genetic Epidemiology **29**(2): 155-65, 2005.
152. Infante-Rivard, C., Weinberg, C.R. Parent-of-origin transmission of thrombophilic alleles to intrauterine-growth-restricted newborns and transmission-ratio distortion in unaffected newborns. American Journal of Epidemiology **162**(9): 891-7. 2005.
153. Weinberg, C.R. and Umbach, D.M. A hybrid design for studying genetic influences on risk of diseases with onset in early life. American Journal of Human Genetics, **77**(4): 627-36, 2005.
154. Infante-Rivard, C., Weinberg, C.R. Guiguet, M. Xenobiotic-metabolizing genes and small-for-gestational-age births: interaction with maternal smoking. Epidemiology, **17**(1): 38-46, 2006.
155. Krewski D, Lubin JH, Zielinski JM, Alavanja M, Catalan V, Field W, Klotz JB, Letourneau EG, Lynch CF, Lyon JL, Sandler DP, Schoenberg JB, Steck DJ, Stolwijk JA, Weinberg CR, Wilcox HB. A combined analysis of North American case-control studies of residential radon and lung cancer. J Tox Env Health, **69**(7): 533-97, 2006.
156. Field, R.W., Krewski, D., Lubin J.H., Zielinski, J.M., Alavanja, M., Catalan, V.S., Klotz, J.B., Letourneau, E.G., Lynch, C.F., Lyon J.L., Sandler, D.P., Schoenberg, J.B., Steck, D.J., Stolwijk, J.A., Weinberg, C.R. and Wilcox, H.B. An overview of the North American residential radon and lung cancer case-control studies. J Tox Env Health A **69**(7):599-631, 2006.
157. Sandler, D.P., Weinberg, C.R., Shore, D.L., Archer, V.E., Bishop-Stone, M., Lyon, J.L., Rothney-Kozlak, L., Shepherd, M., Stolwijk, J.A.J. Indoor radon and lung cancer risk in Connecticut and Utah. J Tox Env Health A **69**(7):633-54, 2006.

158. Kistner, E.O., Infante-Rivard C., Weinberg, C.R. A method for using incomplete triads to test maternally mediated genetic effects and parent-of-origin effects in relation to a quantitative trait. American Journal of Epidemiology, **163**(3): 255-61, 2006.
159. Liu, D., Peddada, S.D., Li, L., Weinberg, C.R. Phase analysis of circadian-related genes in two tissues. BMC Bioinformatics, 2006 Feb 23, 7: 87.
160. Basso, O., Wilcox, A.J. and Weinberg, C.R. Birth weight and mortality: Causality or confounding? American Journal of Epidemiology **164**(4): 303-11, 2006
161. Howards, P., Hertz-Picciotto, I., Weinberg, C.R. and Poole, C. Misclassification of gestational age in the study of spontaneous abortion. American Journal of Epidemiology **164**(11): 1126-36, 2006.
162. Basso, O., Rasmussen, S., Weinberg, C.R., Wilcox, A.J., Irgens, L.M., Skjaerven, R. Trends in fetal and infant survival following preeclampsia. Journal of the American Medical Association **296**(11): 1357-62, 2006.
163. Promislow, J.H.E., Baird, D.D., Wilcox, A.J., Weinberg, C.R. Bleeding following pregnancy loss prior to six weeks gestation. Human Reproduction, **22**(3): 853-7, 2007.
164. Rampersaud, E., Morris, R.W., Weinberg, C.R., Speer, M.C. and Martin, E.R. Power calculations for likelihood ratio tests for genetic risks, maternal effects and parent-of-origin (POO) effects in the presence of missing parental genotypes when unaffected siblings are available. Genetic Epidemiology **31**(1): 18-30, 2007.
165. Shi, M, Christensen, K., Weinberg, C.R., Romitti, P., Bathum, L., Lozada, A., Murray, J.C. Orofacial cleft risk is increased with maternal smoking and specific detoxification-gene variants. American Journal of Human Genetics **80**(1): 76-90, 2007.
166. Infante-Rivard, C., Vermunt, J.K., Weinberg, C.R. Excess transmission of the NQ01 C609T allele in families of children with acute lymphoblastic leukemia. American Journal of Epidemiology **165**(11): 1248-54, 2007.
167. Weinberg, C.R., Shore, D., Umbach, D.M., and Sandler, D.P. Using risk-based sampling to enrich cohorts for endpoints, genes and exposures. American Journal of Epidemiology **166**(4): 447-55, 2007.
168. Vegosen, L., Weinberg, C.R. O'Hanlon, T.P., Targoff, I.N., Miller, F.W. and Rider, L.G. Seasonal birth patterns in myositis subgroups suggest an etiologic role of early environmental exposures. Arthritis and Rheumatism **56**(8): 2719-28, 2007 (PMCID: PMC2151046).

169. Shi, M., Umbach, D.M., Weinberg, C.R. Identification of risk-related haplotypes using multiple SNPs from nuclear families. American Journal of Human Genetics **81**(1): 53-66, 2007.
170. Weinberg, C.R. Invited commentary: Can DAGs clarify effect modification? Epidemiology **18**(5): 569-72, 2007 (PMCID: 2235194).
171. Jukic, A.M.Z., Weinberg, C.R., Baird, D.D., Wilcox, A.J. Lifestyle and reproductive factors associated with follicular phase length. Journal of Women's Health **16**(9): 1340-1347, 2007 (PMID: 18001191).
172. Jukic, A.M.Z., Weinberg, C.R., Wilcox, A.J., Hornsby, P., McConaughy D.R., and Baird, D.D. Accuracy of menstrual cycle length reporting. American Journal of Epidemiology **167**(1): 25-33, 2008 (PMID: 17928401).
173. Nepomnaschy, P.A., Weinberg, C.R., Wilcox, A.J. and Baird, D.D. Urinary hCG patterns during the week following implantation. Human Reproduction **23**(2): 271-8, 2008 (PMID: 18083748)
174. Jukic, A.M., Weinberg, C.R., Baird, D.D., Hornsby, P., Wilcox, A.J. Measuring menstrual discomfort: A comparison of interview and diary data. Epidemiology **19**(6): 872-5, 2008.
175. Zaas, A.K., Liao, G., Chien, J., Weinberg, C., Shore, D., Giles, S.S., Marr, K., Usuka, J. Burch, L., Perera, L., Perfect, J.R., Peltz, G., Schwartz, D.A. Plasminogen alleles influence susceptibility to invasive aspergillosis. PLoS Genetics, June 20 4(6): e1000101, 2008.
176. Shi, M., Umbach, D.M. Vermeulen, S., Weinberg, C.R. Making the most of case-mother/control-mother studies. American Journal of Epidemiology **168**(5): 541-7, 2008.
177. Boyles, A.L., Wilcox, A.J., Taylor, J.A., Shi, M., Weinberg, C.R., Meyer, K., Fredricksen, A., Ueland, P.M., Johansen, A.M.W., Drevon, C.A., Jugessur, A., Trung, T.A., Gjessing, H., Stein, E.V., Murray, J.C., Kristensen, K., Lie, R.T. Oral facial clefts and gene polymorphisms for folate/one-carbon and vitamin A: a pathway-wide association study. Genetic Epidemiology **33**(3): 247-55, 2009.
178. Weinberg, C.R. Less is more, except when less is less: studying joint effects. Genomics, **93**(1): 10-12, 2009.
179. Vermeulen, S., Shi, M., Weinberg, C.R. and Umbach, D.M. A hybrid design: case-parent triads supplemented by control-mother dyads. Genetic Epidemiology, **33**(2): 136-44, 2009.

180. Rieger, R., Weinberg, C.R. Testing for violations of the homogeneity needed for conditional logistic regression. Journal of Applied Statistics **36**(10): 1147-58, 2009.
181. Shi, M., Umbach, D.M., Weinberg, C.R. Using case-parent triads to estimate the relative risks associated with a candidate haplotype. Annals of Human Genetics **73**(3):346-59, 2009.
182. Nepomnaschy, P.A., Baird D.D., Weinberg, C.R., Hoppin, J.A., Longnecker, M. P., Wilcox, A.J. Within-person variability in urinary bisphenol A concentrations: Measurements from specimens after long-term frozen storage. Environmental Research **109**(6): 734-7, 2009.
183. Jugessur, A., Shi, M., Gjessing, H.K., Lie, R.T., Wilcox, A.J., Weinberg, C.R., Christensen, K., Boyles, A.L., Hirsch, S.-D., Trung, T.N., Bille, C., Lidral, A.C., and Murray, J.C. Genetic determinants of facial clefting: Analysis of 357 candidate genes using two national cleft studies from Scandinavia. PLOS One **4**(4): e5385, 2009.
184. Kistner, E. O., Shi, M. and Weinberg, C.R. Using cases and parents to study multiplicative gene-by-environment interaction. American Journal of Epidemiology **170**(3): 393-400, 2009. (PMID 19483188; PMCID PMC2733309)
185. Love, L.A., Weinberg, C.R., McConaughy, D.R., Oddis, C.V., Medsger, T.A., Reveille, J.D., Arnett, F.C., Targoff, I.N., Miller, F.W. Ultraviolet radiation intensity predicts the relative distribution of dermatomyositis and Anti-Mi-2 auto-antibodies in women. Arthritis and Rheumatism **60**(8): 2499-2501, 2009. (PMID 196448771; PMCID PMC2855681)
186. Weinberg, C.R. and Shi, M. The genetics of preterm birth: Using what we know to design better association studies. American Journal of Epidemiology **170**(11): 1373-81, 2009. (PMID 19854804; PMCID PMC2800265)
187. Saldana, T.M., Basso, O., Baird, D.D., Hoppin, J.A., Weinberg, C.R., Blair, A., Alavanja, M.C.R., Sandler, D.P. Pesticide exposure and hypertensive disorders during pregnancy. Environmental Health Perspectives **117**(9): 1393-6, 2009 (PMID 19750103; PMCID PMC2737015).
188. Baird, D.D., Saldana, T.M., Nepomnaschy, P.A., Hoppin, J.A., Longnecker, M.P., Weinberg, C.R., Wilcox, A.J. Within-Person Variability in Urinary Phthalate Metabolite Concentrations: Measurements from Specimens after Long-Term Frozen Storage. Journal of Exposure Science and Environmental Epidemiology, **20**(2): 169-75, 2010 (PMID 19277068).
189. Jukic, A.M., Weinberg, C.R., Wilcox, A.J. and Baird D.D. Effects of early pregnancy loss on hormone levels in the subsequent menstrual cycle. Gynecological Endocrinology, **26**(12): 897-901, 2010 (PMID 20504096; PMCID

PMC3057575).

190. Shi, M., Umbach, D.M., and Weinberg, C.R. Testing haplotype-environment interaction using case-parent triads. Human Heredity **70**(1): 23-33, 2010 (PMID 20413979; PMCID PMC2912643).
191. Jugessur, A., Shi, M., Gjessing, H.K., Lie, R.T., Wilcox, A.J., Weinberg, C.R., Christensen, K., Boyles, A.L., Daack-Hirsch, S., Nguyen, T.T., Christiansen, L., Lidral, A.C. and Murray, J.C. Maternal genes and facial clefts in offspring: A comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. PLOS One, **5**(7) e11493, 2010 (PMID 20634891; PMCID PMC2901336).
192. Jugessur, A., Shi, M., Gjessing, H.K., Lie, R.T., Wilcox, A.J., Weinberg, C.R., Christensen, K., Boyles, A.L., Daack-Hirsch, S., Nguyen, T.T., Christiansen, L., Lidral, A.C. and Murray, J.C. Fetal genetic risk of isolated cleft lip only versus isolated cleft lip and palate: A subphenotype analysis using two population-based studies of orofacial clefts in Scandinavia. Birth Defects Research Part A: Clinical and Molecular Teratology **91**(2): 85-92, 2011 (PMID 21319277; PMCID PMC3407039).
193. Shi, M., Chiu, G.Y., Hancock, D.B., London, S.J., Zaykin, D., Weinberg, C.R. Using imputed genotypes for relative risk estimation in case-parent studies. American Journal of Epidemiology **173**(5): 553-9, 2011 (PMID 21296892; PMCID PMC3291117).
194. Shi, M., Umbach, D.M., Weinberg, C.R. Family-based gene-by-environment interaction studies: Revelations and remedies. Epidemiology **22**(3):400-7, 2011 (PMID 21490534; PMCID PMC3132804).
195. Gao, J., Xu, H., Weinberg, C., Huang, X., Park, Y., Hollenbeck, A., Blair, A., Schatzkin, A., Burch, L., Chen, H. An exploratory study on the CHRNA3-CHRNA5-CHRNA4 cluster, smoking and Parkinson's disease. Neurodegenerative Diseases **8**(5): 296-9, 2011 (PMID 21228559).
196. Jukic, A.M.Z., Weinberg, C.R., Baird, D.D. and Wilcox, A.J. The association of maternal factors with delayed implantation and the initial rise of urinary human chorionic gonadotropin (hCG). Human Reproduction **26**(4): 920-6, 2011 (PMID 21292636; PMCID PMC3057753).
197. Saha-Chaudhuri, P., Umbach, D.M. and Weinberg, C.R. Pooled exposure assessment for matched case-control studies. Epidemiology **22**(5): 704-12, 2011 (PMID 21747285; PMCID PMC3160274).
198. Weinberg, C.R., Shi, M. and Umbach D.M. A sibling-augmented case-only design for assessing multiplicative gene-environment interaction. American Journal of

Epidemiology **174**(10): 1183-9, 2011 (PMID 22021562; PMCID PMC3246688).

199. Kim, S., Sandler, D.P., Carswell, G., DeRoo, L., Parks, C.G., Cawthon, R., Weinberg, C.R. Taylor, J.A. Telomere length in peripheral blood and breast cancer risk in a prospective case-cohort analysis: Results from the Sister Study. Cancer Causes and Control **22**(7): 1061-6, 2011 (PMID 21643930; PMCID PMC3445257).
200. O'Hanlon, T.P., Rider, L.G., Gan, L., Fannin, R., Paules, R.W, Umbach, D.M., Weinberg, C., Shah, R., Mav, D., Gourley, M.F., Miller, F.W. Gene expression profiles from discordant monozygotic twins suggest that molecular pathways are shared among multiple systemic autoimmune diseases. Arthritis Res Ther **13**(2); R69, 2011 (PMID 21521520; PMCID PMC3132064).
201. Wilcox, A.J., Weinberg, C.R., Basso, O. On the pitfalls of adjusting for gestational age at birth. American Journal of Epidemiology **174**(9): 1062-8, 2011 (PMID 21946386; PMCID PMC3243938).
202. Shi M, Weinberg CR. How much are we missing in SNP-by-SNP analyses of genome-wide association studies? Epidemiology 2011;22(6):845-7.
203. Xu, T., Weinberg, C.R., Umbach, D.M. and Li, L. coMOTIF: A mixture framework for identifying transcription factor and a co-regulator motif in ChIP-seq data. Bioinformatics **27**(19): 2625-32, 2011 (PMID 21775309; PMCID PMC3179653).
204. Wacholder, S., Han, S.S. and Weinberg, C.R. Inference from a multiplicative model of joint genetic effects on ovarian cancer risk. Commentary, Journal of the National Cancer Institute **103**(2): 82-83, 2011 (PMID 21169538; PMCID PMC3022621).
205. Kim, S., Sandler, D.P., Carswell, G., Weinberg, C.R., Taylor, J.A. Reliability and short-term intra-individual variability of telomere length measurement using monochrome multiplexing quantitative PCR. Plos ONE **6**(9):e25774, 2011 (PMID 21984947; PMCID PMC3184167).
206. Park, J.-H., Gail, M.H., Weinberg, C.R., Carroll, R., Chung, C., Wang, Z., Chanock, S., Fraumeni, J.F., Chatterjee, N. Genome-wide association studies provide empirical insight to distribution of allele frequencies, effect-sizes and their interrelationships for common susceptibility variants. PNAS **108**(44): 18026-31, 2011 (PMID 22003128; PMCID 3207674).
207. Mechanic, L., Chen, H-S., Amos, C.I., Chatterjee, N., Cox, N.J., Divi, R.L., Fan, R., Harris, E.L., Jacobs, K., Kraft, P., Leal, S.M. McAllister, K., Roeder, K., Schaid, D.J., Stephens, M., Thomas, D.C., Weinberg, C.R., Witte, J.S., Zhang, S., Zöllner, S., Feuer, E.J., Gillanders, E.M. Next generation analytic tools for large scale genetic epidemiology studies of complex diseases. Genetic Epidemiology **36**(1):22-

- 35, 2012 (PMID 22147673; PMCID PMC3368075).
208. Weinberg, C.R. Interaction and exposure modification: Are we asking the right questions? American Journal of Epidemiology, **175**(7): 602-5, 2012 (PMID 22306562; PMCID PMC3324436).
 209. Fei, C., Weinberg, C.R., Olsen, J. Perfluorinated chemicals and time to pregnancy: A link based on reverse causation? Epidemiology, **23**(2): 264-6, Mar, 2012 (PMID 22317809).
 210. Fei, C., DeRoo, L., Sandler, D.P. and Weinberg, C.R. Fertility drugs and young-onset breast cancer: Results from the Two Sister Study. Journal of the National Cancer Institute **104**(13): 1021-7, 2012 (PMID 22773825).
 211. Weinberg, C.R. Invited Commentary: Thoughts on assessing evidence for gene by environment interaction. International Journal of Epidemiology **41**(3): 705-7, 2012 (PMID 22596932; PMCID PMC3481886).
 212. Howards, P.P., Schisterman, E.F., Poole, C.P., Kaufman, J.S. and Weinberg, C.R. "Toward a clearer definition of confounding" revisited with directed acyclic graphs. American Journal of Epidemiology **176**(6): 506-11, 2012. (PMID 22904203; PMCID PMC3530354).
 213. Xu, Z., Bolick, S.C.E., DeRoo, L.A., Weinberg, C.R., Sandler, D.P., and Taylor, J.A. An epigenome-wide association study of breast cancer using prospectively collected Sister Study samples Journal of the National Cancer Institute **105**(10): 694-700, 2013 (PMID 23578854).
 214. D'Aloisio, A.A., DeRoo, L.A., Baird, D.D., Weinberg, C.R., and Sandler, D.P. Prenatal and infant exposures and age at menarche. Epidemiology **24**(2): 277-84, 2013 (PMID 23348069; PMCID PMC3563843).
 215. Fei, C, DeRoo, L.A., Sandler, D.P., and Weinberg, C.R. Menopausal symptoms and risk of young-onset breast cancer. European Journal of Cancer **49**(4): 798-804, 2013. (PMID 23021929; PMCID PMC3552002)
 216. Saha Chaudhuri, P. and Weinberg, C.R. Specimen pooling for efficient use of bio-specimens in studies of time to a common event. American Journal of Epidemiology **178**(1): 126-135, 2013 (PMID 23821316).
 217. Lin, D., Weinberg, C.R., Feng, R., Hochner, H. and Chen, J. A multi-locus likelihood method for assessing parent-of-origin effects using case-control mother-child pairs. Genetic Epidemiology **37**(2): 152-62, 2013. (PMID 23184538)

218. Shi, M, Umbach, D.M., Weinberg, C.R. Case-sibling studies that acknowledge unstudied parents and permit the inclusion of unmatched individuals. International Journal of Epidemiology **42**(1): 298-307, 2013 (PMID 23248214)
219. Godfrey, A.C., Xu, Z., Weinberg, C.R., Getts, R.C., Wade, P.A., DeRoo, L.A., Sandler, D.P. and Taylor, J.A. Serum microRNA expression as an early marker for breast cancer risk in prospectively collected samples from the Sister Study cohort. Breast Cancer Research **15**(3): R42, 2013 (PMID 23705859).
220. Jukic, A.M., Baird, D.D., Weinberg, C.R., McConnaughey, D.R., Wilcox, A.J. Length of human gestation and contributors to its natural variation. Human Reproduction **28**(10): 2848-55, 2013 (PMID: 23922246).
221. Hutter, C.M., Mechanic L.E., Chatterjee, N., Kraft, P., Gillanders, E.M. [Abnet C.C.](#), [Amos C.](#), [Balshaw D.](#), [Bickebölller H.](#), [Bierut L.J.](#), [Boffetta P.](#), [Bondy M.](#), [Chanock S.](#), [Chen H.S.](#), [Cox N.](#), [Divi R.](#), [Dupuis J.](#), [Ellison G.](#), [Fallin M.D.](#), [Gauderman W.J.](#), [Gillanders E.](#), [Haiman C.](#), [Hutter C.](#), [Simonds N.I.](#), [Iversen E.](#), [Khoury M.J.](#), [Le Marchand L.](#), [Lin D.](#), [McAllister K.](#), [Peters U.](#), [Prentice R.](#), [Rebbeck T.](#), [Reedy J.](#), [Rothman N.](#), [Schully S.](#), [Seminara D.](#), [Shaughnessy D.](#), [Shete S.](#), [Spiegelman D.](#), [Stram D.O.](#), [Thomas D.](#), [Wang M.](#), [Wang W.](#), [Weinberg C.](#), [Winn D.M.](#), [Witte J.S.](#) Gene-environment interactions in cancer epidemiology: a National Cancer Institute Think Tank report. Genetic Epidemiology **37**(7): 643-57, 2013. (PMID: 24123198).
222. DeRoo, L.A., Bolick, S.C.E., Xu, Z., Umbach, D.M., Shore, D., Weinberg, C.R., Sandler, D.P., Taylor, J.A. Global DNA methylation and one-carbon metabolism gene polymorphisms and the risk of breast cancer in the Sister Study. Carcinogenesis **35**(2): 333-8, 2014. (PMID: 24130171)
223. Dinse, G.E., Jusko, T.A., Ho, L.A., Graubard, B.I., Hertz-Picciotto, I., Gillespie, B.W., Annam, K., Miller, F.W., Weinberg, C.R. Accommodating measurements below a limit of detection: A novel application of Cox regression. American Journal of Epidemiology **179**(8): 1018-24, 2014. (PMID: 24671072)
224. Shi, M, Umbach, D.M., Weinberg, C.R. Disentangling pooled triad genotypes for association studies. Annals of Human Genetics **78**(5): 345-56, 2014. (PMID: 24962618)
225. Parks, C.G., Miller, F. Satoh, M. Chan, E.K.L., Andruschenko, Z., Birnbaum, L.S., Jusko, T.A., Kissling, G.E., Mehul, D.P., Rose, K.M., Weinberg, C.R., Zeldin, D.C., Sandler, D.P. Reproductive and hormonal risk factors for antinuclear antibodies (ANA) in a representative sample of U.S. women. Cancer Epidemiol Biomarkers Prev **23**(11): 2492-502, 2014. (PMID: 25086100)

226. Weinberg, C.R. and Umbach, D.M. Correction to “Using pooled exposure assessment to improve efficiency in case-control studies.” (vol 55, p 718, 1999) Biometrics **70**(4):1061-1061, 2014.
227. O’Brien, K., Fei, C., Sandler, D.P., Nichols, H.B., DeRoo, L.A. and Weinberg, C.R. Hormone therapy and young-onset breast cancer. American Journal of Epidemiology **181**(10): 799-807, 2015. (PMID 25698646)
228. Pearce, N, Blair A., Vineis, P. Ahrens, W., Andersen, A., Anto, J.M., Armstrong, B.K., Baccarelli, A., Beland, F.W., Berrington, A., Bertazzi, P.A., Birnbaum, L., Ross Brownson, John Bucher, Kenneth Cantor, Elisabeth Cardis, John W Cherrie, David Christiani, Pierluigi Cocco, David Coggon, Pietro Comba, Paul A. Demers, John Dement, Jeroen Douwes, Ellen Eisen, Lawrence Engel, Richard Fenske, Lora Fleming, Tony Fletcher, Elizabeth Fontham, Francesco Forastiere, Rainer Frentzel-Beyme, Lin Fritschi, Michel Gerin, Marcel Goldberg, Philippe Grandjean, Tom K. Grimsrud, Per Gustavsson, Andy Haines, Patricia Hartge, Johnni Hansen, Michael Hauptmann, Dick Heederik, Kari Hemminki, Denis Hemon, Irva Hertz-Picciotti, Jane A. Hoppin, James Huff, Bengt Jarvholm, Daehee Kang, Margaret Karagas, Kristina Kjaerheim, Helge Kjuus, Manolis Kogevinas, David Kriebel, Petter Kristensen, Hans Kromhout, Francine Laden, Pierre Lebaillly, Grace Lemasters, Jay Lubin, Charles Lynch, Elsebeth Lynges, Andreat Mannetje, Tony McMichael, John R. McLaughlin, Loraine Marrett, Marco Martuzzi, James Merchant, Franco Merletti, Anthony Miller, Franklin Mirer, Richard Monson, Karl-Kristian Nordby, Andrew Olshan, Marie-Elise Parent, Frederica Perera, Melissa J. Perry, Angela Cecilia Pesatori, Roberta Pirastu, Miquel Porta, Eero Pukkala, Carol Rice, David Richardson, Leonard Ritter, Beate Ritz, Cecile E. Ronckers, Lesley Rushton, Jennifer Rusiecki, Ivan Rusyn, Jonathan Samet, Dale P. Sandler, Silva de Sanjose, Eva Schernhammer, Adele Seniori Costantini, Noah Seixas, Carl Shy, Jack Siemiatycki, Debra Silvermann, Lorenzo Simonato, Allan H. Smith, Martyn Smith, John J. Spinelli, Margaret R. Spitz, Lorann Stallones, Leslie Stayner, Kyle Steenland, Mark Stenzel, Bernard W. Stewart, Patricia A. Stewart, Elaine Symanski, Benedetto Terracini, Paige Tolbert, Harri Vainio, John Vena, Roel Vermeulen, Cesar Victora, Elizabeth Ward, Clarice Weinberg, Dennis Weisenburger, Catharina Wesseling, Elisabete Weiderpass, Shelia Hoar Zahm. IARC Monographs: 40 years of evaluating carcinogenic hazards to humans. Environmental Health Perspectives **123**(6): 507-514,2015. (PMID: 25712798)
229. Wise, A.S.*, Shi, M.* and Weinberg, C.R. Learning about the X from our parents. Frontiers in Genetics, Feb 10; **6**:15, 2015 (PMID: 25713581). (*shared first-authorship)
230. Weinberg, C.R., Shi, M., DeRoo, L., Basso, O., Skjaerven, R. Season and preterm birth in Norway: A cautionary tale. International Journal of Epidemiology, **44**(3): 1068-78, 2015. doi: 10.1093/ije/dyv100. (PMID: 26045507) (Selected as NIEHS Paper of the Month)

231. Shi, M., Umbach, D.M. and Weinberg, C.R. Using parental phenotype data in case-parent studies. Frontiers in Genetics, June 23; 6: 221, 2015. (PMID: 26157456)
232. Jukic, A.M., Calafat, A.M., McConnaughey, D.R., Longnecker, M.P., Hoppin, J.A., Weinberg, C.R., Wilcox, A.J., Baird, D.D. Urinary concentrations of phthalate metabolites and bisphenol-A and follicular phase length, fecundability, and early pregnancy loss. Environmental Health Perspectives **124**(3): 321-8, 2016. (PMID: 26161573) (Selected as NIEHS Paper of the Month)
233. Weinberg, C.R. and Zaykin, D. Is bad luck the main cause of cancer? J National Cancer Inst **107**(7): 2015. (PMID: 25956173) (Selected as NIEHS Paper of the Month)
234. Buchanan, N.D., Dasari, S., Rodriguez, J.L., Smith, J.L., Hodgson, E., Weinberg, C.R., Sandler, D.P. Post-treatment neurocognition and psychosocial care among breast cancer survivors. American Journal of Preventive Medicine **49**(6): Supplement 5: S498-S508, December, 2015. (PMID 26590645)
235. Shi, M., DeRoo, L.A., Taylor, J., Sandler, D.P., Weinberg, C.R. Migraine and possible etiologic heterogeneity for hormone-receptor-negative breast cancer. Scientific Reports, October 12; 5:14943, 2015. (PMID: 26456840)
236. O'Brien, K.M., Sun, J., Sandler, D.P., DeRoo, L.A. and Weinberg, C.R. Risk factors for young-onset invasive and *in situ* breast cancer. Cancer Causes and Control, September 25, 2015. (PMID: 26407954)
237. Reding, K.W., Young, M.T., Szpiro, A.A., Sandler, D.P., DeRoo, L.P., Weinberg, C.R., Kaufman, J.D. Breast cancer risk in relation to air pollution in the Sister Study cohort of 50,844 women. Cancer Epidemiology Biomarkers and Prevention, **24**(12): 1907-9, 2015. (PMID: 26423911)
238. Weinberg, C.R. Troubling trends in birth weight. Commentary RE AJE-0036-2015 "Decreasing birth weight and race disparities: are all babies getting smaller?" invited commentary, American Journal of Epidemiology **183**(1): 24-5, 2016. (PMID: 26667252)
239. Dinse, G.E., Jusko, T.A., Whitt, I.Z., Co, C.A., Parks, C.G., Satoh, M., Chan, E.K.L., Rose, KM, Walker, N.J., Birnbaum, L.S., Zeldin, D.C., Weinberg, C.R., Miller, F.W. Associations between selected xenobiotics and antinuclear antibodies in the National Health and Nutrition Examination Survey, 1999-2004. Environmental Health Perspectives **124**(3): 426-36, 2016. (PMID: 26252071)
240. O'Brien, K.M., Upson, K., Cook, N. and Weinberg, C.R. Environmental chemicals in urine and blood: Improving methods for creatinine and lipid adjustment. Environmental Health Perspectives **124**(2): 220-7, 2016. (PMID: 26219104)

241. Jukic, A.M.Z., McConnaughey, D.R., Weinberg, C.R., Wilcox, A.J. and Baird, D.D. Long-term recall of time to pregnancy. Epidemiology, Sep;**27**(5):705-11, 2016. (PMID: 27487038)
242. Chen, L., Weinberg, C.R. and Chen, J. Using family members to augment genetic case-control studies of a life-threatening disease. Statistics in Medicine **35**(16): 2815-30, 2016. (PMID: 26866629)
243. Lyles, R.H., Mitchell, E.M., Weinberg, C.R., Umbach, D.M., Schisterman, E.F. An efficient design strategy for logistic regression using outcome- and covariate-dependent pooling of biospecimens prior to assay. Biometrics, Sep;**72**(3):965-75, 2016. (PMID: 26964741)
244. O'Brien, K.M.*, Shi, M.*, Taylor, J.A., Keller, J., Wise, A., Zaykin, D., Sandler, D.P., Weinberg, C.R. A family-based genome-wide association study of young-onset breast cancer: Inherited variants and maternally-mediated effects. European Journal of Human Genetics Aug;**24**(9):1316-23, 2016. (*Joint first authors.) (PMID: 26883092)
245. Wise, A.S.*, Shi, M.* and Weinberg, C.R. Family-based multi-SNP X-chromosome analysis using parent information. Frontiers in Genetics #178821, Feb 22;**7**:20, 2016. (*Joint first authors.) (PMID: 26941777)
246. Gonzalez, N., O'Brien, K.M, D'Aloisio, A., Sandler, D.P.* and Weinberg, C.R.* Douching, talc use, and risk of ovarian cancer. (*shared senior authors) Epidemiology **27**: 797-802, 2016. (PMID: 27327020)
247. High, M., Marzec, J., Wiltshire, T., Verhein, K.C., Ciencewicki, J., McCaw, Z.R., Kobzik, L, Miller-DeGraff, L., Gladwell, L, Serra, M.E., Shi, M., Weinberg, C., Peden, D.B., Cho, H.-Y., Suzuki, O., Wang, X., Bell, D.A., Polack, F.P., Kleeberger, S.R. Determinants of host susceptibility to murine respiratory syncytial virus (RSV) disease identify a role for the innate immunity scavenger receptor MARCO gene in human infants. eBiomedicine, **11**: 73-84, 2016, Aug 6. pii: S2352-3964(16)30360-7. doi: 10.1016/j.ebiom.2016.08.011. (PMID: 27554839)
248. Mazul, A.L., Siega-Riz, A.M., Weinberg, C.R., Engel, S.M., Zou, F., Carrier, K., Basta, P.V., Vaksman, Z., Maris, J.M., Diskin, S.J., Maxen, C., Naranjo, A., Olshan, A.F. A family-based study of gene variants and maternal folate and choline in neuroblastoma: A report from the Children's Oncology Group. Cancer Causes and Control Oct; **27**(10):1209-18, 2016. (PMID: 27541142)
249. Milne RL, Kuchenbaecker KB, Michailidou K, Beesley J, Kar S, Lindström S, Hui S, Lemaçon, A, Soucy P, Jian X, Finucane H, Dennis J, Bolla MK, McGuffog L, [multiple contributing authors in alphabetical order including Weinberg, C.R.], Gago-Dominguez M, Mannermaa A, Olsson H, Teixeira MR, Stone J, Offitt K, Ottini L, Park SK, Thomassen M, Hall P, Meindi A, Schutzler RK, Droit A, Bader

- G, Pharoah PDP, Couch FJ, Easton DF, Kraft P, Chenevix-Trench G, García-Closas M, Schmidt MK, Antoniou AC, Simard J. Identification of ten variants associated with risk of estrogen-receptor-negative breast cancer. Nature Genetics, October 23, 2017. (PMID: 29058716)
250. White, A.J., DeRoo, L.A., Weinberg, C.R., Sandler, D.P. Lifetime alcohol intake, binge drinking behaviors and breast cancer risk. American Journal of Epidemiology, **186**(5): 541-9, 2017. (PMID: 28486582)
251. O'Brien, K.M., Whelan, D.R., Sandler, D.P., and Weinberg, C.R. Eating disorders and breast cancer. Cancer Epidemiology, Biomarkers and Prevention, **26**(2): 206-211, 2017. (PMID: 27756775)
252. Chin, H., Baird, D.D., McConaughy, D.R., Weinberg, C.R., Wilcox, A.J., Jukic, A.M. Long-term recall of pregnancy-related events. Epidemiology **28**(4): 575-79, 2017.
253. Shi, M. *, O'Brien, K. M. *, Sandler, D.P., Taylor, J.A., Zaykin, D., Weinberg, C.R. Previous GWAS hits in relation to young-onset breast cancer. Breast Cancer Research and Treatment **161**(2): 333-344, 2017. (*co-first-authors) (PMID: 27848153)
254. Phelan, C.M., Kuchenbaecker, K.B., Tyrer, J.P., Kar, S.P., Lawrenson, K., Winham, S.J., Dennis, J., Pirie, A., Riggan, M., Chornokur, G., Earp, M.A., Lyra, P.C., Le, J.M., Coetzee, S., Geesley, J., McGuffog, L., Soucy, P., Dicks, E., Lee, A., Barrowdale, D., Lecarpentier, J., Leslie, G., [multiple contributing authors in alphabetical order including Weinberg, C.R.], Narod, S.A., Easton, D.F., Amos C.I., Schildkraut, J.M., Ramus, S.J., Ottini, L., Goodman, M.T., Park, S.K., Kelemen, L.E., Risch, H.A. Thomassen, M., Offit, K., Simard, J., Schmutzler, R.K., Hazelett, D., Monteiro, A.N., Couch, F.J., Berchuck, A., Chenevix-Trench, G., Goode, E.L., Sellers, T.A., Gayther, S.A., Antoniou, A.C., Pharoah, P.D.P. Identification of twelve new susceptibility loci for different histotypes of epithelial ovarian cancer. Nature Genetics **49**(5): 680-91, 2017. (PMID: 28346442)
255. O'Brien, K.M., Taylor, J., Sandler, D.P., Weinberg, C.R. Serum vitamin D and breast cancer within five years. Environmental Health Perspectives **125**(7): 077004, 2017. (PMID: 28728134) (Selected as Intramural Paper of the Month, September, 2017)
256. Weinberg, C.R, Shi, M., Harmon, Q., Wilcox, A.J., Basso, O., Skjaerven R. Season of conception, smoking and preeclampsia in Norway Environmental Health Perspectives, **125**(6): 2017. (PMID: 28669933) (selected as NIEHS Paper of the Month, 9/17)
257. Park, Y-M.M., O'Brien, K.M., Zhao, S., Weinberg, C.R., Baird, D.D., Sandler, D.P. Gestational diabetes mellitus may be associated with increased risk of breast cancer.

British Journal of Cancer, Epub, 2017 (PMID 28208154).

258. Weinberg, C.R. Self-control is a virtue: Comments on Maclure, M. “The case-crossover design: A method for studying transient effects on the risk of acute events” American Journal of Epidemiology **133**(2): 133: 144-53, 1991. American Journal of Epidemiology, 2017. (PMID: 28535173)
259. Anderson C, Sandler DP, Weinberg CR, Houck K, Chunduri M, Hodgson, ME, Sabatino S, White MC, Rodriguez JL, Nichols HB. Age- and treatment-related associations with health behavior change among breast cancer survivors. The Breast **33**: 1-7, 2017. (PMID: 28254640)
260. Park, Y-M M., White, A.J., Nichols, H.B., O’Brien, K.M., Weinberg, C.R., Sandler, D.P. The association between metabolic health, obesity phenotype and the risk of breast cancer. International Journal of Cancer **140**(12): 2657-2666, 2017. (PMID: 28268252)
261. Weinberg, C.R. Can issues with reproducibility in science be blamed on hypothesis testing? American Journal of Epidemiology **186**(6): 636-8, 2017. (PMID: 28938713)
262. Wang, C., Chen, R, Shi, M., Cai, J., Shi, J., Yang, C., Li, H., Lin, Z., Meng, X., Liu, C., Niu, Y., Xia, Y., Zhao, Z., Kan, H., Weinberg, C.R. Possible mediation by methylation in acute inflammation following personal exposure to fine-particulate air pollution. American Journal of Epidemiology, **187**(3): 484-493, 2018. (PMID: 29020142)
263. O’Brien, K.M., Whelan, D.R., Hall, J.E., Sandler, D.P., Weinberg, C.R. Predictors and long-term health consequences of eating disorders. PLoS One, **12**(7), 2017. (PMID: 28700663)
264. White, A.J., Weinberg, C.R., Park, Y.-M., D’Aloisio, A.A., Vogtman, E., Nichols, H.B., and Sandler, D.P. Sleep characteristics, light at night and breast cancer risk in a prospective cohort. International Journal of Cancer **141**(11): 2204-2214, 2017. (PMID: 28791684)
265. O’Brien, K.M., Sandler, D.P., Kinyamu, H.K., Taylor, J.A., Weinberg, C.R. Single nucleotide polymorphisms in vitamin D-related genes may modify vitamin D-breast cancer associations. Cancer Epidemiology, Biomarkers and Prevention **26**(12) 1761-1771, 2017 (PMID: 28830764)
266. Saha-Chaudhuri, P. and Weinberg, C.R. Addressing data privacy via virtual pooling. BMC Medical Research Methodology **17**(1): 136, 2017. (PMID: 28882105)

267. Kyriaki Michailidou, Sara Lindström, Joe Dennis, Jonathan Beesley, Shirley Hui^{1,7}, Siddhartha Kar, Audrey Lemaçon, Penny Soucy, Dylan Glubb, Asha Rostamianfar, Manjeet K. Bolla, QinWang, Jonathan Tyrer, Ed Dicks, Andrew Lee, Zhaoming Wang, Jamie Allen, Renske Keeman, Ursula Eilber, Juliet D. French, Xiao Qing Chen, Laura Fachal, Karen McCue, Amy E. McCart Reed, Maya Ghousaini, Jason Carroll, Xia Jiang, Hilary Finucane, [multiple contributing authors in alphabetical order including Weinberg, C.R.], ABCTB Investigators, kConFab/AOCS Investigators, Sunil R. Lakhani, Antonis C. Antoniou, Arnaud Droit, Irene L. Andrulis, Christopher I. Amos, Fergus J. Couch, Paul D.P. Pharoah, Jenny Chang-Claude, Per Hall, David J. Hunter, Roger L. Milne, Montserrat García-Closas, Marjanka K. Schmidt, Stephen J. Chanock, Alison M. Dunning, Stacey L. Edwards, Gary D. Bader, Georgia Chenevix-Trench, Jacques Simard, Peter Kraft, Douglas F. Easton. Association analysis identifies 65 new breast cancer risk loci. Nature, 551(7678): 92-94, 2017. (PMID: 29059683)
268. Dinse, G.E., Parks, C.G., Weinberg, C.R., Meier, H.C.S., Co, C.A., Chan, E.K.L., Miller, F.W. Antinuclear antibodies and mortality in the National Health and Nutrition Examination Survey (1999-2004). PLoS One 12(10), October 9, 2017. (PMID 29016697)
269. Sandler, D.P., Hodgson, M.E., Deming-Halvorson, S.L., Juras, P., D'Aloisio, A., Suarez, L.M., Kleeberger, C.A., Shore, D.L., DeRoo, L.A., Taylor, J.A., Weinberg, C.R. and the Sister Study Team (Armsby, P., Bilhorn, A., Carroll, H., Bittner, D., Jesrani, R., Jones, A., Khodosh, I., Scheier, C., Schwingl, P., Ter Maat, J., Revak, E., Young, T., Yucel, F.) The Sister Study Cohort; Baseline methods and participant characteristics. Environmental Health Perspectives 125(12), 2017. (PMID: 29373861)
270. Kleeberger, C., Shore, D., Genter, E., Sandler, D.P. and Weinberg, C.R. The effects of long-term frozen storage on commonly-measured serum analyte levels. Epidemiology, 29(3): 448-52, 2018. (PMID: 29384792)
271. Jukic, A.M.Z., Wilcox, A.J., McConaughy D. R., Weinberg, C.R., Steiner, A.Z. 25-hydroxyvitamin D (25(OH)D) and long menstrual cycles in a prospective cohort study. Epidemiology, 29(3): 388-396, 2018. (PMID: 29337846)
272. Basso, O., Weinberg, C.R., D'Aloisio, A.A., and Sandler, D.P. Maternal age at birth and daughters' subsequent childlessness. Human Reproduction 33(2): 311-319, 2018. (PMID 29211842)
273. Shi, M., Umbach, D.M., Wise, A.S., Weinberg, C.R. Simulating autosomal genotypes with realistic linkage disequilibrium and a spiked-in genetic effect. BMC Bioinformatics, 19(1): 2, 2018. (PMID: 29291710)
274. White, M., Soman, A., Weinberg, C.R., Rodriguez, J., Sabatino, S., Peipins, L., DeRoo, L, Nichols, H.B., Hodgson, M.E. and Sandler, D.P. Factors associated with

- breast MRI use among women with a family history of breast cancer. The Breast Journal **24**(5): 764-771, 2018 (PMID: 29781100) (<https://onlinelibrary.wiley.com/doi/abs/10.1111/tbj.13063>).
275. Harmon, Q., Weinberg, C.R., Basso, O., and Wilcox, A.J. Two denominators for one numerator: the case of neonatal mortality. European Journal of Epidemiology, **33**(6): 523-30, 2018. (PMID 29516296)
276. Jukic, A.M., Baird, D.D., Wilcox, A.J., Weinberg, C.R., Steiner, A.Z. 25-hydroxyvitamin D (25(OH)D) and biomarkers of ovarian reserve. Menopause, **25**(7): 811-816, 2018. (PMID: 29509595)
277. O'Brien, K.M., Sandler, D.P., Shi, M., Taylor, J.A., Weinberg, C.R. Genome-wide association study of serum 25-hydroxyvitamin D in US women. March 1, 9:67, Frontiers in Genetics, 2018. (PMID: 29545823)
278. Wu, L., Shi, W., Jirong, L., Guo, X., Michailidou, K., Beesley, J., Bolla, M.K., Shu, X-O., Lu, Y., Cai, Q., Al-Ejeh, F., Rozali, E., Wang, Q., Dennis, J., Li, B., Zeng, C., Feng, H., Gusev, A., Barfield, R.T. [alphabetically listed authors including Weinberg, C.R.] Dunning, A., Pharoah, P.D.P., Simard, J., Milne, R.L., Edwards, S.L., Kraft, P., Easton, D.F., Chenevix-Trench, G., Zheng, W. A transcriptome-wide association study of 229,000 women of European descent identifies new candidate susceptibility genes for breast cancer. Nature Genetics, **50**(7): 968-78, 2018. (PMID: 29915430)
279. O'Brien, K.M., White, A.J., Sandler, D.P., Jackson, B.P., Karagas, M.R., Weinberg, C.R. Do post-breast cancer diagnosis toenail trace element concentrations reflect pre-diagnostic concentrations? Epidemiology, **30**(1): 112-119, 2018. (PMID 30256233)
280. O'Brien, K.M., Sandler, D.P., Xu, X., Kinyamu, H.K., Taylor, J.A.*, Weinberg, C.R.* Vitamin D, DNA methylation, and breast cancer. Breast Cancer Research **20**(1):70, 2018, *co-senior authors. <https://rdcu.be/2STi> (PMID 29996894)
281. Bauer, A.E., Avery, C.L., Shi, M, Weinberg, C.R, Olshan, A.F., Harmon, Q.E., Luo, J., Yang, J., Manuck, T.A., Wu, M.C., Williams, N., McGinnis, R., Morgan, L., Klungsoyr, K., Trogstad, L., Magnus, P., Engel, S.M. A family-based study of carbon monoxide and nitric oxide signaling genes and preeclampsia, Paediatric and Perinatal Epidemiology **32**(1): 1-12, 2018.
282. Shu, X., Wu, L., Khankari, NK, Shu, X-O., Wang, T., Michailidou, K., Bolla, M.K., Wang, Q., Dennis, J., [other authors, including Weinberg, C.R.], Simard, JI, Easton, D.F., Zheng, W. Associations of obesity and circulating insulin and glucose with breast cancer risk: A Mendelian randomization analysis. International Journal of Epidemiology, **48**(3): 795-806, 2019. (PMID: 30277539)

283. Chin, H.B., Jukic, A.M., Wilcox, A.J., Weinberg, C.R., Ferguson, K.K., Calafat, A.M., McConaughy, D.R., Baird, D.D. Association of urinary concentrations of phthalate metabolites and bisphenol A with early pregnancy endpoints. Oct 1; **168**: 254-60, Environmental Research, 2019. (PMID: 30321738)
284. Nichols, H.B., Schoemaker, M.J., Cai, J., Xu, J., Wright, L.B., Brook, M.N., Jones, M.E., Adami, H-O., Baglietto, L., Bertrand, K.A., Blot, W.J., Boutron-Ruault, M-C., Dorransoro, M., Dossus, L., Eliassen, A.H., Giles, G.G., Hankinson, S.E., Hoffman-Bolton, J., Kaaks, R., Key, T.J., Kitahara, C.M., Larsson, S.C., Linet, M., Merritt, M.A., Milne, R.L., Palmer, J.R., Peeters, P.H., Riboli, E., Sund, M., Tamimi, R.M., Tjønneland, A., Trichopoulou, A., Vatten, L., Visvanathan, K., Weiderpass, E., Wolk, A., Zheng, W., Weinberg, C.R., Swerdlow, A.J., Sandler, D.P. Breast cancer risk after recent childbirth: A pooled analysis of 15 prospective studies. Annals of Internal Medicine, **170**(1): 22-30, 2019.
285. Nasim Mavaddat, Kyriaki Michailidou, Joe Dennis, Michael Lush, Laura Fachal, Andrew Lee, Jonathan P. Tyrer, Ting-Huei Chen, Qin Wang, Manjeet K. Bolla, Xin Yang, [other consortium authors listed alphabetically, including Weinberg, C.R.] Alison M. Dunning, Deborah J. Thompson, Georgia Chenevix-Trench, Jenny Chang-Claude, Marjanka K. Schmidt, Per Hall, Roger L. Milne, Paul D.P. Pharoah, Antonis C. Antoniou, Nilanjan Chatterjee, Peter Kraft, Montserrat García-Closas, Jacques Simard, Douglas F. Easton. Polygenic risk scores for prediction of breast cancer and breast cancer subtypes. American Journal of Human Genetics, **104**(1): 21-34, 2019.
286. Basso, O., Weinberg, C.R., D'Aloisio, A.A., Sandler, D.P. Mother's age at delivery and daughters' risk of preeclampsia. Pediatric and Perinatal Epidemiology, **33**(2): 129-136, 2019. (PMID 30663124)
287. Kresovich, J.K., Xu, Z., O'Brien, K.M., Weinberg, C.R., Sandler, D.P., Taylor, J.A. Methylation-based biological age and breast cancer risk. Journal of the National Cancer Institute, **111**(10): 1051-58, 2019. (PMID 31387022)
288. O'Brien, K.M., Sandler, D.P., House, M., Taylor, J.A., Weinberg, C.R. The association of a breast cancer diagnosis with serum 25-hydroxyvitamin D concentration over time. American Journal of Epidemiology, **188**(4): 637-45, 2019.
289. Jiang, X., Finucan, H.K., Schumacher, F.R., Schmit, S.L., Tyrer, J.P. Han, Y., Michailidou, K., Lesueur, C., Kuchenbaecker, K.B. Dennis, J., Conti, D.V., Casey, G., Gaudet, M.M., Huyghe, J., [alphabetical listing including Weinberg, C.R.], Thomas, D., Hung, R.J., Diergaarde, B., McKay, J., Peters, U., Hsu, L., Garcia-Closas, M., Eeles, R.A., Chenevix-Trench, G., Brennan, P.B., Haiman, C.A., Simard, J., Easton, D.F, Gruber, S.B., Pharoah, P.D.P., Price, A.L., Pasaniuc, B., Amos, CI, Kraft, P., Lindstrom, S. Shared heritability and functional enrichment for six solid cancers. Nature Communications, **10**(1): 431, 2019. (PMID 30683880)

290. O'Brien, K.M., White, A.J., Jackson, J.P., Sandler, D.P., Karagas, M.R., Weinberg, C.R. Toenail-based metal concentrations and young-onset breast cancer. American Journal of Epidemiology, **188**(4): 646-655, 2019. (PMID: 32242893) (Republished after error correction: Amer J Epidemiology 2020: 189:34-43.)
291. Weinberg, C.R., Shi, M., O'Brien, K.M., Umbach, D.M. Adjustment for urinary creatinine or serum lipids for analytes assayed in pooled specimens. Epidemiology, **30**(5): 768-779, 2019. (PMID 31205285)
292. White, A.J., Weinberg, C.R., O'Meara, E.S., Sandler, D.P., Sprague, B.L. Airborne metals and polycyclic aromatic hydrocarbons in relation to mammographic breast density. Breast Cancer Research, **21**(1), 24, 2019.
293. Magnus, M.C., Wilcox, A.J., Morken, N-H, Weinberg, C.R., Håberg, S.E. The role of maternal age and pregnancy history in risk of miscarriage: A prospective register-based study. British Medical Journal, 364: 1869, 2019. (PMID 30894356)
294. Park, Y-M.M., White, A.J., Jackson, C.L., Weinberg, C.R., and Sandler, D.P. Association of exposure to artificial light at night while sleeping with risk of obesity in women. JAMA Internal Medicine, 2019. (PMID 31180469)
295. Hawkins Bressler, L., Mersereau, J.E., Anderson, C., Rodriguez, J.L., Hodgson M.E., Weinberg, C.R., Sandler, D.P., Nichols, H.B. Fertility-related experiences after breast cancer diagnosis in the Sister and Two Sister Studies. Cancer 125(15): 2675-83, 2019. (PMID: 31012960; PMCID: [PMC6935370](https://pubmed.ncbi.nlm.nih.gov/31012960/))
296. O'Brien, K.M., D'Aloisio, A.A., Shi, M., Murphy, J.D., Sandler, D.P., Weinberg, C.R. Perineal talc use, douching and the risk of uterine cancer. Epidemiology, **30**(6): 845-52, 2019. (selected as the NIEHS DIR paper of the year for 2019)
297. Leah, H.B., Mersereau, J.E., Anderson, C., Rodriguez, J.L., Hodgson, E., Weinberg, C.R., Sandler, D.P., Nichols, H.B. Fertility-related experiences after breast cancer diagnosis in the NIEHS Sister and Two Sister Studies. Cancer, **125**(15): 2675-2683, 2019. (PMID 31012960)
298. Mazul, A.L., Weinberg, C.R., Engel, S., Siega-Riz, A.M., Zou, F., Carrier, K., Basta, P.V., Zalman, V., Maris, J.M., Diskin, S.J., Maxen, C., Naranjo, A., Olshan, A.F. Neuroblastoma in relation to joint effects of vitamin A and maternal and offspring variants in vitamin A-related genes: A report from the Children's Oncology Group. Cancer Epidemiology **61**: 165-171, 2019. (PMID 31279991)
299. Jukic, A.M., Baird, D.D., Weinberg, C.R., Wilcox, A.J., McConaughey, D.R., Steiner, A.Z. Pre-conception 25-hydroxyvitamin D (25(OH)D) and fecundability, Human Reproduction **34**(11): 2163-2172, 2019. (PMID 31665286)

300. White, A.J., Kresovich, J.K., Keller, J.P., Xu, Z., Kaufman, J.D., Weinberg, C.R., Taylor, J.A., Sandler, D.P. Air pollution, particulate matter composition and methylation-based biologic age. Environment International, **132**: 1-7. 2019.
301. Chin, H.B., Jukic, A.M., Wilcox, A.J., Weinberg, C.R., Ferguson, K.K., Calafat, A.M., McConnaughey, D.R., Baird, D.D. Association of urinary concentrations of early pregnancy phthalate metabolites and bisphenol A with length of gestation. Environmental Health, **18**(1), 2019.
302. Kresovich, J.K., Xu, Z., O'Brien, K.M., Weinberg, C.R., Sandler, D.P., Taylor, J.A. Epigenetic mortality predictors and incidence of breast cancer. Aging **11**(24): 11975-87, 2019. (PMID 31848323)
303. Wang, C., O'Brien, K.M., Xu, Z., Sandler, D.P., Taylor, J., Weinberg, C.R. Long-term ambient fine particulate matter and DNA methylation in inflammation pathways: Results from the Sister Study. Epigenetics **15**(5): 524-35, Dec 10: 1-12, 2019. (PMID 1699894)
304. Jiang, Y., Weinberg, C.R., Sandler, D.P., Zhao, S. Use of detailed family history data to improve prediction of breast cancer risk. PlosOne **14**(12), 2019. (PMID 31848476)
305. Kresovich, J.K., O'Brien, K.M., Xu, Z., Weinberg, C.R., Sandler, D.P. Taylor, J.A. Pre-diagnostic immune cell profiles and breast cancer. JAMA Network Open **3**(1), 2019 (e1919536) (PMID: 31951276).
306. Kapoor, P.M. Lindström, S., Behrens, S., Wang, X., Michailidou, K., Bolla M.K., Wang, Q., Dennis, J. (Breast Cancer Association Consortium), . . . Assessment of interactions between 205 breast cancer susceptibility loci and 13 established risk factors in relation to breast cancer risk in the Breast Cancer Association Consortium. International Journal of Epidemiology **49**(1): 216-32, 2020. (PMID 31605532)
307. Shi, M., O'Brien, K.M., and Weinberg, C.R. Interactions between a polygenic risk score and nongenetic risk factors for young-onset breast cancer. Scientific Reports, Feb 24 **10**(1): 3242, 2020 (PMID: 32094468).
308. Weinberg, C.R. Fertility, season, and a legitimate role for p values. *Invited Commentary*. Human Reproduction, Mar 27; **35**(3): 488-489, 2020. (PMID 32053205)
309. Dinse, G.E., Parks, C.G, Weinberg, C.R., Co, C.A., Wilkerson, J., Zeldin, D.C., Chan, E.K.L., Miller, F.W. Increasing prevalence of antinuclear antibodies in the United States. Arthritis and Rheumatology **72**(6): 1026-35, 2020. (PMID 32266792)

310. Fachal, L., Aschard, H., Beesley, J., Barnes, D., Allen, J., Kar, S., Pooley, K., Dennis, J., Michailidou, K., Turman, C., Soucy, P., Lemacon, A., Lush, M., Tyrer, J., Ghoussaine, M., Marjaneh, M.M., Jian, X, [names listed alphabetically, including Weinberg, C.R.] Pharoah, P.D.P., Chang-Claude, J., Garcia-Closas, M., Schmidt M.K., Milne, R.L., Kristensen, V.C., French, J.D., Edwards, S.L. Antonious, A.C., Chenevix-Trench, G., Simard, J., Easton, D.F., Kraft, P., Dunning A.M. Fine-mapping of 150 breast cancer risk regions identifies 191 likely target genes. Nature Genetics **52**: 56-73, 2020. (PMID: 31911677)
311. O'Brien, K.M., Tworoger, S.S., Harris, H.R., Weinberg, C.R., Trabert, B., D'Aloisio, A.A., Sandler*, D.P., Wentzensen*, N. on behalf of the Ovarian Cancer Cohort Consortium (*joint senior authors). Association of powder use in the genital area with risk of ovarian cancer: A pooled analysis. JAMA, **323**(1): 49-59, 2020 (PMID: 31910280).
312. Kresovich, J.K., Parks, C.G., Sandler, D.P., Weinberg, C.R. Taylor, J.A. The role of blood cell composition in epidemiologic studies of telomeres. Epidemiology **31**(4): e34-e36, 2020. (PMID 32168019)
313. Meier, H., Miller, F., Dinse, G., Weinberg, C.R., Cho, C. and Parks, C. *Helicobacter pylori* seropositivity is associated with antinuclear antibodies in US adults: NHANES 1999-2000. Epidemiology and Infection **148** e20, 2020. (PMID: 32019616).
314. Kapoor, P.M., Mavaddat, N., Choudhury, P.P., Wilcox, A.N., Lindström, S., Behrens, S., Michailidou, K., Dennis, J., Bolla, M.K., Wang, Q., Jung, A., Zomoroda, A.F., Ahearn, T., . . . [authors listed alphabetically, including Weinberg, C.R., . . . Yang, X.R., Zheng, W., Ziogas, A.], Dunning, A.M, Pharoah, P.D.P., Schmidt, M.K., Kraft, P., Easton, D.F., Milne, R.L., Garcia-Closas, M., Chang-Claude, J. Combined associations of a polygenic risk score and classical risk factors with breast cancer risk. Journal of the National Cancer Association, **113**(3): 329-337, 2021 (PMID: 32359158).
315. Feng, H., Gusev, A., Pasaniuc, B., Wu, L., Long, J., [Abu-Full, Z., alphabetical list including Weinberg, C.R.] Milne, R.L., Easton, D.F., Chenevix-Trench, G., Zheng, W., Kraft, P., Jiang, X. Transcriptome-wide association study of breast cancer risk by estrogen-receptor status. Genetic Epidemiology, 2020 (PMID: 32115800).
316. Zhang H, Ahearn TU, Lecarpentier J, Barnes D, Beesley J, Qi G, Jiang X, O'Mara TO, Zhao N, Bolla MK, Dunning AM, Dennis J, Want Qin, [multiple contributing authors in alphabetical order including Sandler DP], Milne RL, Kraft P, Simard J, Pharoah PDP, Michailidou K, Antoniou AC, Schmidt MK, Chenevix-Trench G, Easton DF, Garcia-Closas M, Chatterjee N. Genome-wide association study identifies 32 novel breast cancer susceptibility loci from overall and subtype-specific analyses. Nature Genet **52**(6): 572-81, 2020.

317. Niehoff, N.M., Keil, A.P., O'Brien, K.M., Jackson, B.P., Karagas, M.R., Weinberg, C.R., White, A.J. Metals and trace elements in relation to body mass index in a prospective study of US women. Environmental Research, 109396, 2020. (PMID 32209500)
318. Vellers, L.V., Verhein, K.C., Burkholder, A.B., Lee, J., Kim, Y., Lightfoot, J.T., FACSM, Shi, M., Weinberg, C.R., Rankinen, T., Sarzynski, M.A., FACSM, Bouchard, C., FACSM, Kleeberger, S.R. Association between mitochondrial DNA sequence variants and V'O2 max trainability. Medicine and Science in Sports and Exercise **52**(11):2303-2309, 2020 (PMID: 33064405).
319. Andrew, A.S., O'Brien, K.M., Jackson, B.P., Sandler, D.P., Kaye, W., Wagner, L., Stommel, E.J., Horton, K., Mehta, P., Weinberg, C.R. Keratinous biomarker of mercury exposure associated with amyotrophic lateral sclerosis risk in a nationwide U.S. study. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration Apr 24: 1-8, 2020.
320. White, A.J., O'Brien, K.M., Niehoff, N.M., Jackson, B.P., Karagas, M.R., Weinberg, C.R., Keil, A.P. Toenail metal concentrations and age at menopause: a prospective study. Environmental Epidemiology **4**(4), 2020.
321. Weinberg, C.R. Making the best use of test kits for Covid-19. American Journal of Epidemiology **189**(5): 363-364, 2020. (PMID: 32378722)
322. Jia, M., Wu, Z., Vogtmann, E., O'Brien, K.M., Weinberg, C.R. Sandler, D.P., Gierach, G. L. The association between periodontal disease and breast cancer in a prospective cohort study. Cancer Prevention Research, July 29, 2020. (PMID: 32727823)
323. Von Holle, A., O'Brien, K.M., Sandler, D.P., Janicek, R., Weinberg, C.R. Association between serum iron biomarkers and breast cancer. Cancer Epidemiology Biomarkers and Prevention, 2021. (PMID: 33293341)
324. Diaz Santana, M.V., O'Brien, K.M., D'Aloisio, A.A., Regalado, G.A., Sandler, D.P., Weinberg, C.R. Perinatal and postnatal exposures and risk of young-onset breast cancer. Breast Cancer Research **22**(1): 1-12, 2020.
325. Rosen Vollmar, A.K., Johnson, C.H., Weinberg, C.R., Deziel, N.C., Baird, D.D., Wilcox, A.J., Jukic, A.M. Accounting for urinary dilution in peri-implantation samples: implications for creatinine adjustment and specimen pooling. Journal of Exposure Science and Environmental Epidemiology, 31(2):356-365, 2021. (PMID: 32424331)
326. Von Holle, A., O'Brien, K.M., Sandler, D.P. and Weinberg, C.R. Evidence for familial clustering in breast cancer age at onset. International Journal of Epidemiology, 2021 (PMID: 33247915).

327. Park, J., Rodriguez, J., O'Brien, K., Nichols, H., Hodgson, M., Weinberg, C.R., Sandler, D.P. Health-related quality of life outcomes among breast cancer survivors. *Cancer*, 127(7): 1114-1125, 2021 (PMID: 33237602).
328. Hu, C., Hart, S., Gnanaolivu, R., Huang, H., Lee, K., Na, J., Gau, C., Lilyquist, J., Yadav, S., Boddicker, N., Klebba, J. [alphabetical listing including Weinberg, C.] Weitzel, J, Goldgar, D., Domcheck S., Nathanson, K., Kraft, P., Polley, E., Couch, F. A population-based study of genes previously implicated in breast cancer. *New England Journal of Medicine*, **384**: 440-51, 2021. (PMID: 33471974)
329. Coignard, J., Lush, M., Beesley, J., O'Mara, R.A., Dennis, J., Tyrer, J.P., Barnes, D.R. McGuffog, L, Leslie, G., Bolla, M.K., [Adand, M.A, . . . authors listed alphabetically, including Weinberg, C.R.] Schmidt, M.K., Milne, R.L, Park, SK, Tomassen, M., Offit, K., Schmutzler R.K., Couch, F.J., Simard, J., Chenevix-Trench, G., Easton, D.F., Andrieyu, N., Antonious A.C. A case-only study to identify genetic modifiers of breast cancer risk specifically for BRCA1 and BRCA2 mutation carriers. *Nature Communications*, **12**(1): 2986, 2021, followed by author correction.
330. O'Brien, K.M., Tworoger, S.S., Harris, H.R., Trabert, B., Weinberg, C.R., Fortner, R.T., D'Aloisio, A.A., Kaunitz, A.M., Wentzensen, N., Sandler, D.P. Genital powder use and risk of uterine cancer: A pooled analysis of prospective studies. *International Journal of Cancer*, **148**(11): 2692-2701, 2021 (PMID: 33433939).
331. Park, Y-M, Bookwalter, D.B., O'Brien, K.M., Jackson, C.L, Weinberg, C.R., Sandler, D.P. A prospective study of Type 2 diabetes, metformin use, and risk of breast cancer. *Annals of Oncology*, **32**(3): 351-9, 2021 (selected as the NIEHS Paper of the Year for 2021).
332. Johnson, N., Maguire, S., Morra, A., Kapoor, P.M., Tomczyk, K., Jones, M.E., Schoemaker, M., ABCFS, ABCS, ABCTB, AHS, BBCC, BBCS, BCEES, BCINIS, BIGGS, BREOGAN, BSUCH, CBCS, CCGP, CECILE, CGPS, CNIO-BCS, CPSII, CTS, EPIC, ESTHER, FHRISK, CG-HBOC, GENICA, GESBC, HABCS, HEBCS, HMBCS, HUBCS, KARBAC, KARMA, KBCP, KCONFAB/AOCS, LMBC, MABCS, MARIE, MBCSG, MCBCS, MCCS, MEC, MISS, MMHS, MTLGEBCS, NBCS, NBHS, NC-BCFR, NCBCS, NHS, NHS2, OBCS, OFBCR, ORIGO, PBCS, PKARMA, PLCO, PROCAS, RBCS, SASBAC, SBCS, SEARCH, SISTER, SMC, SZBCS, TNBCC, UCIBCS, UKBGS, USRT, Dennis J., Wang, Q., Bolla, M.K., Dunning, A.M., Pharoah, P.D.P., Easton, D.F., Howie, F., Peto, J., dos-Santos-Silva, I., Swerdlow, A., Chang-Claude, J. Schmidt, M., Orr, N., Fletcher, O. *CYP3A7*1C* allele: linking premenopausal estrone levels and risk of hormone receptor-positive breast cancers. *Br J of Cancer*, **124**(4): 842-854, 2021. (PMID: 33433939)

333. Baxter, J.S., Johnson, N., Tomczyk, K., Gillespie, A., Maguire, S., Brough, R., Fachal, L, Michailidou, K., Bolla, M.K., Wang, Q., Dennis, J., [Authors listed alphabetically, including Weinberg, C.R.] Pharoah, P.D.P., Dunning, A.M., Easton, D.F., Pettitt, S.J., Lord, C.J., Haider, S., Orr, N., Fletcher, O. Functional annotation of the 2q35 breast cancer risk locus implicates a structural variant in influencing activity of a long-range enhancer element. Am J Hum Genet online June, 2021 (PMID: 34146516).
334. Upson, K., Weinberg, C.R., Dinse, G., Nichols, H.B., D'Aloisio, A., Sandler, D.P., Baird, D.D. Early-life farm exposure and ovarian reserve in a U.S. cohort of women. Epidemiology, **32**(5): 672-680, 2021 (PMID: 8370468).
335. Yadav S, Hu C, Nathanson KL, Weitzel JN, Goldgar DE, Kraft P, Gnanaolivu RD, Na J, Huang H, Boddicker NJ, Larson N, Gao C, Yao S, Weinberg C, Vachon CM, Trentham-Dietz A, Taylor JA, Sandler DR, Patel A, Palmer JR, Olson JE, Neuhausen S, Martinez E, Lindstrom S, Lacey JV, et al. [17 more authors] (2021). Germline Pathogenic Variants in Cancer Predisposition Genes Among Women With Invasive Lobular Carcinoma of the Breast. J Clin Oncol 39, 3918-3926. <https://doi.org/10.1200/JCO.21.00640>
336. Niehoff, N.M., O'Brien, K.M., Keil, A.P., Levine, K.E., Weinberg, C.R., White, A.J. Metals and breast cancer risk: A prospective study using toenail biomarkers. American Journal of Epidemiology, **190**(11): 2360-2373, 2021 (PMID: 34268559).
337. Gregoire, A.M., Upson, K., Niehoff, N.M., Chin, H.B., Kaufman, J., Weinberg, C.R., Sandler, D.P., Nichols, H.B., White, A.J. Outdoor air pollution and anti-Müllerian hormone in the Sister Study. Environmental Epidemiology Aug 16 5(5): e163, 2021. (PMID: 3493488)
338. Gao, C., Polley, E.C., Hart, S.N., Huang, H., Hu, C., Gnanaolivu, R., Lilyquist, J., Boddicker, N.J., Na, J., Gaudet, M.M., Teras, L., Gapstur, S.M., Patel, A., Jacob, E., Neuhausen, S.L., Ma, H., Bernstein, L., Olson, J.E., Haiman, C., Vachon, C.M., Hunter, D.J., Tamimi, R., Eliassen, H., Sandler, D.P., Taylor, J.A., Weinberg, C.R., Yao, S., Ambrosone, C.B., Auer, P.L., Lindstrom, S., Trentham-Dietz, A., Burnside, E.S., Ong, I.M., Newcomb, P.A., Weitzel, J.N., Goldgar, D.E., Domchek, S.M., Nathanson, K.L., Couch, F.J., Kraft, P. Risk of breast cancer among carriers of pathogenic variants in breast cancer predisposition genes varies by polygenic risk score. J Clin Oncol June 8, 2021. (PMID: 34101481)
339. Du Z, Gao G, Adedokun B, Ahearn T, Lunetta KL, Zirpoli G, Troester MA, Ruiz-Narváez EA, Haddad SA, Pal Choudhury P, Figueroa J, John EM, Bernstein L, Zheng W, Hu JJ, Ziegler RG, Nyante S, Bandera EV, Ingles SA, Mancuso N, Press MF, Deming SL, Rodriguez-Gil JL, Yao S, Ogundiran TO, Ojengbe O, Bolla MK, Dennis J, Dunning AM, Easton DF, Michailidou K, Pharoah PDP, Sandler DP, Taylor JA, Wang Q, **Weinberg CR**, Kitahara CM, Blot W, Nathanson KL, Hennis

- A, Nemesure B, Ambs S, Sucheston-Campbell LE, Bensen JT, Chanock SJ, Olshan AF, Ambrosone CB, Olopade OI, Yarney J, Awuah B, Addai Wiafe B, Conti DV; GBHS Study Team, Palmer JR, Garcia-Closas M, Huo D, Haiman CA. Evaluating polygenic risk scores for breast cancer in women of African ancestry. Journal of the National Cancer Institute, **113**(9): 1168-1176, March 2021. (PMID: 33769540)
340. O'Brien, K.M., D'Aloisio, A.A., Moore, K.R., Weinberg, C.R., Sandler, D.P. the association between douching, genital talc use, and the risk of prevalent and incident cervical cancer. Scientific Reports **11**(1): 14836, 2021 (PMID: 34290340).
341. Von Holle, A., O'Brien, K.M., Sandler, D.P., Janicek, R., Weinberg, C.R. Association between serum iron biomarkers and breast cancer. Cancer Epidemiology Biomarkers and Prevention, **30**(2): 422-425, 2021. (PMID: 33293341)
342. Ruth, K.S., Day, F.R., Hussain, J, Martinez-marchal, A., Aiken, C.E., Azad, A., Thompson, D.J., Knoblochova, L. Terry-Adkins, J.L, Gonzalez, J.M., Fonanillas, P., Claringbould, A., Bakker O.B., Sulem, P., Walters, R.G., Terao, C., Turon, S., Horikoshi, M., Lin, K., Onland-Moret, N.C. Sankar, A., Hertz, A.P.T., Timshel, N.Pn, Shukla, V., Borup, R., Olsen, K.W., Aguilera, P., Ferrer-Roda, M., Huang, Y., Huang, Y., Stankovic, S., Timmers, P.R.H.J. [alphabetical list including Weinberg, C.R.] Chen, Z., Li, L., Franke, L., Burgess, S., Deelen, P., Pers, T.Hl, Grandahl, M.L., Andersen, C.Y., Pujol, A., Lopez-Contreras, A.J., Daniel, J.A., Stefansson, K., Chang-Claude, J., vander Schouw, Y.T., Lunetta, K., Chasman, D.I, Easton, D.F., Visser, J.A., Ozanne, S.E., Namekawa, S.H., Solc, P. Murabito, J.M, Ong, K.K., Hoffman, E.R., Murray, A., Roig, I., Perry, J.R.B. Genetic insights into biological mechanisms governing human ovarian ageing. Nature, **596**(7872): 393-397, 2021 (PMID: 34349265).
343. Wu, Z., O'Brien, K.M., Lawrence, K., Han, Y., Weinberg, C.R. Sandler, D.P., Vogtman, E. Associations of periodontal disease and tooth loss with all-cause and cause-specific mortality in the Sister Study. Journal of Clinical Periodontology, **48**(12): 1597-1604, 2021. (PMID: 34605056)
344. Bauer, A.E., Avery, C.L., Shi, M., Weinberg, C.R., Olshan, A.F., Harmon, Q.E., Luo, J., Yang, J., Manuck, R., Wu, M.C., Klungsøyr, K., Trogstad, L., Magnus, P., Engel S.M. Do genetic variants modify the effect of smoking on risk of preeclampsia in pregnancy? American Journal of Perinatology, Nov 28, 2021 (PMID: 34839469)
345. Miller, M.F., Shi, M., Motsinger-Reif, A., Weinberg, C.R., Miller, J.D., Nichols, E. Community-based testing sites for COVID-19 - United States, March 2020-September 2021. MMWR, Dec 10:**70**(49): 1706-1711, 2021. (PMID: 34882655)
346. Nodzinski, M.* , Shi, M.* , Krahn, J.M., Wise, A.S., Li, Y., Li, L., Umbach, D.M., Weinberg, C.R. GADGETS: A genetic algorithm for detecting epistasis using

nuclear families. Bioinformatics, 38(4): 1052-1058, 2022. (* shared first authorship) (PMID: 34788792) (Selected as an NIEHS Intramural Paper of the Month, and also awarded the Kupper Dissertation Publication Award for the best dissertation paper of 2021 based on a dissertation in the UNC Biostatistics Department.)

347. Hurson, A.N., Choudhury, P.P., Gao, C., Husing, A., Eriksson, M., Shi, M., Jones, M.E., Evans, D.G.R., Milne, R.L., Gaudet, M.M., Vachon, C.M., Chasman, D.I., Easton, D.F., Schmidt, M.K., Kraft, P., Garcia-Closas, M., Chatterjee (and the B-CAST Risk Modelling Group, including Weinberg, C.R.). Prospective evaluation of a breast-cancer risk model integrating classical risk factors and polygenic risk in 15 cohorts from six countries. International Journal of Epidemiology 2022, **50**(6): 1897-1911.
348. Dareng, E., Tyrer, J., Barnes, D., Jones, M., Yang, X. [alphabetical list including Weinberg, C.] Douglas Easton, Kate Lawrenson, Anna DeFazio, Thomas Sellers, Susan Ramus, Celeste Pearce, Alvaro Monteiro, Julie Cunningham, Ellen Goode, Joellen Schildkraut, Andrew Berchuck, Georgia Chenevix-Trench, Simon Gayther, Antonis Antoniou, and Paul Pharoah. Polygenic risk modeling for prediction of epithelial ovarian cancer. European Journal of Human Genetics **30**(5): 630-631 2022. (PMID: 35027648)
349. Kresovich, J.K., Xu, Z., O'Brien, K.M., Shi, M., Weinberg, C.R., Sandler, D.P., Taylor, J.A. MBCRm: A methylation-based risk model for breast cancer. Molecular Oncology **16**(1): 42-53, 2022. (PMID: 34411412)
350. Jukic, A.M.Z., Weinberg, C.R., Mumford, S.L., Steiner, A.Z. Inflammation and conception in a prospective time-to-pregnancy cohort. Epidemiology **33**(2): 269-277, 2022. (PMID: 8852371)
351. Diaz Santana, M., O'Brien, K.M., Park, Y-M.M., Weinberg, C.R. Persistence of risk for type 2 diabetes after gestational diabetes. Diabetes Care **45**(4): 864-870, 2022 (selected as an NIEHS Intramural Paper of the Month) (PMID: PMC9016728).
352. Park, Y-M.,M., van 't Erve, T., O'Brien, K., Nichols, H., Weinberg, C.R., Sandler, D.P. Association of dietary and plasma carotenoids with urinary F2-isoprostanes (FS15-02-19) European Journal of Nutrition August, 2022 (PMID: 35213072).
353. O'Brien, K.M., Harmon, Q.E., Jackson, C.L., Diaz Santana, M.V., Taylor, J.A., Weinberg, C.R. and Sandler, D.P. Vitamin D concentrations and breast cancer incidence among Black/African-American and non-black Hispanic/Latina women. Cancer **128**(13): 2463-2473, 2022. (PMID: 35466399)
354. Ahearn, T.U., Zhang, H., Michailidou, K., Milne, R.L., Bolla, M.K., Dennis, J., Lush, M., Wang, Q., (Andrulis, I.L., . . . alphabetical listing including Weinberg,

- C.R. . . .) Couch, F.J., Simard, J., Kraft, P., Easton, D.F., Pharoah, P.D.P., Schmidt, M.K., Garcia-Closas, M., Chatterjee, N. Common variants in breast cancer risk loci predispose to distinct tumor subtypes. Breast Cancer Res. **24**(1): 2, 2022.
355. Dinse, G.E., Co, C.A., Parks, C.G., Weinberg, C.R., Xie, G., Chan, E.K.L., Birnbaum, L.S. and Miller, F.W. Expanded assessment of xenobiotic associations with antinuclear antibodies in the United States, 1988-2012. Environment International **166**, June, 2022. (PMID: 35785669)
356. Subramanian, A., Steiner, A.Z., Weinberg, C.R., Doss, G.L., Jukic, A.M.Z. Preconception vitamin D and miscarriage in a prospective cohort study. Human Reproduction **37**(10): 2465-2473, 2022. (PMID: 35834313)
357. Welch, B.M., Keil, A.P., Buckley, J.P., Calafat, A.M., Chritenbury, K.E., Engel, S.M., O'Brien, K.M., Rosen, E.M., Jamers-Todd, T., Zota, A.R., Ferguson, K., Kl, Pooled Phthalate Exposure and Preterm Birth Study Group, Alshawabkey, A.N., . . ., including Weinberg, C.R.. Associations between prenatal urinary biomarkers of phthalate exposure and preterm birth: A pooled study of 16 US cohorts., JAMA Pediatrics, July, 2022.
358. Dinse, G.E., Parks, C.G., Weinberg, C.R., Co, C.A., Wilkerson, J., Zeldin, D.C., Chan, E.K.L., Miller, F.W. Increasing prevalence of antinuclear antibodies in the United States, Arthritis Rheumatol., 2022, Aug 26 (PMID: 36054084)
359. Goldberg M, Diaz Santana MV, O'Brien KM, Zhao S, Weinberg CR, Sandler DP (2022) Gestational hypertensive disorders and maternal breast cancer risk in a nationwide cohort of 40,720 parous women. Epidemiology, May 30, 2022 (PMID: 35648421).
360. Weinberg CR. Thoughts on Miettinen's "Causal and preventive interdependence: Elementary principles." Invited commentary, European Journal of Epidemiology, 2022.
361. Dixon-Suen SC, Lewis SJ, Martin RM, English DR, Boyle T, Giles GG, Michailidou K, Bolla MK, Wang Q, Dennis J., Lush, M., [listed alphabetically as Abctb Investigators, Ahearn TU, Ambrosone CB, Andrulis, . . . Weinberg CR . . . Zheng W Ziogas A] Dunning AM, Pharoah, PDP, Easton, DF, Milne RL, Lunch BM, Breast cancer Association Consortium . Physical activity sedentary time and breast cancer risk: a Mendelian randomisation study. Br J Sports Med 2022 **56**:1157-1170 (PMID: 36328784).
362. Kathryn P Lowry, H Amarens Geuzinge, Natasha K Stout, Oguzhan Alagoz, John Hampton, Karla Kerlikowske, Harry J De Koning, Diana L Miglioretti, Nicolien T Van Ravesteyn, Clyde Schechter, Brian L Sprague, Anna NA Tosteson, Amy Trentham-Dietz, Donald Weaver, Martin J Yaffe, Jennifer M Yeh, Fergus J Couch, Chunling Hu, Peter Kraft, Eric C Polley, Jeanne S Mandelblatt, Allison W Kurian,

- Mark E Robson, Steven N Hart, Katherine L Nathanson, Susan M Domchek, Christine B Ambrosone, Hoda Anton-Culver, Paul Auer, Elisa V Bandera, Leslie Bernstein, Kimberly A Bertrand, Elizabeth S Burnside, Brian D Carter, Heather Eliassen, Mia Gaudet, Christopher Haiman, James M Hodge, David J Hunter, Eric J Jacobs, Esther M John, Charles Kooperberg, James V Lacey, Loic Le Marchand, Sara Lindstrom, Huiyan Ma, Elena Martinez, Susan Neuhausen, Polly A Newcomb, Katie M O'Brien, Janet E Olson, Irene M Ong, Tuya Pal, Julie R Palmer, Alpa V Patel, Sonya Reid, Lynn Rosenberg, Dale P Sandler, Rulla Tamimi, Jack A Taylor, Lauren Teras, Celine M Vachon, Clarice Weinberg, Siddhartha Yadav, Song Yao, Argyrios Ziogas, Jeffrey N Weitzel, David E Goldgar. Breast cancer screening strategies for women with ATM, CHEK2 and PALB2 pathogenic variants: A comparative modeling analysis. *JAMA Oncology* **8**(4): 587-596. 2022.
363. Dinse, G.E., Co, C.A., Parks, C.G., Weinberg, C.R., Xie, G., Chan, E.K.L., Birnbaum, L.S., Miller, F.W. Expanded assessment of xenobiotic associations with antinuclear antibodies in the United States, 1988-2012. *Environment Int.* **166**: 107376 2022.
364. Siddhartha Yadav, Chunling Hu, Katherine L Nathanson, Jeffrey N Weitzel, David E Goldgar, Peter Kraft, Rohan D Gnanaolivu, Jie Na, Hongyan Huang, Nicholas J Boddicker, Nicole Larson, Chi Gao, Song Yao, Clarice Weinberg, Celine M Vachon, Amy Trentham-Dietz, Jack A Taylor, Dale R Sandler, Alpa Patel, Julie R Palmer, Janet E Olson, Susan Neuhausen, Elena Martinez, Sara Lindstrom, James V Lacey, Allison W Kurian, Esther M John, Christopher Haiman, Leslie Bernstein, Paul W Auer, Hoda Anton-Culver, Christine B Ambrosone, Rachid Karam, Elizabeth Chao, Amal Yussuf, Tina Pesaran, Jill S Dolinsky, Steven N Hart, Holly LaDuca, Eric C Polley, Susan M Domchek, Fergus J Couch. Germline pathogenic variants in cancer predisposition genes among women with invasive lobular carcinoma of the breast. *J Clinical Oncology* **39**(35): 3918-3926, 2023.
365. Shi, M., Weinberg, C.R. Approaches for assessing effects of exposures on human fertility. *Epidemiology* **34**(2): 230-237, 2023.
366. Kresovich JK, Xu Z, O'Brien KM, Parks CG, Weinberg CR, Sandler DP, Taylor JA Peripheral immune cell composition is altered in women before and after a breast cancer diagnosis. *Hypertension* **80**(1): 43-53, 2023.
367. Mueller SH, Lai AG, Valkovskaya M, Michailidou K, Bolla MK, Wang Q, Dennis J, Lush M, Abu-Ful Z, Ahearn TU, Andrulis IL, Anton-Culver H, Antonenkova NN, Arndt V, Aronson KJ, Augustinsson A, Baert T, Freeman LEB, Beckmann MW, Behrens S, Benitez J, Bermisheva M, Blomqvist C, Bogdanova NV, Bojesen SE, Bonanni B, Brenner H, Brucker SY, Buys SS, Castelao JE, Chan TL, Chang-Claude J, Chanock SJ, Choi JY, Chung WK; NBCS Collaborators; Colonna SV; CTS Consortium; Cornelissen S, Couch FJ, Czene K, Daly MB, Devilee P, Dörk T, Dossus L, Dwek M, Eccles DM, Ekici AB, Eliassen AH, Engel C, Evans DG, Fasching PA, Fletcher O, Flyger H, Gago-Dominguez M, Gao YT, García-Closas

- M, García-Sáenz JA, Genkinger J, Gentry-Maharaj A, Grassmann F, Guénel P, Gündert M, Haeberle L, Hahnen E, Haiman CA, Håkansson N, Hall P, Harkness EF, Harrington PA, Hartikainen JM, Hartman M, Hein A, Ho WK, Hooning MJ, Hoppe R, Hopper JL, Houlston RS, Howell A, Hunter DJ, Huo D; ABCTB Investigators; Ito H, Iwasaki M, Jakubowska A, Janni W, John EM, Jones ME, Jung A, Kaaks R, Kang D, Khusnutdinova EK, Kim SW, Kitahara CM, Koutros S, Kraft P, Kristensen VN, Kubelka-Sabit K, Kurian AW, Kwong A, Lacey JV, Lambrechts D, Le Marchand L, Li J, Linet M, Lo WY, Long J, Lophatananon A, Mannermaa A, Manoochehri M, Margolin S, Matsuo K, Mavroudis D, Menon U, Muir K, Murphy RA, Nevanlinna H, Newman WG, Niederacher D, O'Brien KM, Obi N, Offit K, Olopade OI, Olshan AF, Olsson H, Park SK, Patel AV, Patel A, Perou CM, Peto J, Pharoah PDP, Plaseska-Karanfilska D, Presneau N, Rack B, Radice P, Ramachandran D, Rashid MU, Rennert G, Romero A, Ruddy KJ, Ruebner M, Saloustros E, Sandler DP, Sawyer EJ, Schmidt MK, Schmutzler RK, Schneider MO, Scott C, Shah M, Sharma P, Shen CY, Shu XO, Simard J, Surowy H, Tamimi RM, Tapper WJ, Taylor JA, Teo SH, Teras LR, Toland AE, Tollenaar RAEM, Torres D, Torres-Mejía G, Troester MA, Truong T, Vachon CM, Vijai J, Weinberg CR, Wendt C, Winqvist R, Wolk A, Wu AH, Yamaji T, Yang XR, Yu JC, Zheng W, Ziogas A, Ziv E, Dunning AM, Easton DF, Hemingway H, Hamann U, Kuchenbaecker KB. Aggregation tests identify new gene associations with breast cancer in populations with diverse ancestry. Genome Medicine **15**(1): 7, 2023.
368. Yadav S, Boddicker NJ, Na J, Polley EC, Hu C, Hart SN, Gnanaolivu RD, Larson N, Holtegaard S, Huang H, Dunn CA, Teras LR, Patel AV, Lacey JV, Neuhausen SL, Martinez E, Haiman C, Chen F, Ruddy KJ, Olson JE, John EM, Kurian AW, Sandler DP, O'Brien KM, Taylor JA, Weinberg CR, Anton-Culver H, Ziogas A, Zirpoli G, Goldgar DE, Palmer JR, Domchek SM, Weitzel JN, Nathanson KL, Kraft P, Couch FJ. Contralateral breast cancer risk among carriers of germline pathogenic variants of ATM, BRCA1, BRCA2, CHEK2 and PALB2. J Clin Oncol Jan 9, 2023.
369. Rosen Vollmar AK, Weinberg CR, Baird DD, Wilcox AJ, Calafat AM, Deziel NC, Johnson CH, Jukic AMZ Urinary phenol concentrations and fecundability and early loss. Human Reproduction **38**(1): 139-155, 2023.
370. Lindstrom, S., Wang, L., Feng, H., Majumdar, A., Huo, S., Macdonald, J., Harrison, T., Turman, C, Chen, H., Mancuso, N., Bammier, T., (other authors, including Weinberg, C.). Genome-wide analyses characterize shared heritability among cancers and identify novel cancer susceptibility regions. J National Cancer Institute, March 17, 2023.
371. Dinse, G.E., Zheng, B., Co, C.A., Parks, C.G., Weinberg, C.R., Miller, F.W., Chan, E.K.L. Anti-dense fine speckled 70 (DFS70) autoantibodies: Correlates and increasing prevalence in the United States. Frontiers in Immunology, 14: 1186439, June, 2023.

372. Kresovich, J.K., O'Brien, K.M., Xu, Z., Weinberg, C.R., Sandler, D.P., Taylor, J.A. Changes in methylation-based aging in women who do and do not develop breast cancer. J National Cancer Institute, **115**(11): 1329-1336, 2023.
373. Weinberg, C.R. Does COVID-19 vaccination disturb menstrual cycling? American Journal of Epidemiology **192**(6): 849-50, 2023.
374. Middha, P., Lindström, S., Behrens, S. Wand, X., Michailidou, K., Bolla, M.K., Wang, Q., Dennis, J., Ahearn, T., Adrulis, I.L., Anton-culver, H., Arndt, V., Aronson, K.J., Auer, P.L., Augustinsson, A., Freeman, E.B., Beckmann, M.W., Benitez, J., Bernstein, L., . . . , Weinberg, C.R., . . . Dunning, A.M., Pharoah, P.D.P., Schmidt, M.K, Kraft, P., García-Closas, M., Easton, D.F., Milne, R.L., Chang-Claude, J. A genome-wide gene-environment interaction study of breast cancer risk among women of European ancestry". Breast Cancer Research, **25**(1): 93, 2023 (PMID: 37559094).
375. Hagai Levi, Shai Carmi, Saharon Rosset, Rinat Yerushalmi, Aviad Zick, Tamar Yablonski-Peretz; BCAC Consortium; Qin Wang, Manjeet K Bolla, Joe Dennis, Kyriaki Michailidou, Michael Lush, Thomas Ahearn, Irene L Andrulis, Hoda Anton-Culver, Antonis C Antoniou, Volker Arndt, Annelie Augustinsson , Päivi Auvinen , Laura Beane Freeman , Matthias Beckmann, Sabine Behrens, Marina Bermisheva , Clara Bodelon, Natalia V Bogdanova , Stig E Bojesen, Hermann Brenner, Helen Byers, Nicola Camp, Jose Castelao, Jenny Chang-Claude, María-Dolores Chirlaque, Wendy Chung, Christine Clarke; NBCS Collaborators; Margriet J Collee, Sarah Colonna; CTS Consortium; Fergus Couch, Angela Cox, Simon S Cross, Kamila Czene , Mary Daly , Peter Devilee , Thilo Dork , Laure Dossus , Diana M Eccles , A Heather Eliassen, Mikael Eriksson , Gareth Evans , Peter Fasching , Olivia Fletcher , Henrik Flyger , Lin Fritschi , Marike Gabrielson , Manuela Gago-Dominguez , Montserrat García-Closas , Jose Angel Garcia-Saenz , Jeanine Genkinger , Graham G Giles , Mark Goldberg , Pascal Guénel , Per Hall , Ute Hamann , Wei He , Peter Hillemanns , Antoinette Hollestelle , Reiner Hoppe , John Hopper ; ABCTB Investigators; Simona Jakovchevska , Anna Jakubowska , Helena Jernström , Esther John , Nichola Johnson , Michael Jones , Joseph Vijai , Rudolf Kaaks , Elza Khusnutdinova , Cari Kitahara , Stella Koutros , Vessela Kristensen , Allison W Kurian , James Lacey , Diether Lambrechts , Loic Le Marchand , Flavio Lejbkowitz , Annika Lindblom , Sibylle Loibl , Adriana Lori , Jan Lubinski , Arto Mannermaa , Mehdi Manoochehri , Dimitrios Mavroudis , Usha Menon , AnnaMarie Mulligan , Rachel Murphy , Ines Nevelsteen , William G Newman , Nadia Obi , Katie O'Brien , Ken Offit , Andrew Olshan , Dijana Plaseska-Karanfilska , Janet Olson , Salvatore Panico , Tjoung-Won Park-Simon , Alpa Patel , Paolo Peterlongo , Brigitte Rack , Paolo Radice , Gad Rennert , Valerie Rhenius , Atocha Romero , Emmanouil Saloustros , Dale Sandler , Marjanka K Schmidt , Lukas Schwentner , Mitul Shah , Priyanka

Sharma , Jacques Simard , Melissa Southey , Jennifer Stone , William J Tapper , Jack Taylor , Lauren Teras , Amanda E Toland , Melissa Troester , Thérèse Truong , Lizet E van der Kolk , Clarice Weinberg , Camilla Wendt , Xiaohong Rose Yang , Wei Zheng , Argyrios Ziogas , Alison M Dunning , Paul Pharoah , Douglas F Easton , Shay Ben-Sachar , Naama Elefant , Ron Shamir , Ran Elkon. Evaluation of European-based polygenic risk score for breast cancer in Ashkenazi Jewish women in Israel. J Med Gen Jul 14, 2023.

376. Von Holle, A, O'Brien, K.M., Janicek, R., Weinberg, C.R. Development and validation of a prediction model for iron status in a large US cohort of women. Scientific Reports, **13**(1), 2023. (PMID: 37828137)
377. Welch, B.M., Keil, A.P., Buckley, J.P., Engel, S.M., Jamers-Todd, R., Zota, A.R., Alshawabkey A.N., Emily S. Barrett, PhD⁹ ^, Michael S. Bloom, PhD¹⁰ ^, Nicole R. Bush, PhD¹¹ ^, José F. Cordero, MD¹² ^, Dana Dabelea, MD, PhD¹³ ^, Brenda Eskenazi, PhD¹⁴ ^, Bruce P. Lanphear, MD¹⁵ ^, Vasantha Padmanabhan, PhD¹⁶ ^, Sheela Sathyanarayana, MD MPH¹⁷ ^, Shanna H. Swan, PhD¹⁸ ^, Jenny Aalborg, MPH¹³⁺, Donna D. Baird, PhD¹⁺, Alexandra M. Binder, ScD¹⁹⁺, Asa Bradman, PhD²⁰⁺, Joseph M. Braun, PhD²¹⁺, Antonia M. Calafat, PhD²²⁺, David E. Cantonwine, PhD²³⁺, Kate E. Christenbury, MBA²⁴⁺, Pam Factor-Litvak, PhD⁷⁺, Kim G. Harley, PhD¹⁴⁺, Russ Hauser, MPH, MD, ScD⁶⁺, Julie B. Herbstman, PhD⁷⁺, Irva Hertz-Picciotto, PhD²⁵⁺, Nina Holland, PhD¹⁴⁺, Anne Marie Z. Jukic, PhD¹⁺, Thomas F. McElrath, MD, PhD²³⁺, John D. Meeker, ScD²⁶⁺, Carmen Messerlian, PhD⁶⁺, Karin B. Michels, ScD, PhD^{27,28+}, Roger B. Newman, MD²⁹⁺, Ruby H.N. Nguyen, PhD³⁰⁺, Katie M. O'Brien, PhD¹⁺, Virginia A. Rauh, ScD⁷⁺, Bruce Redmon, MD³¹⁺, David Q. Rich, ScD³²⁺, Emma M. Rosen, MSPH⁵⁺, Rebecca J. Schmidt, PhD²⁵⁺, Amy E. Sparks, PhD³³⁺, Anne P. Starling, PhD⁵⁺, Christina Wang, MD³⁴⁺, Deborah J. Watkins, PhD²⁶⁺, Clarice R. Weinberg, PhD¹⁺, Barry Weinberger, MD³⁵⁺, Abby G. Wenzel, PhD²⁹⁺, Allen J. Wilcox, MD, PhD¹⁺, Kimberly Yolton, PhD³⁶⁺, Yu Zhang, BA⁶⁺, Kelly K. Ferguson, PhD^{1**}, Racial and ethnic disparities in phthalate exposure and preterm birth: A pooled study of sixteen US cohorts. Environmental Health Perspectives, 2023. **131**(12): (PMID: 38117586). (Awarded the Best Environmental Epidemiology Paper of 2023 by the ISEE.)
378. Von Holle, A., Thompson, R.L., O'Brien, K.M., Sandler, D.P., Weinberg, C.R. Associations between serum iron levels and breast cancer tumor size. Cancer Research Communications, 2024 **4**(1): 182-185. (PMID: 38112642)
379. Von Holle, A., O'Brien, K.M., Sandler, D.P., Janicek, R., Karagas, M.R. and Weinberg, C.R. Toenail and serum measures as biomarkers of iron status in pre- and postmenopausal women: correlations and stability over eight-year

- follow-up.. Scientific Reports, 2024 **14**(1): 1682. (PMID: 38242893)
380. Jukic, A.M., Sandler, D.P., Weinberg, C.R., O'Brien, K.M. Vitamin D status and supplementation, calcium supplementation and timing of natural menopause. Maturitas 2024 **182**: 107916. (PMID: 38266360)
381. Wojcik*, K.M., Von Holle*, A., O'Brien, K.M., White, A.J., Karagas, M.R., Levine, K.E., Jackson, B.P., Weinberg, C.R. (*shared first-authorship), Seasonal patterns in trace elements assessed in toenails. Environmental Advances, 100496. 2024 (PMID: 384056).
382. Ochs-Balcom, Preus, L, Cai, Z.D.Q., Long, J., Ping, J., Li, B., Stram, D.O., Shu, X-O., Sanderson, M., Gao, G., Zirpoli, G.G., Troester, M.A., Ruiz-Narvaez, E.A., Bernstein, S., Hu, J, Ziegler, R.G. Nyante S., Banera, E.V., et al., including Weinberg, C.R., et al. Palmer, J., Garcia-Closas, M., Huo, D., Zheng, W., Haiman, C. Novel breast cancer susceptibility loci under linkage peaks identified in African ancestry consortia. Human Molecular Genetics, 2024, 1-11. (PMID: 38263910)
383. Bauer A.E., Avery, C.L., Shi, M., Weinberg, C.R., Olshan A.F. Harmon Q.E. Luo, J., Yang, J, Manuck, R., Wu, M.C., Klungsoyr, K., Trogstad, L., Magnus, P., Engel, S.M. Do genetic variants modify the effect of smoking on risk of preeclampsia in pregnancy? 2024 American Journal of Perinatology. **41**(1): 44-52. (PMID: 34839469).
384. O'Brien, K.M., Wentzensen, N., Ogunsina, K., Weinberg, C.R., D'Aloisio, A.A., Edwards, J.K., Sandler, D.P. Intimate care products and incidence of hormone-related cancers: A quantitative bias analysis. Journal of Clinical Oncology, May 15 2024. (PMID: 38745950)
385. Kresovich, J., O'Brien, K., Xu, Z., Weinberg, C.R., Sandler, D.P, Taylor, J.A. Circulating leukocyte subsets before and after a breast cancer diagnosis and therapy. JAMA Network Open, 7(2), Feb. 15, 2024. (PMID: 38358741)
386. Von Holle A., Adami HO, Baglietto L, Berrington de Gonzalez A, Bertrand KA, Blot W, Chen Y, DeHart JC, Dossus L, Eliassen AH, Fournier A, Garcia-Closas M, Giles G, Guevara M, Hankinson SE, Heath A, Jones ME, Joshu CE, Kaaks R, Kirsh VA, Kitahara CM, Koh WP, Linet MS, Park HL, Masala G, Mellekjaer L, Milne RL, O'Brien KM, Palmer JR, Riboli E, Rohan TE, Shrubsole MJ, Sund M, Tamimi R, Tin Tin S, Visvanathan K, Vermeulen RC, Weiderpass E, Willett WC, Yuan JM, Zeleniuch-Jacquotte A, Nichols HB, Sandler DP, Swerdlow AJ, Schoemaker MJ, Weinberg CR. BMI and breast cancer risk around age at menopause. Cancer Epidemiology **89**: 102545 2024. (PMID: 38377945)

387. Dareng, E. Simon G Coetzee, Jonathan P Tyrer, Pei-Chen Peng, Will Rosenow, Stephanie Chen, Brian D Davis, Felipe Segato Dezem, Ji-Heui Seo, Robbin Nameki, Alberto L Reyes, Katja K H Aben, Hoda Anton-Culver, Natalia N Antonenkova, Gerasimos Aravantinos, Elisa V Bandera, Laura E Beane Freeman, Matthias W Beckmann, Alicia Beeghly-Fadiel, Javier Benitez, Marcus Q Bernardini, Line Bjorge¹⁸, Amanda Black¹⁹, Natalia V Bogdanova²⁰, Kelly L Bolton²¹, James D Brenton²², Agnieszka Budzilowska²³, Ralf Butzow²⁴, Hui Cai¹⁵, Ian Campbell²⁵, Rikki Cannioto²⁶, Jenny Chang-Claude²⁷, Stephen J Chanock¹³, Kexin Chen²⁸, Georgia Chenevix-Trench²⁹, AOCS Group³⁰, Yoke-Eng Chiew³¹, Linda S Cook³², Anna DeFazio³³, Joe Dennis¹, Jennifer A Doherty³⁴, Thilo Dörk³⁵, Andreas du Bois³⁶, Matthias Dürst³⁷, Diana M Eccles³⁸, Gabrielle Ene¹⁷, Peter A Fasching¹⁴, James M Flanagan³⁹, Renée T Fortner⁴⁰, Florentia Fostira⁴¹, Aleksandra Gentry-Maharaj⁴², Graham G Giles⁴³, Marc T Goodman⁴⁴, Jacek Gronwald⁴⁵, Christopher A Haiman⁴⁶, Niclas Håkansson⁴⁷, Florian Heitz⁴⁸, Michelle A T Hildebrandt⁴⁹, Estrid Høgdall⁵⁰, Claus K Høgdall⁵¹, Ruea-Yea Huang⁵², Allan Jensen⁵³, Michael E Jones⁵⁴, Daehee Kang⁵⁵, Beth Y Karlan⁵⁶, Anthony N Karnezis⁵⁷, Linda E Kelemen⁵⁸, Catherine J Kennedy⁵⁹, Elza K Khusnutdinova⁶⁰, Lambertus A Kiemeneij⁶¹, Susanne K Kjaer⁶², Jolanta Kupryjanczyk²³, Marilyn Labrie⁶³, Diether Lambrechts⁶⁴, Melissa C Larson⁶⁵, Nhu D Le⁶⁶, Jenny Lester⁵⁶, Lian Li²⁸, Jan Lubiński⁴⁵, Michael Lush¹, Jeffrey R Marks⁶⁷, Keitaro Matsuo⁶⁸, Taymaa May¹⁷, John R McLaughlin⁶⁹, Iain A McNeish⁷⁰, Usha Menon⁴², Stacey Missmer⁷¹, Francesmary Modugno⁷², Melissa Moffitt⁷³, Alvaro N Monteiro⁷⁴, Kirsten B Moysich⁷⁵, Steven A Narod⁷⁶, Tu Nguyen-Dumont⁷⁷, Kunle Odunsi⁷⁸, Håkan Olsson⁷⁹, N Charlotte Onland-Moret⁸⁰, Sue K Park⁸¹, Tanja Pejovic⁸², Jennifer B Permuth⁷⁴, Anna Piskorz²², Darya Prokofyeva⁸³, Marjorie J Riggan⁸⁴, Harvey A Risch⁸⁵, Cristina Rodríguez-Antona⁸⁶, Mary Anne Rossing⁸⁷, Dale P Sandler⁸⁸, V Wendy Setiawan⁴⁶, Kang Shan⁸⁹, Honglin Song⁹⁰, Melissa C Southey⁹¹, Helen Steed⁹², Rebecca Sutphen⁹³, Anthony J Swerdlow⁹⁴, Soo Hwang Teo⁹⁵, Kathryn L Terry⁹⁶, Pamela J Thompson⁹⁷, Liv Cecilie Vestrheim Thomsen¹⁸, Linda Titus⁹⁸, Britton Trabert¹⁹, Ruth Travis⁹⁹, Shelley S Tworoger⁷⁴, Ellen Valen¹⁸, Els Van Nieuwenhuysen¹⁰⁰, Digna Velez Edwards¹⁰¹, Robert A Vierkant⁶⁵, Penelope M Webb¹⁰², OPAL Study Group¹⁰², Clarice R Weinberg¹⁰³, Rayna Matsuno Weise¹⁰⁴, Nicolas Wentzensen¹⁹, Emily White¹⁰⁵, Stacey J Winham¹⁰⁶, Alicja Wolk¹⁰⁷, Yin-Ling Woo¹⁰⁸, Anna H Wu¹⁰⁹, Li Yan¹¹⁰, Drakoulis Yannoukakos⁴¹, Nur

- Zeinomar¹², Wei Zheng¹⁵, Argyrios Ziogas⁹, Andrew Berchuck⁸⁴, Ellen L Goode¹¹¹, David G Huntsman¹¹², Celeste L Pearce¹¹³, Susan J Ramus¹¹⁴, Thomas A Sellers¹¹⁵; Ovarian Cancer Association Consortium (OCAC); Matthew L Freedman⁶, Kate Lawrenson⁷, Joellen M Schildkraut¹¹⁶, Dennis Hazelett¹¹⁷, Jasmine T Plummer⁵, Siddhartha Kar¹¹⁸, Michelle R Jones², Paul D P Pharoah¹¹⁹, Simon A Gayther Integrative multi-omics analyses to identify the genetic and functional mechanisms underlying ovarian cancer risk regions. May 7, 2024 [American Journal of Human Genetics](#). (PMID: 38723632).
388. Guochong Jia¹, Jie Ping¹, Ran Tao², Jirong Long¹, Lili Liu¹, Shuai Xu¹, Stefan Ambs³, Mollie E Barnard⁴, Yu Chen⁵, Ji-Yeob Choi^{6,7}, Yu-Tang Gao⁸, Montserrat Garcia-Closas⁹, Jian Gu¹⁰, Jennifer J. Hu¹, Motoki Iwasaki¹², Esther M. John¹³, Sun-Seog Kweon^{14,15}, Koichi Matsuda¹⁶, Keitaro Matsuo^{17,18}, Katherine Nathanson^{19,20}, Barbara Nemesure²¹, Olufunmilayo I. Olopade²², Tuya Pal²³, Sue K. Park²⁴⁻²⁶, Boyoung Park²⁷, Michael F. Press²⁸, Maureen Sanderson²⁹, Dale P Sandler³⁰, Chen-Yang Shen^{31,32}, Song Yao³³, Ying Zheng³⁴, Prisca O. Adejumo³⁵, Thomas Ahearn⁹, Abenaa M. Brewster³⁶, Anselm JM Hennis^{37,38}, Hidemi Ito^{39,40}, Michiaki Kubo⁴¹, Eun-Sook Lee^{42,43}, Siew-Kee Low⁴¹, Timothy Makumbi⁴⁴, Paul Ndom⁴⁵, Dong-Young Noh^{46,47}, Katie M O'Brien³⁰, Andrew F. Olshan⁴⁸, Mojisola M. Oluwasanu⁴⁹, Min-Ho Park⁵⁰, Sonya Reid⁵¹, Taiki Yamaji¹², Gary Zirpoli⁴, Ebonee N. Butler⁴⁸, Maosheng Huang¹⁰, Atara Ntekim⁵², Clarice R. Weinberg⁵³, Bingshan Li⁵⁴, Dezheng Huo⁵⁵, Daehee Kang^{7,6}, Christine Ambrosone³³, Melissa A. Troester⁴⁸, Christopher A. Haiman⁵⁶, Xiao-Ou Shu¹, Julie R. Palmer⁴, Xingyi Guo¹, Wei Zheng. Integrating multi-ancestry genomic and proteomic data to identify target proteins for breast cancer genetic risk loci and blood risk biomarkers. In *press*, [Nature Genetics](#), 2024.
389. Von Holle, A., Shi, M., O'Brien, K.M., Weinberg, C.R., Sandler, D.P., Park, Y-M.P. Association between two common SNPs, rs6564851 and rs6420424, and lutein and zeaxanthin levels in a cohort of U.S. women. In *press*, [Frontiers in Nutrition](#), 2024.
390. Huaizhi Huang, Ronan E. Couch, Rachid Karam, Chunling Hu, Nicholas Boddicker, Eric C. Polley, Jie Na, Christine B. Ambrosone, Song Yao, Amy Trentham-Dietz, A. Heather Eliassen, Kathryn Penney, Kristen Brantley, Clara Bodelon, Lauren R. Teras, James Hodge, Alpa Patel, Christopher A. Haiman, Esther M. John, Susan L. Neuhausen, Elena Martinez, James V. Lacey, Katie M. O'Brien, Dale P. Sandler, Clarice R. Weinberg, Julie R. Palmer, Kimberly A. Bertrand, Celine M. Vachon, Janet E. Olson, Kathryn E. Ruddy, Hoda Anton-Culver, Argyrios Ziogas, David E. Goldgar, Katherine L. Nathanson, Susan M. Domchek, Jeffrey N. Weitzel, Peter Kraft, Jill S.

Dolinsky, Tina Pesaran, Marcy E. Richardson, Siddhartha Yadav, Fergus J. Couch, Pathogenic variants in cancer susceptibility genes predispose to Ductal Carcinoma *In situ* of the breast. In *press*, Clinical Cancer Research, 2024.

391. Zheng, et al. Refining breast cancer genetic risk and biology through multi-ancestry fine-mapping analyses of 192 risk regions. In *press* Nature Genetics, 2024.

Manuscripts in review:

1. Shi, M., Umbach, D.M., Weinberg, C.R. Pooling biospecimens for exposure assessment for case-cohort analysis in cohort studies. In revision, 2024.
2. Couch, F.J., Hu, C., Hart, S.N, Gnanaolivu, R., Lee, K.Y., Na, J., Gao, C., Boddicker, N.J., Eckloff, B., Samara, R., Klebba, J., Haimnab, C., Johne, E.M. Neuhausen, S, Olson, J.E., Pal, T., Palmer, J.R., Sandler, D.P, Taylor, J.A., Trentham-Dietz, A., Vachon, C.M., Weinberg, C., Yao, S., Weitzel, J.N., Goldgar, D.E., Domcheck, S.am., Nathanson, K.L, Kraft, P., Polley, E.C. Population-based breast cancer risk estimates for predisposition gene mutations: Results from the CARRIERS study. In revision, 2024.
3. Doss, G.W., Bradshaw, P.T., Steiner, A.Z., Weinberg, C.R., Jukic, A.M.Z. Predictors of first trimester crown-rump length, adjusting for ovulation-based gestational age. In review, 2024.
4. Nodzinski, M., Shi, M., Umbach, D.M., Kidd, B., Petty, T., Weinberg, C.R. A method for finding interactive effects of maternal and fetal variants. In revision, 2024.
5. Ventura, I.B., Goldberg, M.E., Schiffenbauer, A., Shi, M., Volochayev R., Jackson, S.H., Jansen, A., Bayat, N., Farhadi, P.N., Parks, C.G., Weinberg, C.R., Picardi, A., Miller, F.W., Rider, L.G. Stressful life events in the year prior to diagnosis are associated with adult systemic rheumatic diseases. In review, 2024.
6. Jia, G, Pin, J, Tao, R., Long, J., Liu, L, Xu, S., Ambs, S., Barnard, M.E., Chen, Y, Choi, J-Y., Gao, Y-T., Carcia-Closas, M., Gu, J., Hul, J.J., Iwasaki, M., John, E.M., Kweon, S-S., Matsuda, K., authors listed alphabetically, including Weinberg, C.R.) Integrating multi-ancestry genomic and proteomic data to identify target proteins for breast cancer genetic risk loci and blood risk biomarkers. In review, 2024.
7. Donzella, S.M., Rogers, M., O'Brien, K.M., Von Holle, A., Sandler, D.P., Weinberg, C.R., Diaz Santana, M.V. Sedentary time and breast cancer risk in the Sister Study Cohort. In review, 2024.

8. Diaz-Santana, M.V., Park, J., Rogers, M., O'Brien, K.M., Nichols, H.B., D'Aloisio, A.A., Bookwalter, D.B., Sandler, D.P.*, Weinberg, C.R.* (shared senior authorship). Depression, antidepressant use, and breast cancer incidence in women with a family history of breast cancer. In review, 2024.
9. Dinse, G.E., Weinberg, C.R., Parks, C.G., Co, C.A., Priest, J.T., Chan, E.K.L., Miller, F.W. Decreased cigarette smoking may partially explain the increased prevalence of antinuclear antibodies in the United States. In review, 2024.
10. Dåstøl, V.O., Haftorn, K.L., Rudsari, H.K., Jaholkowski, P.P., Størdal, K., Håberg, S.E., Weinberg, C.R., Rider, L., Andreassen, O., Brantsæter, A.L., Casteren, I.H., Sanner, H. Maternal seafood intake, dietary contaminant exposure, and risk of Juvenile Idiopathic Arthritis: Exploring gene-environment interactions. In review, 2024.
11. Diaz-Santana, M.V.*, Rogers, M.*, Weinberg, C.R. (shared first authorship) BARS: An empirical Bayes method for summarizing pregnancy history to predict later health outcomes. In review, 2024.
12. Friedman, A., Welch, B.M., Keil, A.P., Bloom, M.X., Braun, J., Buckley, J.P., Dabelea, D., Factor-Litvak, P., Meeker, J.K., Michels, K.B., Padmanabhan, V., Starling, A.P., Weinberg, C.R. Jenny Aalborg, Akram N. Alshawabkeh, Donna D. Baird, Emily S. Barrett, Alexandra M. Binder, Asa Bradman, Nicole R. Bush, PhD, Antonia M. Calafat, David E. Cantonwine, Kate E. Christenbury, José F. Cordero, Erma Z. Drobnis, Stephanie M. Enge, Brenda Eskenazi, Kim G. Harley, Russ Hauser, Julie B. Herbstman, Irva Hertz-Picciotto, Nina Holland, Tamarra James-Todd, Anne Marie Z. Jukic, Bruce P. Lanphear, Thomas F. McElrath, Carmen Messerlian, Roger B. Newman, Ruby H.N. Nguyen, Katie M. O'Brien, Virginia A. Rauh, J. Bruce Redmon^{28^}, David Q. Rich^{29^}, Emma M. Rosen^{6^}, Sheela Sathyanarayana^{30^}, Rebecca J. Schmidt, Amy E. Sparks, Shanna H. Swan, Christina Wang, Deborah J. Watkins, Barry Weinberger, Abby G. Wenzel, Allen J. Wilcox, Kimberly Yolton, Yu Zhang, Ami R. Zota, Ferguson, K, Periods of susceptibility for associations between phthalate exposure and preterm birth: Results from a pooled analysis of 16 US cohorts. In review, 2024.
13. Haftorn, K.L., Rudsari, H.K., Jaholkowski, P.P., Dåstøl, V. Ø. Hestetun S.V., Andreassen, O.A., Weinberg, C.R., Sanner, H. Nonlinearity and sex differences in the performance of a polygenic risk score for Juvenile Idiopathic Arthritis. In review, 2024.
14. Nodzinski, M., Shi, M., Umbach, D.M., Weinberg, C.R. A genetic algorithm for detecting higher-order gene-by-environment interactions using case-parent triads. In review, 2024.

15. Kresovich, J.K., Reid, B., O'Brien, K.M., Byrd, D.A. Xu, Z., Weinberg, C.R., Sandler, D.P., Taylor, J.A. DNA methylation-predicted plasma protein levels and breast cancer risk. In review, 2024.
16. Von Holle, A., Ramamurthy, S., Diaz-Santana, M.V., Kresovich, J.K., Taylor, J.A. Xu, Z., O'Brien, K.M., Sandler, D.P., Weinberg, C.R. Association between bdy iron status and biological aging. In review, 2024.

Publications in Proceedings and Book Chapters:

1. Fujimoto, W., Hershon, K., Kinyoun, J., Okamoto, J., Weinberg, C., Stolov, W., Thompson, S. and Gale, J. Maturity-onset diabetes in second-generation Japanese-American (Nisei) and Caucasian males in Seattle, Washington: a pilot study. Proceedings of the Third Symposium on Diabetes Mellitus in Asia and Oceania: Genetic Environmental Interaction in Diabetes Mellitus:101-106. Amsterdam, Excerpta Medica, 1981.
2. Nordberg, G.F., Pietrowski, J., Astill, B.D., Barlow, S., Berlin, A., Mehlman, M.A., Morgenroth, V.H. III, Sanotski, I.V., Stara, J.F., Tennant, R., Weinberg, C., and Woodward, K.N. Use of toxicity data on single chemicals to predict the effects of mixtures. In: Proceedings of the Third Symposium of SGOMSEC: Workshop on Methods for Assessing the Effects of Mixtures of Chemicals, Guildford, Surrey, England, edited by Vouk, V.B., Butler, G.C., Upton, A.C., Parke, C.V., and Asher, S.C., Wiley and Sons New York, 1987.
3. Goyer, R.A., Weinberg, C.R., Victory, W.M., and Miller, C.R. Lead induced nephrotoxicity: kidney calcium as an indicator of tubular injury. In: Nephrotoxicity, Plenum Publishing Corp., N.Y., eds. P.H. Bach and E.A. Lock, 1989.
4. Baird, D.D., Ragan, N.B., Wilcox, A.J. and Weinberg, C.R. Relationship between reduced fecundability and subsequent foetal loss. Gray, R.H., Leridon, H. and Spira, A. (eds.) Biomedical and Demographic Determinants of Human Reproduction, Clarendon Press, Oxford, 1993:329-341.
5. Wilcox, A.J., Weinberg, C.R., Baird, D.D., and Canfield, R.G. Endocrine detection of conception and early foetal loss. Gray, R.H., Leridon, H., and Spira, A. (eds.) Biomedical and Demographic Determinants of Reproduction, Clarendon Press, Oxford, 1993.
6. Shalat, S.L., Rothney, L.E., Lyon, J.L., Sandler, D.P. and Weinberg, C.R. The design of an epidemiologic study for the evaluation of lung cancer risk and residential exposure to radon. In: Proceeding of the 9th ASA Conference on Radiation and Health, Copper Mountain, CO, July 8-12, 1990, Radiation Research.

7. Weinberg, C.R., Baird, D.D. and Wilcox, A.J. Bias in retrospective studies of spontaneous abortion based on the outcome of the most recent pregnancy. in: Proceedings of Human Reproductive Ecology: Interactions of Environment, Fertility and Behavior, May 21-24, 1993, Research Triangle Park, NC, Annals of the New York Academy of Sciences, 280-286, 1994.
8. Baird, D.D., Weinberg, C.R., Schwingl, P. and Wilcox, A.J. Selection bias associated with contraceptive practice in time-to-pregnancy studies. in: Proceedings of Human Reproductive Ecology: Interactions of Environment, Fertility and Behavior, May 21-24, 1993, Research Triangle Park, NC, Annals of the New York Academy of Sciences, 709: 156-164, 1994.
9. Baird, D.D., Rowland, A.S. and Weinberg, C.R. Relative fecundability as an outcome measure in epidemiologic studies of infertility. In: Infertility and Reproductive Medicine Clinics of North America Ed Marlene Goldman, 5 (2), 309-320, 1994.
10. Dosimetry Working Group of the Committee to Study the Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons, "A review of the dosimetry data available in the Nuclear Test Personnel Review (NTPR) Program", Institute of Medicine, 15 May, 1995.
11. Weinberg, C.R. and Wilcox, A.J. Reproductive epidemiology, Chapter 29, Modern Epidemiology, 2nd edition, edited by K. Rothman and S. Greenland, 1998, Lippincott - Raven, Philadelphia.
12. Weinberg, C.R. Synergy of exposure effects. Encyclopedia of Biostatistics, edited by P. Armitage and T. Colton. Pages 4473-4477, 1998.
13. Weinberg, C.R. Conception, models for. Encyclopedia of Biostatistics, edited by P. Armitage and T. Colton. Pages 871-876, 1998.
14. Li, L., Pedersen, L.G., Darden, T.A. and Weinberg, C.R. Computational analysis of leukemia microarray expression data using the GA/KNN method. Proceedings of Critical Assessment of Microarray Data Analysis, Duke University, 12/18-19/2000.
15. Li, L., Pedersen, L.G., Darden, T.A. and Weinberg, C.R. Class Prediction and Discovery Based on Gene Expression Data, 2000 Atlantic Symposium on Computational Biology, Genome Information Systems & Technology, Duke University, NC.
16. Weinberg, C.R. and Dunson, D.B. Some issues in assessing human fertility, in Statistics in the 21st Century, edited by Raftery, Tanner and Wells, Chapman and Hall/CRC, Alexandria, VA and Boca Raton, FL, 2002.
17. Krewski, D., Lubin, J., Zielinski, J., Alavanja, M., Catalan, V., Field, R.W., Klotz, J., Letourneau, E., Lynch, C., Lyon, J., Sandler, D., Schoenberg, J., Steck, D., Stolwijk,

- J., Weinberg, C., Wilcox, H.A. A combined analysis of North American case control studies of residential radon and lung cancer: An update. *Radiation Research*. 158(6): 785-90, 2002.
18. Li, L., and Weinberg, C.R. Gene selection and sample classification using a genetic algorithm/k-nearest neighbors method. In *Understanding and Using Microarray Analysis Techniques: A Practical Guide*. Edited by Werner Dubitzky, et al, Kluwer Academic Publishers, 2002
 19. Till, J.E., Beck H.L., Brady, W.J., Gesell, T.F., Hoel, D.G, Kearsley, E.E., Kocher D.C., Moreno, J.D., and Weinberg C.R. A Review of the Dose Reconstruction Program of the Defense Threat Reduction Agency. Board on Radiation Effects Research, Division on Earth and Life Studies, National Academy of Sciences Press, 2003.
 20. Weinberg, C.R. contributor to Bloom, B. and Brown P. The Future of Public Health: A Millennial Symposium Series, Chapter 2 "Epidemiology at the Crossroads" online at <http://www.hsph.harvard.edu/foph>. 2003.
 21. Weinberg, C.R. and Wilcox, A.J. Methods in reproductive epidemiology, Chapter 29, Modern Epidemiology, 3rd edition, edited by K. Rothman, S. Greenland T. Lash, 2004, Lippincott Williams & Wilkins, Philadelphia.
 22. Bauer, A.E., Weinberg, C.R., Engel, S.M. Response to Commentary: Genetic Association Family-based Studies and Preeclampsia. *Paediatr Perinat Epidemiol* 32(1): 16-18, 2018 (PMID 29096049).
 23. Weinberg, C.R., Shi, M. and Umbach, D.M. Design and analysis of family-based case-control studies. Chapter for Handbook of Statistical Methods for Case-control Studies by Borgan, O., Breslow N., Chatterjee, N., Gail, M.H., Scott, A., Wild, C.J. Chapman and Hall/CRC Press. 2018.
 24. Weinberg, C.R., Jukic, A.M. and Wilcox, A.J. Reproductive Epidemiology, Chapter 33, Modern Epidemiology, 4th edition, edited by K. Rothman, T. Lash and S. Greenland, 2021, Lippincott - Raven, Philadelphia.

Letters since 1995:

1. Weinberg, C.R., Umbach, D.M., and Greenland, S. Response to comments of Thomas, and comments of Birkett RE "When will nondifferential misclassification of an exposure preserve the direction of a trend?" letter, Am J Epidemiol, 142(7): 784, 1995.

2. Weinberg, C.R. "Should we adjust for pregnancy history when the exposure effect is transient?" letter, Epidemiology, **6**(3): 335-337, 1995.
3. Whelan, E.A., Sandler, D.P. and Weinberg, C.R. RE: "Menstrual cycle patterns and risk of breast cancer" letter, American Journal of Epidemiology, **141**(12): 1201, 1995.
4. Weinberg, C.R., Baird, D.D., and Wilcox, A.J. RE: the effects of caffeine consumption on delayed conception. letter, the American Journal of Epidemiology, **144**(6): 799, 1996.
5. Rockhill, B. and Weinberg, C.R. On calculation of population attributable risk; RE "Poverty and death in the United States - 1973 and 1991." letter, Epidemiology, **7**(4):453-4, 1996.
6. Wilcox, A.J., Weinberg, C.R., and Baird, D.D. "Pregnancy and the timing of intercourse" letter, New England Journal of Medicine, **334**(19): 1267-1268, 1996.
7. Zhou, H. and Weinberg, C.R. RE: Smoking reduced fecundity: A European multicenter study on infertility and subfecundity" letter, American Journal of Epidemiology, **145**(1): 81, 1997.
8. Weinberg, C.R., Baird, D.D. and Wilcox, A.J. "RE: Follicular phase length, time of insemination, mean cycle length, season of mother's birth, and sex ratio of offspring. letter, Human Reproduction, **12**: 398-99, 1997.
9. Weinberg, C.R. and Wilcox, A.J. RE: Studies based on genotyping cases and their parents. American Journal of Epidemiology **150**(4): 428-9, 1999.
10. Weinberg, C.R. RE: Asymptotic bias and efficiency in case-control studies of candidate genes and gene-environment interactions: basic family designs. by Witte, Gauderman, and Thomas, **152**: 689-91, American Journal of Epidemiology, 2000.
11. Weinberg, C.R. and Mitchell, L. RE Labuda, D., M. Krajinovic, A. Sabbagh, C. Infante-Rivard and D. Sinnott (2002). "Parental genotypes in the risk of a complex disease." American Journal of Human Genetics **71**(5): 1239-40, 2002.
12. Wilcox, A.J., Weinberg, C.R. and Baird, D.D. Correction regarding probability of conception. New England Journal of Medicine.
13. Weinberg, C.R. RE: Arsenic and drinking water. Epidemiology **12**(2): 255, 2004.
14. Weinberg, C.R. RE: letter regarding Barker meets Simpson, American Journal of Epidemiology **162**(3): 292, 2005.
15. Weinberg, C.R. RE: A pooling strategy for screening for cervical cancer in a resource-limited setting. New England Journal of Medicine **361**(3):305-6, 2009.

(PMID 19610159; PMCID PMC2757735)

16. Weinberg, C.R., Shi, M. and Umbach, D.M. RE: Genetic association and gene-environment interaction: A new method for overcoming lack of exposure information in controls, American Journal of Epidemiology **173**(11):1346-7, 2011. (PMID 21558409; PMCID PMC3105254)
17. Wilcox, A.J., Basso, O. and Weinberg, C.R. On the problem of adjustments for birth weight. Pediatrics Epub, 2011.
18. Weinberg, C.R. Graphical scales and public health relevance. American Journal of Epidemiology **174**(3): 377, 2011.
19. Wilcox, A.J., Weinberg, C.R., Basso, O., and Harmon, Q. Analyzing risks of adverse pregnancy outcomes. American Journal of Epidemiology **181**(3): 218, 2015 (PMID 25612573).
20. Weinberg, C.R. and Zaykin, D. Response to letter from Tarone RE bad luck and cancer. Journal of the National Cancer Institute **107**(10), August 2015. (PMID 26283610).
21. Weinberg, C.R. Response to letter from Saha-Chaudhuri. American Journal of Epidemiology, July 24, 2020.
22. Weinberg, C.R. Does Covid-19 vaccination disturb menstrual cycling? American Journal of Epidemiology, **192**(5): 849-850, 2023.
23. Weinberg, C.R. Response to "Vaccination and the menstrual cycle", American Journal of Epidemiology, June 28, **192**(9): 1606, 2023.

Invited talks since 1995:

1. Weinberg, C.R. "Sex and the single ovum: the timing of intercourse in relation to the probability of conception." Seminar sponsored by the Department of Biostatistics, University of North Carolina at Chapel Hill, January 13, 1995.
2. Weinberg, C.R. "Models relating conception to the timing of intercourse and other factors." Presented at the Dipartimento di Scienze Statistiche, Universita di Padova, Padua, Italy, May 25, 1995.
3. Weinberg, C.R. "Sex and the single ovum: models for human fertility." Symposium in celebration of the 25th Anniversary of the School of Public Health, Department of Biostatistics, University of Washington, Seattle, Washington, September, 1995.

4. Weinberg, C.R. "Assessing gene by environment interaction in case-control studies." Department of Biostatistics, Harvard School of Public Health, October 30, 1995.
5. Weinberg, C.R. "Design and analysis of case-control studies using randomized recruitment." Department of Epidemiology, Harvard School of Public Health, October 31, 1995.
6. Weinberg, C.R. "Exposures and outcomes of *in vitro* fertilization." Conference for Clinical Fellows, NIEHS, January 24, 1996.
7. Weinberg, C.R. "Assessing gene by environment interaction in case-control studies." Invited Lecture for the Cancer Epidemiology course, Department of Epidemiology, University of North Carolina at Chapel Hill, February 22, 1996.
8. Weinberg, C.R. Sandler, D.P., Umbach, D.M., Moledor, E., Lyon, J.L., Bishop, M., Archer, A., Stolwijk, J., Rothney-Kozlak, L., Noss, J.. "Progress report: the Connecticut/Utah/Idaho study of lung cancer and indoor radon." Invited talk at the ASA Conference on Radiation and Health, Vail, Colorado, June, 1996.
9. Weinberg, C.R., "Comments on the application of measurement error models in the real world." Invited discussant, the ASA Conference on Radiation and Health, Vail, Colorado, June, 1996.
10. Weinberg, C.R. and Zhou, H. "Statistical models for human fertility." Invited Bohn Lecture at the Twenty-fourth Annual Miami University Mathematics and Statistics Conference, September, 1996.
11. Weinberg, C.R. "Confounding and causal pathways" invited lecture for Epidemiology 268, University of North Carolina at Chapel Hill, March 17, 1997.
12. Weinberg, C.R. and Zhou, H. "Model-based approaches to studying fertility and contraceptive efficacy." Invited talk at the Institute for Reproductive Health, Georgetown University, Washington, D.C. April 3, 1997.
13. Weinberg, C.R. "Innovative designs and analysis for studying gene-environment interactions." Invited lecture for Cancer Epidemiology, Department of Epidemiology, University of North Carolina at Chapel Hill, April 10, 1997.
14. Weinberg, C.R. "Imputation for exposure histories with gaps." The National Cancer Institute, April 11, 1997.
15. Weinberg, C.R. "Sex and the single ovum: new approaches to modeling human fertility." Population Research Institute at Pennsylvania State University, University Park, PA, April 16, 1997.

16. Weinberg, C.R. "Innovative designs and analyses for studying gene-environment interactions." Memorial Sloane Kettering Cancer Institute, New York, May 16, 1997.
17. Weinberg, C.R. and Wilcox, A.J. "Case-only and case triad studies to assess genetic effects on risk, with application to studies of oral clefting." International Biometric Society, Nordic Regional Meeting, Ås, Norway, June 19, 1997.
18. Weinberg, C.R., Wilcox, A.J. and Lie, R.T. "What can we learn from genetic studies of cases and their parents?" Piedmont Genetic Epidemiology Society meeting, Chapel Hill, North Carolina, October 6, 1997.
19. Weinberg, C.R. "Case-only study designs for the study of gene-nutrient interactions." Invited lecture for Epidemiology 268 (Diet and Cancer), University of North Carolina, February 3, 1998.
20. Weinberg, C.R., London, S., Sandler, D., Longnecker, M., and Taylor, J. "Using genetically-enriched cohorts to study gene-by-environment interaction: Is there power in sisterhood?" National Cancer Institute, Rockville Maryland, February 19, 1998.
21. Weinberg, C.R. "Methods to distinguish maternally-mediated and direct genetic effects." Invited lecture for Genetic Epidemiology: Methods and Applications (Epidemiology 229) at University of North Carolina, March 17, 1998.
22. Weinberg, C.R. Bernard G. Greenberg Distinguished lectureship, May 11-15, 1998, Department of Biostatistics, University of North Carolina at Chapel Hill:
 1. Biased sampling for case-control studies: the case for randomized recruitment.
 2. Using pooled exposure assessment to improve efficiency in case-control studies.
 3. Sex and the single ovum: Progress in modeling human fertility.
 4. What can we learn about genetic risk factors from studies of cases and their parents?
 5. Within-cluster resampling: a new approach to analysis of dependent data.
23. Weinberg, C.R. and Umbach, D.M. Pooled exposure assessment: an efficient strategy for case-control studies that must rely on an expensive assay. Spotlight Session at the annual meeting of the Society for Epidemiologic Research, Chicago, Illinois, June, 1998.
24. Weinberg, C.R. Sex and the single ovum. Department of occupational medicine. Orebro University, Orebro, Sweden, August, 1998.
25. Weinberg, C.R. Within-cluster resampling for analysis of clustered data. Department of Statistics, Orebro University, Orebro, Sweden, August, 1998.

26. Weinberg, C.R., Wilcox, A.J. and Lie, R.T. Distinguishing the effects of maternal and offspring genes through studies of case-parent triads. NIH Birth Defects and Teratology Interest Group, September 17, 1998.
27. Weinberg, C.R. Distinguishing maternally-mediated and direct genetic effects. Genetic Epidemiology, University of North Carolina Epidemiology, March 25, 1999.
28. Weinberg, C.R. Some pitfalls in studying mortality in relation to chronic exposure to air pollution. Health Effects Institute annual meeting, La Jolla, CA, May 1999.
29. Weinberg, C.R. What can we learn from genetic studies of cases and their parents? Tulane University, November 3, 1999.
30. Weinberg, C.R. What can we learn from genetic studies of cases and their parents? Reproductive Epidemiology Seminar, UNC, November 12, 1999.
31. Weinberg, C.R. Case-only studies for gene-by-environment interaction. Lecture in Diet and Cancer Course, Epidemiology, University of North Carolina, February 3, 2000.
32. Weinberg, C.R. Designing studies to detect environmental interactions with low penetrance genes. Leader of Roundtable discussion, ENAR, Chicago, March, 2000.
33. Weinberg, C.R. Answerables and not-so-answerables in reanalyzing cohort studies of mortality in relation to chronic exposure to air pollution. Annual meeting of the Health Effects Institute, April, 2000.
34. Weinberg, C.R. The Future of Epidemiology, Panelist, Harvard University, May 4, 2000.
35. Weinberg, C.R. Fertility can be complicated. Discussant, Joint Statistical Meetings, session on modeling fertility, August, 2000, Indianapolis, IN.
36. Weinberg, C.R. Within-cluster resampling for analysis of dependent binary data. ASA Atlanta Chapter meeting featured speaker, December 2000.
37. Weinberg, C.R. Using pooled exposure assessment to improve efficiency in case-control studies. Centers for Disease Control seminar, December, 2000.
38. Weinberg, C.R. and Umbach, D. Designs for studying gene-gene and gene-by-environment interaction. Human Genome Epidemiology Workshop, Centers for Disease Control, January 29-30, 2001, Atlanta Georgia.
39. Weinberg, C.R. Are there remaining issues in relating health effects to spatial and temporal variation in PM air pollution? HEI Workshop on Accountability, Baltimore, MD. February 1, 2001.

40. Weinberg, C.R. Gene expression array data can reveal important disease subtypes. Presentation to NIEHS Council, February 12, 2001, Bethesda, MD.
41. Weinberg, C.R. Using case-parent triads to assess effects of an inherited candidate gene, maternally-mediated effects, and parent-of-origin effects. Center for Human Genetics, Duke University Medical Center, February 20, 2001.
42. Weinberg, C.R. The many contributions of Samuel Greenhouse to biostatistics. ENAR, Charlotte, NC, March, 2001.
43. Weinberg, C.R. Assessing confounding by means of directed acyclic graphs (DAGs). University of North Carolina, Epidemiology 369, Causal Inference Module, April 10 and 12, 2001.
44. Weinberg, C.R. Overlooked designs; missed opportunities. Methods Plenary Session for the 2001 Epidemiology Congress in Toronto, June, 2001.
45. Weinberg, C.R. Design issues and options in detection of GxE interaction. Invited speaker at the Workshop on "Design of case-control studies of gene-environment interaction" October 1-2, 2001, Oxford, England, sponsored by the Imperial Cancer Research Fund.
46. Weinberg, C.R. Using cases and their parents to evaluate the contribution of genetic variants to disease susceptibility. Johns Hopkins, March 6, 2002.
47. Weinberg, C.R. "Pooling specimens can improve the efficiency of case-control studies" in the Symposium on Biostatistical and Biomathematical Problems in Environmental Health, NIEHS, June 7, 2002.
48. Weinberg, C.R. "New and under-utilized tools". Keynote address at the retreat "Genomic approaches to the study of disease etiology" at the University of Pennsylvania School of Medicine, Philadelphia, PA, June 19-20, 2002.
49. Weinberg, C.R. Analysis of candidate genes for complex diseases. International Biometrics Conference, Freiburg, Germany, July 21-26, 2002.
50. Weinberg, C.R. Unusual designs in epidemiology. Workshop on statistical methods at the Congress on Epidemiology in Occupational Health, Barcelona, Spain, September 11-15, 2002.
51. Weinberg, C.R. What can we learn from cases and their parents about genetic contributions to risk and gene by environment interaction? University of Aarhus, Aarhus, Denmark, February 5, 2003.
52. Weinberg, C.R. Some approaches to studying gene-by-environment interaction, with suggested applications to the A-bomb cohorts. Radiation Effects Research Foundation,

Hiroshima, Japan, March 12, 2003.

53. Weinberg, C.R. Can we do better? Alternative designs in epidemiology. Seminar jointly sponsored by the Center for Environmental Health and Susceptibility (CEHS) and the UNC Department of Biostatistics, Chapel Hill, NC, October 15, 2003.
54. Weinberg, C.R. Using genotype data from case-parent trios to assess linkage disequilibrium with a quantitative trait. UCLA Department of Genetics, March 1, 2004.
55. Weinberg, C.R. Using case-parent trios to study gene-by-environment interaction. Lecture for Advanced methods in perinatal and pediatric epidemiology. UNC Department of Epidemiology, spring 2004.
56. Weinberg, C.R. Outcome-dependent designs for family studies of quantitative and qualitative traits. Joint Statistics Meeting, Toronto, Canada, August 2004.
57. Weinberg, C.R. When less is more: epidemiologic designs where data are intentionally missing. February 18, 2005, AAAS, Washington, D.C.
58. Weinberg, C.R. Statistical methods for studying genetic contributions to risk of birth defects. Eastern North American Regional meeting of the Biometrics Society, March, 2005.
59. Weinberg, C.R. Instructor in module on association mapping for the Summer Institute on Statistical Genetics at NC State University, Raleigh, NC, Jun 1-3, 2005.
60. Weinberg, C.R. Family-based and hybrid methods for studying maternal, fetal and parent-of-origin effects on complex diseases. University of Alabama Department of Biostatistics, Janet Norwood Award Lecture, Birmingham, October, 2005.
61. Weinberg, C.R. Designs for assessing maternally-mediated genetic effects. National meeting, American Society of Human Genetics, Salt Lake City, Utah, October, 2005.
62. Weinberg, C.R. Finding genes related to conditions with onset early in life. Case Western Reserve, Department of Epidemiology and Biostatistics, November, 2005.
63. Weinberg, C.R. Finding genes related to conditions with onset early in life. Columbia University, Department of Epidemiology, March, 2006.
64. Weinberg, C.R. Instructor in module on association mapping for the Summer Institute on Statistical Genetics at the University of Washington, June 2006.
65. Weinberg, C.R. Hybrid vigor: Family-based and population-based designs can work together. Joint Statistical Meetings, Seattle, August, 2006.

66. Weinberg, C.R. IARC Workshop “Methodologic Issues in the Design and Analysis of Gene and Environment Studies”, Lyon, France, February 15-16, 2007.
67. Weinberg, C.R. Using nuclear families to identify genetic contributions to early life disease. Emory University, Atlanta, March 29, 2007.
68. Weinberg, C.R. Why I am not (yet) a believer: Thoughts on ambient air pollution, fetal growth and preterm birth. International Workshop on Air Pollution and Reproduction, Munich, May 9-11, 2007.
69. Weinberg, C.R. and Shi, M. Using nuclear families to identify genetic contributions to early life disease. Advanced Methods Tutorial, Society for Pediatric and Perinatal Epidemiologic Research, Boston, June, 2007.
70. Weinberg, C.R. The Two Sister Study: Genetic and environmental factors in young-onset breast cancer. Mission Meeting for the Susan G. Komen for the Cure foundation, August, 2007.
71. Weinberg, C.R. Less is more, except when less is less: Studying joint effects. Conference on Design and Analysis Issues in Genomic Studies in Population Sciences, Harvard School of Public Health, Boston, October, 2007.
72. Weinberg, C.R. Nested case-control versus case-cohort approaches – which to choose? NCI Cohort Consortium Workshop, Washington, D.C., November, 2007.
73. Weinberg, C.R. Directed Acyclic Graphs: Can they represent effect modification? Department of Biostatistics seminar, University of Copenhagen, Denmark, February 5, 2008.
74. Weinberg, C.R. Can DAGs represent effect modification? Workshop on graphical approaches to causality, ECNIS (Environmental Cancer Risk, Nutrition and Individual Susceptibility), Malmo, Sweden, February 7, 2008.
75. Weinberg, C.R. The case-parent triad option in gene-environment studies. In “Gene, Environment, Lifestyle Interaction and Human Reproduction,” a conference sponsored by Serono Symposia International Foundation, Malmo, Sweden, February 7-9, 2008.
76. Weinberg, C.R. lecture on “Using nuclear families to identify genetic contributions to risk” in Advanced Reproductive and Pediatric Epidemiology course at UNC School of Public Health, March 5, 2008.
77. Weinberg, C.R. “The case-parent triad design option for diseases with onset early in life” American Epidemiological Society meeting, Pittsburgh, PA, March 27, 2008.
78. Weinberg, C.R. lectures at IARC Summer School on Cancer Epidemiology for Methodological Issues in the Design and Analysis of Gene and Environment Studies,

June 23-27, 2008, Lyon, France.

79. Weinberg, Using nuclear families to study joint etiologic effects of genetics and environment for young-onset disease. European Association for Cancer Research, July 5-8, 2008, Lyon, France.
80. Weinberg, C.R. Gene-by-environment interaction based on family studies. at the workshop: Genome-wide Association: Analyze This! August 4-5, 2008, Bethesda, Maryland.
81. Weinberg, C.R. Using families to study genetic susceptibility to prematurity. at a symposium sponsored jointly by the Burroughs Wellcome Fund and the March of Dimes, December 1-3, 2008, Dallas, Texas.
82. Weinberg, C.R. Using nuclear families to study susceptibility haplotypes. at the University of Texas School of Public Health, December 3, 2008, Houston, Texas.
83. Weinberg, C.R. Using nuclear families to study haplotype-by-environment interaction, invited, American Statistical Association meeting, August, 2009.
84. Weinberg, C.R. Using nuclear families to study haplotype-by-environment interaction, University of South Carolina, October 1, 2009.
85. Weinberg, C.R. Specimen pooling for biomarkers in case-control and discrete-time survival studies. UNC 60th birthday symposium, October 14, 2009.
86. Weinberg, C.R. Encountering the generalized linear model in the minefields of epidemiology. The Norman E. Breslow Distinguished Lecture, University of Washington, Seattle Washington, November 5, 2009.
87. Weinberg, C.R. The post-genomic age and the unfulfilled promise of personalized medicine: What's missing? What can biostatisticians do to help? Lowell Reed Lecture, American Public Health Association annual meeting, November 2010.
88. Weinberg, C.R. A sibling-augmented case-only design for assessing multiplicative gene-environment interaction. Spotlight Session, Society for Epidemiologic Research, Congress of Epidemiology, Montreal, Canada, June 2011.
89. Weinberg, C.R. The post-genomic age and the promise of personalized medicine: What's missing? Keynote lecture, Statistical Science Awards Ceremony 2011, CDC and ATSDR, Atlanta, June 30, 2011.
90. Weinberg, C.R. Assessing GxE using nuclear families: Can we make it robust? Annual meeting of the American Statistical Association. Miami, August, 2011.

91. Weinberg, C.R. Specimen pooling for biomarkers: Making the most of precious bodily fluids. Departmental Seminar, Duke Department of Biostatistics, September 16, 2011.
92. Weinberg, C.R. Specimen pooling for biomarkers: Making the most of precious bodily fluids. University of Minnesota Department of Biostatistics, November 30, 2011.
93. Weinberg, C.R. Beyond logistic regression and case-only tests. NCI Think-tank on Gene-Environment Interaction, Bethesda, January 10, 2012.
94. Weinberg, C.R. Using nuclear families to find genes related to conditions with onset early in life. January 26, 2012, International Speaker Seminar Series, University of Toronto, Toronto, CANADA. In connection with the Strategic Training for Advanced Genetic Epidemiology (STAGE) program and service as a member of the Program Advisory Committee.
95. Weinberg, C.R. Case-sibling designs that acknowledge unstudied parents and enroll unmatched individuals. NIH Biostatistics Symposium, "Statistics in Biomedical Research: Making and Translating New Discoveries", November 10, 2012, NIH campus, Bethesda, Maryland.
96. Weinberg, C.R. Some neglected designs in epidemiology. Epidemiology Students Organization Keynote Fall Lecture, November 15, 2012, UNC, Chapel Hill, NC.
97. Weinberg, C.R. Randomized Recruitment. Lecture for the staff of the Carolina Breast Cancer Study, 2013, UNC Epidemiology Department, Chapel Hill, NC.
98. Weinberg, C.R. Making use of asymmetries in family history data: Can we learn about genetics from grandmothers? Epidemiology Department seminar, February, 2014, Brown University, Providence, Rhode Island.
99. Weinberg, C.R. Asymmetries in family history data: What can we learn from our grandmothers, Seminar at the National Cancer Institute, February, 2014.
100. Weinberg, C.R. Exploring the role of season in preterm birth. International Epidemiology Association meeting, Anchorage, Alaska, August 2014.
101. Weinberg, C.R. Is bad luck the main cause of cancer? American Epidemiologic Society, University of California, Berkeley, CA, March, 2015.
102. Weinberg, C.R. Methods for finding risk-related X chromosome variants, Biostatistics Departmental Seminar at UNC, Chapel Hill, April, 2016.
103. Weinberg, C.R. What can case-parent studies tell us about joint effects of genetic and environmental factors? Gene-environment interaction in oral clefting. Workshop

sponsored by the National Institute of Dental and Craniofacial Research. September, 2016.

104. Weinberg, C.R. Seasonal patterns in risk of preeclampsia and preterm birth in Norway. Seminar for Department of Epidemiology, University of North Carolina at Chapel Hill, February, 2017.
105. Weinberg, C.R. Can we find the multi-SNP contributors to disease risk? Bernard Harris Memorial Symposium, sponsored by the Section on Risk Analysis of the American Statistical Association, May 11, 2018 at NC State University.
106. Weinberg, C.R. Evidence for familial clustering of breast cancer age at onset. Sholom Wacholder Distinguished Lecture, October 3, 2019 at NCI, Rockville, MD.
107. Weinberg, C.R. Reproductive epidemiology and broader contributions to epidemiologic methods. Allen J. Wilcox Festschrift, NIEHS, October 18, 2019.
108. Weinberg, C.R. Lecture for UNC EPID 853, Advanced Methods for Reproductive Epidemiology, “Confounded analyses that plague reproductive epidemiology” January 24, 2020.
109. Weinberg, C.R. Robert W. Makuch Lecture at the 60th Anniversary of the Founding of the Department of Statistics at the University of Connecticut. “Using families to identify genetic and environmental contributors to young-onset disease”, October, 2022.
110. Weinberg, C.R. Invited lecture in Advanced Reproductive Epidemiology at Boston University. “Using time to pregnancy to study human fertility”, October 2024.

Grants awarded:

Susan G. Komen for the Cure 2007-2013. Principal Investigator, \$1.7M for *the Two Sister Study*, a family-based study of genetic and environmental causes of young-onset breast cancer.

Department of Defense, 2013-2017. Co-investigator (Principal Investigator, Fred Miller) \$0.6M for *Environmental Risk Factors for the Development of Myositis in Military Personnel*.

National Institutes of Health, Office of Dietary Supplements, 2014-2015. Co-investigator (Principal Mentor, for Principal Investigator, Katie O’Brien) \$100K for “The Joint Effects of Vitamin D, Genetics and Epigenetics in the Prevention of Breast Cancer”.