

Asa Bradman, PhD

Bio: Dr. Asa Bradman is an environmental health scientist and expert in exposure assessment and epidemiology focusing on occupational and environmental exposures to pregnant women and children. He co-founded the Center for Environmental Research and Children's Health (CERCH) in the UC Berkeley School of Public Health and directs an initiative to improve environmental quality in California child care facilities. Dr. Bradman leads exposure and epidemiologic studies focusing on pesticides, flame retardants, metals, emerging pollutants, VOCs, indoor air quality, and other contaminants. He also participates in extensive community outreach and education and interfaces with other scientists, state and federal agencies, policy makers, and industry. He sits on several advisory bodies and is Chair of the California Biomonitoring Scientific Guidance Panel (appointed by Governors Schwarzenegger (2007) and Brown (2013)).

EDUCATION

Ph.D.	Public Health, UC Berkeley	1997	Environmental Health Sciences
M.Sc.	UC Berkeley	1989	Energy and Resources
B.Sc.	UC Berkeley	1984	Conservation Resources Studies

PROFESSIONAL EXPERIENCE

2015-present	Adj. Associate Professor , Environmental Health Sciences, School of Public Health, UC Berkeley. Faculty Affiliate: Berkeley Food Institute
1998-present	Co-Founder and Associate Director: Center for Children's Environmental Health Research. Director: Initiative on Environmental Quality in Childcare; School of Public Health, University of California, Berkeley.
1994-1997	Research Scientist: Childhood Lead Poisoning Prevention Branch, California Department of Health Services, Emeryville, California.
1994-1993	Research Scientist: Environmental Health Investigations Branch, California Department of Health Services, Berkeley, California
1986-1990	Consultant: Municipal electricity demand, biomass electrical generation.
1989-1990	Consulting Analyst: National Acid Precipitation Assessment Program (NAPAP), Berkeley, California.
1989	Real Estate Analyst AIDS Housing: Catholic Charities, Oakland, CA
1984-1989	Field Scientist: Rocky Mountain Biological Laboratory and Lawrence Berkeley Laboratory, Crested Butte, Colorado and Berkeley, California.
1982-1984	Produce Manager: Cooperative Connections Market, Berkeley, CA.

ADVISORY PANELS AND BOARDS

2015-Present	Medical and Scientific Advisory Board, Honest Company, Santa Monica, CA
2014-Present	California Child Care Health and Safety Regulatory Workgroup, California Department of Social Services, Care Licensing Division, Sacramento, CA
2014-Present	Board of Trustees, The Organic Center, Washington DC.
2013-Present	Science Advisory Board, The Organic Center, Washington DC.
2012-Present	Science Council, Children's Environmental Health Network Eco-Healthy Child Care program.
2007-Present	Scientific Guidance Panel, California Environmental Contaminant Biomonitoring Program (CECBP), Appointed by Governor Arnold Schwarzenegger (2007), Reappointed by Governor Brown (2013). Appointed Chair in November, 2015
2006-Present	Scientific Advisory Council, National Center for Healthy Homes, Bethesda, MD.
2012-2013	Biomonitoring Expert Workgroup, US EPA Pesticide Program Dialogue Committee; 21 st Century Toxicology/New Integrated Testing Strategies Workgroup.

2009-2010	National Children's Study Pesticide Exposure Expert Working Group. Convened by US EPA
2007-2009	Centers for Disease Control and Prevention, Expert Panel, Housing Quality Intervention Research.
2004-2007	California Advisory Board member, Silent Spring Institute, MA
2005	Expert Panel Member, Workshop on the Analyses of Children's Pesticide Measurement Data, National Exposure Research Laboratory, U.S. EPA, Research Triangle Park, North Carolina September 2005
2002-2004	Exposures to Chemical Agents Working Group, National Children's Study (NIH/NICHD/EPA/CDC) (www.nationalchildrensstudy.gov/committees)
2002-2003	Advisory Board Member, California Biomonitoring Project, California Department of Health Services.
2002	Member, NIEHS external site review committee for University of California, Davis NIEHS Core Environmental Health Science Center.
1994	Member, Exposure Assessment Workgroup, California Comparative Risk Project, Office of Environmental Health Hazard Assessment, California EPA.

AWARDS AND FELLOWSHIPS

2013	California Department of Pesticide Regulation IPM Innovators Award with California Child Care Health Program for IPM Toolkit for child care providers.
2007	US EPA Children's Environmental Health Excellence Award, "For Outstanding Leadership in Protecting Children from Environmental Health Risks", awarded as part of team working with the National Exposure Research Laboratory, U.S. EPA
2006-2007	Mentor, Leadership Grant, Robert and Patricia Switzer Foundation, Belfast, Maine.
2001	University of California, Berkeley Chancellor award for Community/University Partnerships.
1996 to 1997	Switzer Environment Fellowship, Robert and Patricia Switzer Foundation, Belfast, Maine.
1996	Regents Fellow, Graduate Division, University of California, Berkeley.
1993 to 1994	Dowdle Award for Research in Lung Disease and Mental Health, School of Public Health, University of California, Berkeley.
1992	Fitzgerald Scholarship, Graduate Division, University of California, Berkeley.

PROFESSIONAL SOCIETIES

- International Society for Exposure Science
- International Society for Children's Health and the Environment (ISCHE)

GRANTS

Principal Investigator (Bradman) (*open grants in italics*)

- Pest management and pesticide use in California child care centers. \$51,033. California Department of Pesticide Regulation. 2008-2010.
- Kern County Location, National Children's Study. \$500,000. National Institute of Child Health and Development.
- IPM Toolkit for child care providers. PI on subcontract to UCSF. Funded by California

- Department of Pesticide Regulation. Subcontract=\$90,000. 2009-2011.
- Environmental quality in California child care. California Air Resources Board. 2009-2012. \$417,000.
- Green cleaning and sanitizing in child care. PI and co-investigator on subcontract to UCSF. Funded by California Department of Pesticide Regulation. \$~15,000. 2012-2013.
- *IPM training resources for pest management professionals serving California child care. Funded by California Department of Pesticide Regulation. \$200,000. 2012-2014.*

New Grants in 2013-2015:

- *Identifying unknown VOCs in indoor Air. California Air Resources Board. 2013-2014. \$90,000*
- *VOC emissions from art hazards. California Office of Environmental Health Hazard Assessment. 2013-2014. \$150,000*
- *Current flame retardant exposure and neurodevelopment in children. R21. 2013-2015 \$432,000.*
- *Prenatal and early childhood fumigant exposure and health effects. NIEHS. R01. Pending. \$1,000,000.*
- *Chemical contaminants in breastmilk for children in neonatal intensive care units. Human Milk Banking Association of North America. Final agreement pending \$90,000.*
- *Pesticide use in California long-term care facilities. California Department of Pesticide Regulation. Pending. \$255,000.*

Key Personnel/Project Director (Bradman) (*open grants in italics*)

- ***Project Director** for RO1-level exposure component of NIEHS/EPA Center for Excellence: Childrens' Environmental Health. 2009 Renewal. \$5,000,000. 2009-2013.*
- ***Key Personnel /exposure** for Flame retardant exposure and neurodevelopment NIEHS R01. ~\$2,000,000. 2008-2013.*
- ***Key Personnel/exposure** for Organchlorine pesticide and flame retardant exposure and puberty onset. . ~2,000,000. 2009-2013.*
- ***Key Personnel/exposure** for DDT and pyrethroid exposure due to malaria control. NIEHS R01. ~\$2,000,000. 2011-2015.*
- ***Key Personnel/exposure** for Phthalate exposure and obesity. NIEHS R01. \$1,500,000.*

Closed Grants: Key Personnel/Project Director (Bradman)

- **Project Director** for RO1-level exposure component of NIEHS/EPA Center for Excellence: Childrens' Environmental Health. . \$5,000,000. 1998-2003.
- **Project Director** for RO1-level exposure component of NIEHS/EPA Center for Excellence: Childrens' Environmental Health. \$5,000,000. 2003-2008.
- **Key Personnel/exposure** for Intervention to reduce pesticide exposures to children. NIEHS R01. ~1,500,000.
- **Key Personnel/exposure** for Endocrine disrupting pesticide exposure and neurodevelopment.. NIEHS R01. ~1,500,000.
- **Key Personnel/exposure** for Endocrine disruptor exposures in Latina girls. \$600,000. UC Breast Cancer Research Program. 2012-2015.
- **Key Personnel/exposure** for Bisphenol A exposure and health effects. NIEHS R01. ~\$1,100,000. 2009-2013.

TEACHING

- PH 150b, PH 270. Introduction to environmental health. Since 2012. Co-Instructor.

- Beahrs Environmental Leadership Program, UC Berkeley, Pesticides and human health. 2013-2015..
- University of Guyana-Vanderbilt-UCSF MPH program for Guyana, Pesticides and human health. 2014
- Various environmental health guest lectures to undergraduate and graduate UC Berkeley Public Health and ESPM courses.
- Various environmental lectures to undergraduate Civil Engineering students at Stanford University (with Dr. Jim Leckie) and Touro University (Vallejo).
- Extensive outreach and education to child care providers including:
 - o general environmental health
 - o development (with UCSF) of an award winning curriculum on pesticides and integrated pest management in child care
 - o green cleaning and sanitizing
- Extensive outreach and education to farmworkers on strategies to prevent pesticide exposures
- CEU Provider, California Department of Pesticide Regulation and Structural Pest Control Board. Integrated pest management in California schools and child care facilities. 2014 – Present.
- Mountaineering (glacier travel/safety; rock climbing); avalanche safety; search and rescue instruction. National Outdoor Leadership School, Wyoming. 1985.

STUDENT ADVISING/SUPPORT

Master Students

- Lisa Rosas, MPH, Epidemiology 2002. NIEHS/EPA Center Grant.
- Christine Dobson, MPH, EHS 2008. Directly funded.
- Birgit Claus-Henn, MPH, EHS 2003. NIEHS/EPA Center Grant, Exposure.
- Fraser Gaspar, MPH, EHS, 2011. Directly funded.
- Marie Tysman, MPH – Cand, 2015. Directly funded.
- Tina Hoang, MPH – Cand, 2015. Directly funded.
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PhD Students/Mentees

- Rosemary Castorina, PhD, EHS 2003. NIEHS/EPA Center Grant, Exposure.
- Paloma Beamer, PhD, Civil Engineering – Stanford University.
- Jonathan Chevrier, PhD, Epiemiology 2008. NIEHS/EPA Center Grant.
- Lesliam Quiros, PhD, EHS 2010. NIEHS/EPA Center Grant, Exposure.
- Rosana Hernandez, PhD, EHS 2010. NIEHS/EPA Center Grant, Exposure.
- Robert Gunier, PhD, EHS 2013. NIEHS/EPA Center Grant, Exposure.
- Fraser Gaspar, PhD, EHS 2014. South Africa R01.
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Undergraduate Students

- Elodie Tong-Lin, STEER Intern. Supervised participation on CARB study and risk assessment of environmental contaminants in child care. Supported her for successful follow-up internship and job placement at the US Food and Drug administration. 2010-1011.
- Ana Schwabach, STEER Intern. 2009
- Casey Palmer, STEER Intern. 2009
- Sarah Theiner, Support to work on DPR funded IPM project. 2013-2014.
- Alex Shi, STEER intern and supported by CARB grants. 2014-2015.

REPORT/GRANT REVIEWS

- External Review: EPA Pilot Study Evaluating Personal, Housing and Community Factors Influencing Children’s Potential Exposures to Indoor Contaminants at Various Lifestyles – A Research Protocol., US EPA, August, 2014

- Parathion Toxicological Profile, External Review, ATSDR, November 2013
- Invited reviewer for the NIH special emphasis panel ZRG1 PSE-H 02. 2013, “Environmental Epidemiology, Obesity and Health” March, 2013
- Israel Environmental Health Foundation, 2013
- Agricultural Pesticide Use Near Public Schools in California, California Environmental Health Tracking Program, California Department of Public Health, 2012
- Child Psychopathology and Developmental Disabilities Study Section, Center for Scientific Review, National Institutes of Health, 2008
- Wellcome Trust Grant Review, 2007
- Human Biomonitoring for Environmental Chemicals – National Research Council, Committee on Human Biomonitoring for Environmental Toxicants, National Research Council, February, 2006.
- Psychosocial Risk and Disease Prevention Study Section, Center for Scientific Review, National Institute of Health, 2006
- Children’s Total Exposure to Persistent Pesticides and Organic Pollutants, U.S. Environmental Protection Agency, 2004

EDITORIAL BOARD

- Journal of Exposure Science and Environmental Epidemiology

JOURNAL REFEREE

- Environmental Health Perspectives
- Pediatrics
- Environmental Science and Technology
- Journal of Exposure Science and Environmental Epidemiology
- Journal of Toxicology and Environmental Health
- International Journal of Clinical Nutrition
- Journal of Analytical Chemistry
- Journal of Agro-Medicine
- Indoor Air
- Journal of Occupational and Environmental Medicine
- Public Health Reports
- Neurotoxicology
- Chemosphere

CONSULTATIONS LAST FIVE YEARS

- Upcoming March 2015: University of Santiago, Chile. Pesticide exposure consultation, supported by Chilean government.
- Urban Adamah, Review - Environmental evaluation of urban land for farm project. Berkeley, CA 2014
- Children’s Hospital of Philadelphia. Chemical exposures to newborn children undergoing heart defect surgery. Philadelphia, PA. 2014
- California Cities and Counties. Reviewed childhood lead exposure issues for cities and counties in California involved in litigation with paint companies. Santa Clara County, CA. 2013
- Israel Environmental Health Foundation. Reviewed QA/QC parameters for proposed laboratory analyses of pesticide metabolites in urine. 2013
- West Berkeley Orchard Project. Reviewed elevated soil arsenic data and standards for proposed orchard on former railroad right of way. Berkeley, CA 2009.

PEER-REVIEWED PUBLICATIONS:

1. **Bradman, A., Harnly, M., Marty, M., Dawson, S., Goldman, L., Dibartolomeis, M.** Malathion and malaoxon

environmental levels used for exposure assessment and risk characterization of aerial applications to residential areas of southern California, 1989-1990. *J. of Exp. Analysis and Env. Epi*, 4(1):49-63, 1994.

2. Marty, M., Dawson, S., **Bradman, A.**, Harnly, M., Dibartolomeis, M., Jackson, R. Assessment of exposure to malathion and malaoxon due to aerial application over urban areas of southern California. *Journal of Exposure Analysis and Environ Epidemiology*, 4(1):65-81, 1994.
3. **Bradman, A.**, Harnly, M.E., Draper, W., Seidel, S., Teran, S., Wakeham, D., Neutra, R. Pesticide exposures to children from California's Central Valley: Results of a pilot study. *Journal of Exposure Analysis and Environ Epidemiology*, 7(2):217-34, 1997.
4. Eskenazi, B., **Bradman, A.**, Castorina, R. Exposures of children to organophosphate pesticides and their potential adverse health effects. *Environ Health Perspectives*, 107(S-3):409-19, 1999.
5. Eskenazi, B., **Bradman, A.** Longitudinal investigation of pesticides and allergen exposures to children living in agricultural communities in California. *Urban Health and Develop. Bulletin* (4)2:33-44, 2001.
6. **Bradman, A.**, Eskenazi, B., Sutton, P., Athanasoulis, M., Goldman, L. Iron deficiency associated with higher blood lead in children living in contaminated environments. *EHP*, 109:1079-84, 2001.
7. Castorina, R., **Bradman, A.**, McKone, T.E., Barr, D.B., Harnly, M.E., Eskenazi, B. Cumulative organophosphate pesticide exposure and risk assessment among pregnant women living in an agricultural community: A case study from the CHAMACOS cohort. *Environ Health Perspectives*, 111(13):1640-1648, 2003.
8. **Bradman, A.**, Barr, D.B., Claus-Henn, B.G., Drumheller, T., Curry, C., Eskenazi, B. Measurement of pesticides and other toxicants in amniotic fluid as a potential biomarker of prenatal exposure: A validation study. *Environ Health Perspectives*, 111(14):1779-82, 2003.
9. Eskenazi, B., **Bradman, A.**, Gladstone, E., Jaramillo, S., Birch, K., Holland, N. CHAMACOS, A longitudinal birth cohort study: Lessons from the fields. *Journal of Children's Health*, 1(1):3-27, 2003.
10. Eskenazi, B., Harley, K., **Bradman, A.**, Weltzien, E., Jewell, N., Barr, D.B., Furlong, C., Holland, N. Association of in utero organophosphate pesticide exposure and fetal growth and length of gestation in an agricultural population. *Environ Health Perspectives*, 112:1116-24, 2004.
11. Bravo, R., Caltabiano, L.M., Weerasekera, G., Whitehead, R.D., Fernandez, C., Needham, L.L., **Bradman, A.**, Barr, D.B. Measurement of dialkyl phosphate metabolites of organophosphorus pesticides in human urine using lyophilization with gas chromatography-tandem mass spectrometry and isotope dilution quantification. *Journal of Exposure Assessment and Environ Epidemiology*, 14(3):249-59, 2004.
12. Goldman, L., Eskenazi, B., **Bradman, A.**, Jewell, N. Risk behaviors of pesticide exposure among pregnant farmworkers in Salinas, California. *American Journal of Industrial Medicine*, 45:491-499, 2004.
13. Young, J.G., Eskenazi, B., Gladstone, E.A., **Bradman, A.**, Pedersen, L., Johnson, C., Barr, D.B., Furlong, C.E., Holland, N.T. Association between in utero organophosphate pesticide exposure and abnormal reflexes in neonates. *Neurotoxicology*, 26(2):199-209, 2005.
14. Needham, L., Whyatt, R.M., Barr, D.B., Wang, R., Akland, G., Naeher, L., Bahadori, T., **Bradman, A.**, Fortmann, R., Liu, L.S., Morandi, M., O'Rourke, M.K., Thomas, K., Quackenboss, J., Ryan, B., Zartarian, V., Özkaynak, H. Exposure assessment in the National Children's Study: introduction. *Environ Health Perspectives*, 113(8):1076-82, 2005.
15. **Bradman, A.**, Whyatt, R.M. Characterizing exposures to nonpersistent pesticides during pregnancy and early childhood in the National Children's Study: a review of monitoring and measurement methodologies. *Environ Health Perspectives*, 113(8):1092-9, 2005.
16. Harnly, M., McLaughlin, R., **Bradman, A.**, Anderson, M., Gunier, R., Correlating agricultural use of organophosphates with outdoor air concentrations: a particular concern for children. *Environ Health Perspectives*, 113(9):1184-9, 2005.
17. Fenske, R.A., **Bradman, A.**, Whyatt, R.M., Wolff, M. S., Barr, D. B., Lessons learned for the assessment of children's pesticide exposure: critical sampling and analytical issues for future studies. *Environ Health*

Perspectives, 113(10):1455-62, 2005.

18. **Bradman, A.**, Chevrier, J., Tager, I., Lipsett, M., Sedgwick, J., Macher, J., Vargas, A. B., Cabrera, E. B., Camacho, J. M., Weldon, R., Kogut, K., Jewell, N. P., Eskenazi, B. Association of housing disrepair indicators with cockroach and rodent infestations in a cohort of pregnant Latina women and their children. Environ Health Perspectives, 113:1795–1801, 2005.
19. **Bradman, A.**, Eskenazi, B., Barr, D.B., Bravo, R., Castorina, R., Chevrier, J., Kogut, K., Harnly, M.E., McKone, T.E. Organophosphate urinary metabolite levels during pregnancy and after delivery in women living in an agricultural community. Environ Health Perspectives, 113:1802–07, 2005.
20. Furlong, C.E., Holland, N., Richter, R.J., **Bradman, A.**, Ho, A., Eskenazi, B. PON1 status of farmworker mothers and children as a predictor of organophosphate sensitivity. Pharmacogenetics and Genomics, 16(3):183-190, 2006.
21. Fenster, L., Eskenazi, B., Anderson, M., **Bradman, A.**, Harley, K., Hernandez, H., Hubbard, A., Barr, D. B. Association of in utero organochlorine pesticide exposure and fetal growth and length of gestation in a agricultural population. Environ Health Perspectives, 114:597-602, 2006.
22. Eskenazi, B., Marks, A.R., **Bradman, A.**, Fenster, L., Johnson, C., Barr, D.B., Rodriguez, M.E., Jewell, N.P. In-utero exposure to DDT and DDE and neurodevelopment in Mexican American young children: The CHAMACOS study. Pediatrics, 118(1):233-41, 2006
23. Holland, N., Furlong, C., Bastaki, M., Richter, R., **Bradman, A.**, Huen, K., Beckman, K., Eskenazi, B. Paraoxonase polymorphisms, haplotypes and enzyme activity in Latino mothers and newborns. Environ Health Perspectives, 114(7):985-91, 2006
24. Eskenazi, B., **Bradman, A.**, Harley, K., Holland, N. Indicadores Biologicos de Exposicion a Pesticidas y su Relacion con la Salud de los Ninos. Acta Toxicologica Argentina, 14(Supplement):63-65, 2006.
25. **Bradman, A.**, Whitaker, D., Quirós L, Castorina R, Henn, B.C., Nishioka, M., Morgan, J., Barr, D.B., Harnly, M., Brisbin, J.A., Sheldon, L.S., McKone, T.E., Eskenazi, B. Pesticides and their metabolites in the homes and urine of farmworker children living in the Salinas Valley, CA. Journal of Exposure Science and Environ Epidemiology, 17(4):331-49, 2007.
26. **Bradman A.**, Schwartz J, Fenster L, Barr D, Holland N, Eskenazi B. Factors predicting organochlorine pesticide levels in pregnant women living in the Salinas Valley, California. Journal of Exposure Science and Environ Epidemiology, 17(4):388-99, 2007.
27. Duramad P, Harley K, Lipsett M, **Bradman A.**, Eskenazi B, Holland NT, Tager IB. Early environmental exposures and intracellular Th1/Th2 cytokine profiles in 24-month-old children living in an agricultural area. Environ Health Perspect, 114(12):1916-22, 2006.
28. Warner ML, Harley K, **Bradman A.**, Vargas G, Eskenazi B. Soda consumption and overweight status of 2-year-old Mexican-American children in California. Obesity (Silver Spring), 14(11):1966-1974, 2006.
29. Eskenazi B, Marks AR, **Bradman A.**, et al. Organophosphate pesticide exposure and neurodevelopment in young Mexican-American children. Environ Health Perspect, 115(5):792-798, 2007.
30. Fenster L, Eskenazi B, Anderson M, **Bradman A.**, Hubbard A, and Barr DB. In utero exposure to DDT and performance on the Brazelton Neonatal Behavioral Assessment Scale. NeuroToxicology, 28(3):471-7, 2007.
31. **Bradman, A.**, Fenster, L., Sjödin A, Jones R.S., Patterson, Jr., D.G., Eskenazi, B. Polybrominated diphenyl ethers (PBDE) levels in the blood of pregnant women living in an agricultural community in California. Environ Health Perspect, 115:71–74, 2007.
32. McKone TE, Castorina R, Harnly ME, Kuwabara Y, Eskenazi B, **Bradman A.** Merging models and biomonitoring data to characterize sources and pathways of human exposure to organophosphorus pesticides in the Salinas Valley of California. Environ Sci Technol, 41(9):3233-3240, 2007.
33. Montesano, MA, Olsson, AO, Kuklennyik, P, Needham, LL, **Bradman A** and Barr DB. Method for determination of acephate, methamidophos, omethoate, dimethoate, ethylenethiourea and propylenethiourea in human urine using high-performance liquid chromatography-atmospheric pressure chemical ionization

- tandem mass spectrometry. *Journal of Exposure Science and Environmental Epidemiology* (2007) 17, 321-330.
34. Chevrier J, Eskenazi B, **Bradman A**, Fenster L, Barr DB. Associations between prenatal exposure to polychlorinated biphenyls and neonatal thyroid-stimulating hormone levels in a Mexican-American population, Salinas Valley, CA. *Environ Health Perspect*, 115(10):1490-96, 2007.
 35. Eskenazi B, Rosas LG, Marks AR, **Bradman A**, Harley K, Holland N, Johnson C, Fenster L, Barr DB. Pesticide toxicity and the developing brain. *Basic and Clinical Pharmacology and Toxicology*, 2008 Feb;102(2):228-36.36.
 36. **Bradman, A**, Castorina, R, Boeninger, M, Salvatore, A, Kavanagh, G, Eskenazi, B. Community-Based Intervention to Reduce Pesticide Exposures to Farmworkers and Potential Take-Home Exposures to their Families. *Journal of Exposure Assessment and Environmental Epidemiology*, Epub ahead of print, J. Exposure Science and Env Epi, doi:10.1038/jes.2008.18. 2008.
 37. Chevrier J, Eskenazi B, Holland N, **Bradman A**, Barr DB. Effects of exposure to polychlorinated biphenyls and organochlorine pesticides on thyroid function during pregnancy. *Am J Epidemiol*. 2008 1;168(3):298-310.
 38. Salvatore AL, **Bradman A**, Camacho J, Lopez J, Snyder J, Jewell J, Eskenazi B, Occupational Behaviors and Farmworkers' Pesticide Exposure: Findings from a Study in Monterey County, California. *Am J Ind Med*. 2008 Oct;51(10):782-94.
 39. Harley KG, Marks AR, **Bradman A**, Barr DB, Eskenazi B. DDT exposure, work in agriculture, and time to pregnancy among farmworkers in California. *Journal of Occupational & Environmental Medicine*. 50(12): 1335-1342, Dec 2008.
 40. Harley KG, Macher JM, Lipsett M, Duramad P, Holland NT, Prager SS, Ferber J, **Bradman A**, Eskenazi B, Tager IB. Fungi and pollen exposure in the first months of life and risk of early childhood wheezing. *Thorax*, 2009. Apr;64(4):353-8. Epub 2009 Feb 24.
 41. Huen K, Harley K, Brooks J, Hubbard A, **Bradman A**, Eskenazi B, Holland N. Developmental Changes in PON1 Enzyme Activity in Young Children and Effects of PON1 Polymorphisms. *Environ Health Perspect*. 2009 Oct;117(10):1632-8
 42. Beamer PI, Canales RA, **Bradman A**, Leckie JO. Farmworker children's residential non-dietary exposure estimates from micro-level activity time series. *Environ Int*. 2009 Nov;35(8):1202-9. Epub 2009 Sep 9.
 43. Weerasekera G, Smith KD, Quirós-Alcalá L, Fernandez C, **Bradman A**, Eskenazi B, Needham L, Barr DB. A mass spectrometry-based method to measure dialkylphosphate degradation products of organophosphorous insecticides in dust and orange juice. *J. Environ. Monit.*, 2009, 11, 1345 – 1351
 44. Salvatore AL, Chevrier JC, **Bradman A**, Camacho J, López J, Kavanagh-Baird G, Minkler M, Eskenazi B. A Community-Based Participatory Worksite Intervention to Reduce Pesticide Exposures to Farmworkers and their Families. *American Journal of Public Health*. *Am J Public Health*. 2009 Nov;99 Suppl 3:S578-81.
 45. Harnly M, **Bradman A**, Nishioka M, McKone T, McLaughlin R, Kavanagh-Baird G, Castorina R, Eskenazi B. Pesticides in Dust from Homes in an Agricultural Area. *Journal of Environmental Science and Technology*. *Environ Sci Technol*. 2009 Dec 1;43(23):8767-74.
 46. Castorina R, **Bradman A**, Fenster L, Barr DB, Bravo R, Vedar MG, Harnly ME, McKone TE, Eisen EA, Eskenazi B. Comparison of Current-Use Pesticide Urinary Metabolite Levels during Pregnancy in the CHAMACOS cohort and NHANES. *Environ Health Perspect*. 2010 Jun;118(6):856-63. Epub 2010 Feb 3.
 47. Eskenazi B, Huen K, Marks A, Harley KG, **Bradman A**, Barr DB, Holland N. PON1 and neurodevelopment in children from the CHAMACOS study exposed to organophosphate pesticides in utero. *Environ Health Perspect*. 2010 Dec;118(12):1775-81.
 48. Huen K, Harley K, **Bradman A**, Eskenazi B, Holland N. Longitudinal changes in PON1 enzymatic activities in Mexican-American mothers and children with different genotypes and haplotypes. *Toxicol Appl Pharmacol*. 2010 Apr 15;244(2):181-9.

49. Marks, AR; Harley, K; **Bradman** , A; Kogut, K; Barr, DB; Johnson, C; Calderon, N; Eskenazi, B. Organophosphate Pesticide Exposure and Attention in Young Mexican-American Children. *Environ Health Perspect.* 2010 Dec;118(12):1768-74.
50. Eskenazi, B; Huen, K; Marks, A; Harley, KG; **Bradman** , A; Barr, DB; Holland N. PON1 and Neurodevelopment in Children from the CHAMACOS Study Exposed to Organophosphate Pesticides in Utero. *Environ Health Perspect.* 2010 Dec;118(12):1775-81.
51. Chevrier, J; Harley, KG; **Bradman** , A; Gharbi, M; Sjödin, A; Eskenazi, B. Polybrominated Diphenylether (PBDE) Flame Retardants and Thyroid Hormone during Pregnancy. *Environ Health Perspect.* 2010 Oct;118(10):1444-9. Epub 2010 Jun 11.
52. **Bradman** , A; Dobson, C; Leonard, V; Messenger, B. Pest management and pesticide use in California child care centers. Center for Children's Environmental Health Research, School of Public Health, University of California, Berkeley, CA. 2010.
53. Sandel M, Baeder A, **Bradman** A, Hughes J, Mitchell C, Shaughnessy R, Takaro TK, Jacobs DE. Housing interventions and control of health-related chemical agents: a review of the evidence. *J Public Health Manag Pract.* 16(5 Suppl):S24-33. 2010. Review.
54. Weldon RH, Webster M, Harley KG, **Bradman** A, Fenster L, Davis MD, Hubbard A, Barr DB, Holland N, Eskenazi B. Serum Persistent Organic Pollutants and Duration of Lactation among Mexican-American Women. *J Environ. Public Health.* 2010;2010:861757.
55. Harley KG, Marks AR, Chevrier J, **Bradman** A, Sjödin A, Eskenazi B. PBDE concentrations in women's serum and fecundability. *Environ Health Perspect.* 2010 May;118(5):699-704. Epub 2010 Jan 13.
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INORMATION ON HUNDREDS OF PRESENTATIONS AVAILABLE BY REQUEST