

Judy S. LaKind, Ph.D.

106 Oakdale Avenue Catonsville, Maryland 21228

Tel: 410.788.8639 E-mail: lakindassoc@gmail.com

lakindassociates.com

Judy S. LaKind, Ph.D., President of LaKind Associates, LLC, and Adjunct Associate Professor, Department of Epidemiology and Public Health, University of Maryland School of Medicine is a health and environmental scientist with expertise in exposure science, assessment of human health risks, biomonitoring, scientific and technical analysis for regulatory support, and state-of-the-science reviews. Dr. LaKind has spoken and published extensively on exposure- and risk-related issues, including children's exposures to environmental chemicals, the implications of uncertainty in the risk assessment process, weighing potential risks and benefits related to chemical use (for example, use of MTBE in gasoline, glycols in de-icing formulations, and chlorination of drinking water for zebra mussel control), the presence of environmental chemicals in human milk, and time-dependence and distributional analysis of exposure. Dr. LaKind has evaluated the use of human health risk assessment in the development of water quality criteria, and has critically analyzed the environmental fate, behavior, and bioavailability of pollutants in the context of setting regulatory criteria. She has developed risk assessments for a variety of urban industrial sites, military bases, and firing ranges, and has utilized state-of-the-science models for estimating blood lead levels in adults and children.

Previously, Dr. LaKind was a geologist at the US EPA's Office of Federal Activities, where she was responsible for the evaluation of Environmental Impact Statements and legislative reports. Dr. LaKind has taught graduate level courses at The Johns Hopkins University and the University of Maryland in risk assessment and aquatic chemistry. She serves on the editorial boards of the *Journal of Toxicology and Environmental Health* and *Environment International* and is past Associate Editor for the *Journal of Exposure Science and Environmental Epidemiology*.

Dr. LaKind is President of the International Society of Exposure Science. She is a member of the World Health Organization Survey Coordinating Committee for the WHO Global Survey of Human Milk for Persistent Organic Pollutants (POPs) and the Maryland Department of Health and Mental Hygiene (DHMH) Cancer Cluster Advisory Committee. She previously served on the Board of the National Swimming Pool Foundation. She is a former member of Maryland's Children's Environmental Health and Protection Advisory Council, the Lead Poisoning Prevention Commission and the Maryland Pesticide Reporting and Information Workgroup. Dr. LaKind also served on the Institute of Medicine Committee on Blue Water Navy Vietnam Veterans and Agent Orange Exposure and the US Environmental Protection Agency Science Advisory Board Panel on Perchlorate - Approaches for Deriving Maximum Contaminant Level Goals for Drinking Water.

Academic Appointments:

Fellow-by-Courtesy, The Johns Hopkins University, Department of Applied Mathematics and Statistics. February 2013 – present.

Associate Professor, University of Maryland School of Medicine, Department of Epidemiology & Public Health, September 2008 – August 2009; November, 2009-February 2012.

Part Time Instructor, College of Engineering & Information Technology at University of Maryland Baltimore County, January 2010 – June 2010.

Adjunct Associate Professor, University of Maryland School of Medicine, Department of Epidemiology and Preventive Medicine, August 2003 – August 2008; August 2009 – October 2009. February 2012 – present.

Adjunct Associate Professor, University of Maryland School of Law, May 2003 – May 2004.

Adjunct Associate Professor, Penn State College of Medicine, Department of Pediatrics, Milton S. Hershey Medical Center, 2002 - 2016

Education:

Ph.D.; The Johns Hopkins University; Geography and Environmental Engineering; 1988

M.S.; The University of Wisconsin, Madison; Geology; 1984

B.A.; The Johns Hopkins University; Earth and Planetary Sciences; 1982

Litigation Support Training, 1994

Project Manager Training, 1995

Mid-America Toxicology Course, 1995

Risk Communication, 1995

Hershey Medical College Investigator Certification for Protecting Human Subjects, 2004

CITI Course in the Protection of Human Research Subjects, 2014

Experience:

Human Health Risk Assessment/Product Stewardship – Developed distributional exposure analyses for body burdens of persistent organic chemicals in breastfed infants. Conducted site-specific, health-based risk assessments for urban industrial sites, military bases, and firing ranges, with emphasis on PAHs, heavy metals (including lead), and volatile organic compounds. Developed exposure scenarios, with appropriate assumptions and parameters, for on-site and off-site exposure pathways, including recreational scenarios. These assessments included determination of receptors-of-concern and the development of site-specific conceptual site models as per U.S. EPA criteria. Prepared risk assessments under Maryland's Voluntary Cleanup Program. Utilized state-of-the-science models for predicting blood lead levels in adults and children. Evaluated and utilized model developed by the American Water Works Association to predict disinfection by-product formation as a result of chlorination of drinking water for zebra mussel control. Managed the development of technical papers which utilized innovative methodologies to correlate reductions of atmospheric concentrations of lead, carbon monoxide, ozone, and air toxics with improvements in human health. Performed literature research, prepared manuscripts and comments to the USEPA, and provided litigation and regulatory support in evaluation of

toxicity and environmental impacts of ethylene glycol (EG), propylene glycol (PG), and EG and PG de-icing and anti-icing formulations.

Scientific workshop/expert panel development: Developed, coordinated and facilitated numerous expert panels and workshops on a wide range of topics including environmental chemicals in breast milk, interpretation and communication of biomonitoring data, neurodevelopmental function testing, exposure to disinfection byproducts in swimming pool environments and associated health effects, biomonitoring of chemicals with short physiologic half-lives, and disease cluster methodologies.

Criteria Development - Determined scientific shortcomings associated with the use of bioconcentration factors for regulating hydrophobic organic chemicals (HOCs), including dioxin. Developed an alternative risk assessment formula for HOC criteria determination.

Litigation Support - Provided litigation support for pulp and paper industry counsel on issues associated with aquatic organism accumulation of dioxin. Provided seminars to pulp and paper industry counsel on dioxin bioaccumulation. Provided litigation support for chemical industry on relative toxicity and environmental fate of a group of widely used compounds. Completed Litigation Support training course.

Regulatory Review - As an invited member of the Washington State Department of Health/Department of Ecology Sediment Scientific Review Board, provided scientific evaluation of proposed method for development of marine sediment chemical criteria relative to human health. Provided regulatory review, update, and analysis of: Clean Water Act 304(l) listing and approval/disapproval process; EPA pulp and paper mill guidance documents; and states' development of dioxin water quality criteria, for the pulp and paper industry. Critiqued bioaccumulation section of EPA's Great Lakes Water Quality Initiative. Analyzed scientific basis for proposed particulate matter standard.

Lead - Former member of the Maryland Lead Poisoning Prevention Commission. Managed and conducted risk assessments for sites with lead contamination. Evaluated potential for human health risks associated with lead exposure to soil, water, and air, at firing ranges, and at residential, urban and industrial sites. Utilized state-of-the-science models for predicting blood lead levels in both adults and children, and has explored the utility of these models for assessing blood lead levels in people exposed to lead-contaminated media on an episodic basis. Made presentations to the public and media on risks associated with exposure to lead, and created risk communication documentation on childhood lead poisoning prevention, used by the Kennedy-Krieger Institute's Lead Poisoning Prevention Program and the Baltimore City Department of Health. Technical editor of HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.

Document Review and Analysis - Conducted Record of Decision search and analysis for development of remediation strategy for mitigation of subsurface migration of DNAPL. Performed scientific review, analysis, and critique of a wide range of documents including: Environmental Impact statements associated with Federal Energy Regulatory Commission hydroelectric power projects, natural gas pipeline siting, dredging projects; legislative reports on

the Arctic National Wildlife Refuge and offshore oil exploration near the Georges Bank; risk assessments on formaldehyde air emissions from a particleboard plant and aquatic organism contamination in the Sacramento River; Endangerment Assessment and RI/FS of sawmill and landfill Superfund site.

Risk Communication - Gave presentations to public and media on risks associated with exposure to lead. Created risk communication information on childhood lead poisoning prevention, including *Derek the Dinosaur's Coloring Book About Lead*, used by the Kennedy-Krieger Institute's Lead Poisoning Prevention Program and the Baltimore City Department of Health. Coloring book is also used by Lead Safe St. Louis where it has been translated into Spanish, Bosnian, Somali, Dari, and Vietnamese. Assisted in the development of a decision support document and white paper outlining the health risks and benefits associated with continued use of MTBE in the U.S. Assisted in the development of a Risk Primer for a major trade association.

Teaching - University of Maryland School of Law: Environmental Law and Science. The Johns Hopkins University: graduate-level courses on aquatic chemistry and environmental risk assessment. University of Maryland Baltimore County: upper level course on human health risk assessment. Mentored two Johns Hopkins University Department of Geography and Environmental Engineering Masters students.

Professional Affiliations:

American Public Health Association (APHA) (1999-2015)
Maryland Public Health Association (Board member, 2008-2009)
American Chemical Society, Environmental Division (ACS)
Int. Society for Children's Health and the Environment (ISCHE), Founding member (2009-2015)
International Society of Exposure Science (ISES)
Society for Risk Analysis (SRA)
Society of Toxicology (SOT)

Selected Publications:

Berry CL, Boffetta P, Burns CJ, LaKind JS, Mundt KA, Ness RB, Philbert MA, Swaen GMH, Suarez FA, Bentley KS, Pastoor TP. A call for 21st century environmental epidemiology to meet 21st century needs. *Submitted*.

LaKind JS, Overpeck J, Breysse PN, Backer L, Richardson S, Sobus J, Sapkota A, Upperman CR, Jiang C, Beard CB, Brunkard JM, Bell J, Harris R, Chretien J-P, Peltier RE, Chew GL, Blount B. 2016. Exposure science in an age of rapidly changing climate: Challenges and opportunities. *Journal of Exposure Science and Environmental Epidemiology* 26: 529-538.

Beck NB, Becker RA, Erraguntla N, Farland WH, Grant RL, Gray G, Kirman C, LaKind JS, Lewis RJ, Nance P, Pottenger LH, Santos SL, Shirley S, Simon T, Dourson ML. 2016. Approaches for describing and communicating overall uncertainty in toxicity characterizations: U.S.

Environmental Protection Agency's Integrated Risk Information System (IRIS) as a case study. *Environment International* 89–90:110–128.

Weldon RH, LaKind JS. 2015. Biomonitoring of dioxins and furans: Levels and trends in humans. In: *The Handbook of Environmental Chemistry*. ISSN 1867-979X. Springer:Berlin Heidelberg. 23 pp. doi: 10.1007/698_2015_433. http://link.springer.com/chapter/10.1007/698_2015_433

LaKind JS, Goodman M, Makris SL, Mattison DR. 2015. Environmental epidemiology harmonization to improve public health decision-making: A three-part proposal. *Journal of Toxicology & Environmental Health, Part B*. 18(2):105-120.

LaKind JS, Naiman, DQ. 2015. Temporal trends in bisphenol A exposure in the United States from 2003–2012 and factors associated with BPA exposure: Spot samples and urine dilution complicate data interpretation. *Environmental Research* 142:84–95.

LaKind JS, Goodman M, Barr DB, Weisel CP, Schoeters G. 2015. Lessons learned from the application of BEES-C: Systematic assessment of study quality of epidemiologic research on BPA, neurodevelopment, and respiratory health. *Environment International* 80:41-71.

LaKind JS, Sobus JR, Goodman M, Barr DB, Fürst P, Albertini RJ, Arbuckle TE, Schoeters G, Tan Y-M, Teeguarden J, Tornero-Velez R, Weisel CP. 2014. A proposal for assessing study quality: Biomonitoring, Environmental Epidemiology, and Short-Lived Chemicals (BEES-C) Instrument. *Environment International* 73C:195-207.

Mattison DR, Karyakina N, Goodman M, LaKind JS. 2014. Pharmacokinetics of selected exogenous and endogenous estrogens: A review of the data and identification of knowledge gaps. *Critical Reviews in Toxicology* 44(8):696-724.

Lehmann GM, Verner MA, Luukinen B, Henning C, Assimon SA, LaKind JS, McLanahan ED, Phillips LJ, Davis MH, Powers CM, Hines EP, Haddad S, Longnecker MP, Poulsen MT, Farrer DG, Marchitti SA, Tan YM, Swartout JC, Sagiv SK, Welsh C, Campbell JL Jr, Foster WG, Yang RS, Fenton SE, Tornero-Velez R, Francis BM, Barnett JB, El-Masri HA, Simmons JE. 2014. Improving the risk assessment of lipophilic persistent environmental chemicals in breast milk. *Critical Reviews in Toxicology* 44(7):600-17.

LaKind JS, Goodman M, Mattison DR. 2014. Bisphenol A and indicators of obesity, glucose metabolism/type 2 diabetes and cardiovascular disease: A systematic review of epidemiologic research. *Critical Reviews in Toxicology* 44(2):121–150.

Goodman M, LaKind JS, Mattison DR. 2014. Do phthalates act as obesogens in humans? A systematic review of the epidemiology literature. *Critical Reviews in Toxicology* 44(2):151–175. Marchitti SA, Hines EP, LaKind JS, Berlin CM Jr., Fenton SE, Kenneke JF. 2013. Environmental Chemicals in Breast Milk. Reference Module in Earth Systems and Environmental Sciences. Elsevier. <http://dx.doi.org/10.1016/B978-0-12-409548-9.02139-4>

Goodman M, LaKind JS, Fagliano JA, Lash TL, Wiemels JL, Winn DM, Patel C, VanEenwyk J, Judy S. LaKind, Ph.D.

Kohler BA, Schisterman EF, Albert P, Mattison DR. 2014. Cancer cluster investigations: Review of the past and proposals for the future. *International Journal of Environmental Research and Public Health* 11:1479-1499; doi:10.3390/ijerph110201479.

Marchitti SA, LaKind JS, Naiman DQ, Berlin CM, Kenneke JF. 2013. Improving infant exposure and health risk estimates: Using serum data to predict polybrominated diphenyl ether concentrations in breast milk. *Environmental Science & Technology* 47:4787–4795.

LaKind JS, Goodman M, Naiman DQ. 2012. Use of NHANES data to link chemical exposures to chronic diseases: a cautionary tale. *PLoS ONE* 7(12):e51086. doi:10.1371/journal.pone.0051086

LaKind J. 2013. Can coatings for foods and beverages: Issues and options. *International Journal of Technology, Policy and Management*. 13(1):80-95.

Dórea JG, Fenton SE, LaKind JS, Berlin CM Jr. 2012. Researching chemicals in human milk can be conducted without discouraging breastfeeding. *Bosnian Journal of Basic Medical Sciences* 12(2):137-138.

Goodman M, Naiman JS, Goodman D, LaKind JS. 2013. Response to Condon et al. comments on “Cancer clusters in the USA: What do the last twenty years of state and federal investigations tell us?” *Critical Reviews in Toxicology* 43(1)75-76.

Goodman M, Naiman JS, Goodman D, LaKind JS. Cancer clusters in the US – What do the last twenty years of state and federal investigations tell us? 2012. *Critical Reviews in Toxicology* 42(6):474-490.

LaKind JS, Levesque J, Dumas P, Bryan S, Clarke J, Naiman DQ. 2012. Comparing United States and Canadian population exposures from national biomonitoring surveys: Bisphenol A intake as a case study. *Journal of Exposure Science and Environmental Epidemiology* 22:219-226.

Youngstrom E, Kenworthy L, Lipkin PH, Goodman M, Squibb K, Mattison DR, Anthony LG, Makris SL, Bale A, Raffaele KC, LaKind JS. 2011. A proposal to facilitate weight-of-evidence assessments: Harmonization of neurodevelopmental environmental epidemiology studies (HONEES). *Neurotoxicology and Teratology*. 33:354–359.

LaKind JS, Berlin CM Jr., Fenton SE. 2011. Environmental Chemicals in Breast Milk. In: Nriagu, J.O. (ed.) *Encyclopedia of Environmental Health*, volume 2, pp. 347–356 Burlington: Elsevier.

Blount BC, Backer LC, Aylward LL, Hays SM, LaKind JS. 2011. Human Exposure Assessment for DBPs: Factors Influencing Blood Trihalomethane Levels. In: Nriagu, J.O. (ed.) *Encyclopedia of Environmental Health*, volume 3, pp. 100–107 Burlington: Elsevier.

LaKind JS, Naiman DQ. 2011. Daily intake of bisphenol A (BPA) and potential sources of exposure – 2005-2006 NHANES. *Journal of Exposure Science and Environmental Epidemiology* 21:272-279.

Blount BC, McElprang DO, Chambers DM, Waterhouse MG, Squibb KS, LaKind JS. 2010. Methodology for collecting, storing, and analyzing human milk for volatile organic compounds. *Journal of Environmental Monitoring* 12:1265-1273.

Goodman M, Youngstrom E, Gutermuth Anthony L, Kenworthy L, Lipkin PH, Squibb K, Mattison DR, LaKind JS. 2010. Using systematic reviews and meta-analyses to support regulatory decision-making for neurotoxicants: Lessons learned from a case study of PCBs. *Environmental Health Perspectives* 118:727-734. doi:10.1289/ehp.0901835.

LaKind JS, Richardson SD, Blount BC. The good, the bad, and the volatile – Can we have both healthy pools and healthy people? 2010. *Environmental Science & Technology* 44:3205–3210.

Youngstrom E, LaKind JS, Kenworthy L, Lipkin PH, Goodman M, Squibb K, Mattison DR, Anthony BJ, Gutermuth Anthony L. 2010. Advancing the selection of neurodevelopmental measures in epidemiological studies of environmental chemical exposure and health effects. *International Journal of Environmental Research and Public Health* 7:229-268.

LaKind JS, Birnbaum LS. 2010. Out of the frying pan AND out of the fire: the indispensable role of exposure science in assessing replacement chemicals. *Journal of Exposure Science and Environmental Epidemiology* 20:115–116.

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LaKind JS, Berlin CM Jr., Sjödin A, Turner W, Wang RY, Needham LL, Paul IM, Stokes JL, Naiman DQ, Patterson DG Jr. 2009. Do human milk concentrations of persistent organic chemicals really decline during lactation? Chemical concentrations during lactation and milk/serum partitioning. *Environmental Health Perspectives* 117(10):1625–1631.

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LaKind JS, Fenton SE, Dórea JG. 2009. Human milk biomonitoring of phthalates: Expanding our understanding of infant exposure is compatible with supporting breastfeeding. Letter to the editor. *Environment International* 35:994-995.

LaKind JS, Hays SM, Aylward LL, Naiman DQ. 2009. Perspective on serum dioxin levels in the United States: An evaluation of the NHANES data. *Journal of Exposure Science and Environmental Epidemiology* 19:435-441.

Weisel CP, Richardson SD, Nemery B, Aggazzotti G, Baraldi E, Blatchley ER III, Blount BC, Carlsen K-H, Eggleston PA, Frimmel FH, Goodman M, Gordon G, Grinshpun S, Heederik DJJ, Kogevinas M, LaKind JS, Nieuwenhuijsen MJ, Piper FC, Sattar SA. 2009. Conclusions and key research recommendations from the Workshop on Advancing the Science: Childhood Asthma and Environmental Exposures at Swimming Pools. *Environmental Health Perspectives* 117:500–507.

doi:10.1289/ehp.11513. Science Selections: Widening the Pool of Factors Studies Needed to Assess Asthma–Swimming Link p. A162.

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<http://www.nytimes.com/2008/12/20/health/research/20breast.html?scp=6&sq=lakind&st=cse>

LaKind JS, Naiman DQ. 2008. Bisphenol A (BPA) Daily intakes in the United States: Estimates from the 2003-2004 NHANES urinary BPA data. *Journal of Exposure Science and Environmental Epidemiology* 18:608–615. Featured Article.

Aylward LL, LaKind JS, Hays SM. 2008. Derivation of biomonitoring equivalent (BE) values for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and related compounds: a screening tool for interpretation of biomonitoring data in a risk assessment context. *Journal of Toxicology and Environmental Health A* 71(22):1499-1508.

Aylward LL, LaKind JS, Hays SM. 2008. Biomonitoring Equivalents (BEs) for interpretation of whole blood biomonitoring data for trihalomethanes. *Regulatory Toxicology and Pharmacology* 51(3, Suppl 1):S68-S77.

Hays SM, Aylward LL, LaKind JS, Bartels MJ, Barton HA, Boogaard PJ, Brunk C, DiZio S, Dourson M, Goldstein DA, Lipscomb J, Kilpatrick ME, Krewski D, Krishnan K, Nordberg M, Okino M, Tan Y-M, Viau C, Yager JW. 2008. Guidelines for the Derivation of Biomonitoring Equivalents: Report from the Biomonitoring Equivalents Expert Workshop. *Regulatory Toxicology and Pharmacology* 51(3, Suppl 1):S4-S15.

LaKind JS, Aylward LL, Brunk C, DiZio S, Dourson M, Goldstein DA, Kilpatrick ME, Krewski D, Bartels M, Barton HA, Boogaard PJ, Lipscomb J, Krishnan K, Nordberg M, Okino M, Tan Y-M, Viau C, Yager JW, Hays SM. 2008. Guidelines for the Communication of Biomonitoring Equivalents: Report from the Biomonitoring Equivalents Expert Workshop. *Regulatory Toxicology and Pharmacology* 51(3, Suppl 1):S16-S26.

Hays SM, Aylward LL, LaKind JS. 2008. Introduction to the Biomonitoring Equivalents Pilot Project: Development of guidelines for the derivation and communication of Biomonitoring Equivalents. *Regulatory Toxicology and Pharmacology* 51(3, Suppl 1):S1-S2.

LaKind JS, Berlin CM Jr., Stokes JL, Naiman DQ, Paul IM, Patterson DG Jr., Jones RS, Niehüser S., Park A, Wang RY, Needham LL, Lorber MN, Sjödin A. 2008. Lifestyle and polybrominated diphenyl ethers (PBDEs) in human milk in the United States: A pilot study. *Toxicological & Environmental Chemistry* 70(9):61-63.

LaKind JS, BarraJ L, Tran N, Aylward LL. 2008. Guest Commentary: Environmental chemicals in people: Challenges in interpreting biomonitoring information. *Journal of Environmental Health* 70(9):61-64.

LaKind JS, Holgate ST, Ownby DR, Mansur AH, Helms PJ, Pyatt D, Hays SM. 2008. Authors' response to 'Critical review of Clara cell protein: sound science?' *Biomarkers* 13(3):244-245.

LaKind JS, Holgate ST, Ownby DR, Mansur AH, Helms PJ, Pyatt D, Hays SM. 2007. A critical review of the use of Clara Cell secretory protein CC16 as a biomarker of exposure and effect. *Biomarkers* 12:445-467.

LaKind JS, Wilkins AA, Bates MN. 2007. Breast biomonitoring and environmental chemicals: Use of breast tissues and fluids in breast cancer etiologic research. *Journal of Exposure Science and Environmental Epidemiology* 17:525-540.

LaKind JS. 2007. Recent global trends and physiologic origins of dioxins and furans in human milk. *Journal of Exposure Science and Environmental Epidemiology* 17:510-524. Featured Article.

Needham LL, Naiman DQ, Patterson DG, Jr., LaKind JS. 2007. Assigning concentration values for dioxin and furan congeners in human serum when measurements are below limits of detection: an observational approach. *Chemosphere* 67:439-447.

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Bates MN, Hamilton JW, LaKind JS, Langenberg P, O'Malley M, Snodgrass W. 2005. Biomonitoring Workshop Report: Biomonitoring study design, interpretation, and communication - Lessons learned and path forward. *Environmental Health Perspectives* 113:1615-1621.

LaKind JS, Brent RL, Dourson ML, Kacew S, Koren G, Sonawane B, Tarzian AJ, Uhl K. 2005. Human milk biomonitoring data: interpretation and risk assessment issues. *Journal of Toxicology and Environmental Health* 68(20):1713-1770.

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LaKind JS, Graves CG, Ginevan ME, Jenkins RA, Naiman DQ, Tardiff RG. 1999. Exposure to environmental tobacco smoke in the workplace and the impact of away-from-work exposure. *Risk Analysis: An International Journal* 19(3):349-358.

LaKind JS. 1998. Comparison of three models for predicting blood lead levels in children: Episodic exposures to lead. *Journal of Exposure Analysis and Environmental Epidemiology* 8(3):399-406.

LaKind JS. 1998. Forward to Special Issue on Environmental Risk Assessment: Issues and Methods. *International Journal of Environment and Pollution* 9(1):1-2.

Bartell SM, LaKind JS, Moore JA, Anderson P. 1998. Bioaccumulation of hydrophobic organic chemicals by aquatic organisms: A workshop summary. *International Journal of Environment and Pollution* 9(1):3-25.

LaKind JS. 1994. Sediment dioxin levels as the basis for risk assessment and human health criteria. *International Journal of Environment and Pollution* 3(4):226-232.

LaKind JS, Naiman DQ. 1993. Comparison of predicted and observed dioxin levels in fish: Implications for risk assessment. *Risk: Issues in Health & Safety* 4(3):253-262.

Rifkin E, LaKind JS. 1991. Dioxin bioaccumulation: Key to a sound risk assessment methodology. *Journal of Toxicology and Environmental Health* 33:103-112.

LaKind J. 1991. Bioconcentration – letter to the editor. *Environmental Science & Technology* 25(1):6.

LaKind JS, Rifkin E. 1990. Current method for setting dioxin limits in water requires reexamination. *Environmental Science & Technology*. 24:963-965.

LaKind JS, Stone AT. 1989. Reductive Dissolution of Goethite by Phenolic Reductants. *Geochimica Cosmochimica Acta*. 53:961-971

LaKind JS, Stone AT. 1988. Reductive Dissolution of Goethite by Substituted Phenols. *EOS* 69(16):369.

LaKind JS, Stone AT. 1986. Reductive Dissolution of Goethite and Hematite by Substituted Phenols. *EOS* 67(44):948.

Gieskes JM, Elderfield H, Lawrence JR, LaKind J. 1984. Interstitial Water Studies, Leg 78a, *Initial Reports of the Deep Sea Drilling Project*. LXXVIII:377-384.

Gieskes JM, Sirocky FX., LaKind JS. 1984. Interstitial Water Studies, Leg 73, *Initial Reports of the Deep Sea Drilling Project*. LXXIII:539-541.

Gieskes JM, Sirocky FX, LaKind JS. 1983. Interstitial Water Studies, Leg 72, *Initial Reports of the Deep Sea Drilling Project*. LXXII:391-394.

Selected Presentations:

Invited speaker. 2016. Quality matters in environmental epidemiology: The exposure data we collect versus the data we need. Grand Rounds, University of Maryland School of Medicine. 17 November. Baltimore, MD.

Invited speaker. 2016. Can coating complexities. Workshop - Identifying and Evaluating Alternative Materials: The Case of BPA-Free Can Linings. 4 November. UC Berkeley. Berkeley, CA.

Invited speaker. 2016. Biomonitoring and environmental epidemiology: Implications for personal care products. Personal Care Products Council Safety Workshop. 26 October. Alexandria, VA.

LaKind JS. 2016. Assessing Biomonitoring Data Quality: The Biomonitoring, Environmental Epidemiology, and Short-Lived Chemicals (BEES-C) Instrument. International Society of Exposure Science Annual Meeting. 12 October. Utrecht, The Netherlands.

LaKind JS. 2016. Harmonization, transparency, and access: Why we need these in environmental epidemiology [exposure science]. International Society of Exposure Science Annual Meeting. 10 October. Utrecht, The Netherlands.

Invited speaker. 2016. Cleaning, environmental exposures and respiratory health effects: Issues, challenges and opportunities. 17 June. Advancing the Science Webinar Series. Sponsored by the American Cleaning Institute (ACI), in collaboration with the Toxicology Excellence for Risk Assessment (TERA) Center, University of Cincinnati and Endorsed by the Society of Toxicology.

Invited speaker. 2016. Environmental Epidemiology: The importance of exposure assessment. CropLife America and RISE Spring Conference. 14 April. Arlington, Virginia.

LaKind JS. 2016. Quality Matters in Environmental Epidemiology: The data we collect versus the data we need. 14 March. Society of Toxicology. New Orleans, LA.

Invited speaker. 2016. Biomonitoring and temporality in environmental epidemiology: The data we collect versus the data we need. U.S. Environmental Protection Agency. Temporal Exposure Issues for Environmental Pollutants: Health Effects and Methodologies for Estimating Risk. 27–29 January. Research Triangle Park, NC

LaKind JS. 2015. Biomonitoring Data in Cumulative Risk Assessment: The Biomonitoring, Environmental Epidemiology, and Short-Lived Chemicals (BEES-C) Instrument. Society for Risk Analysis. 9 December. Arlington, Virginia.

LaKind JS, Naiman DQ. 2015. Temporal trends in BPA exposure in the US from 2003–2012 and factors associated with BPA exposure: Spot samples and urine dilution complicate data interpretation. International Society for Exposure Science. 19 October. Henderson, Nevada.

Invited speaker/panelist. 2015. Exposure Science and Environmental Epidemiology: Problems and Proposed Solutions. ICCA-LRI & US EPA Workshop. What Will Work? Application of New Approaches for Chemical Safety Assessment. June 16-17. New Orleans, Louisiana.

Invited poster presentation. 2015. Issues with quality and harmony in environmental epidemiology: PCBs, BPA and phthalates. ICCA-LRI & US EPA Workshop. What Will Work? Application of New Approaches for Chemical Safety Assessment. June 16-17. New Orleans, Louisiana.

Invited speaker. 2015. Institute of Medicine Workshop on the Interplay between Environmental Exposures and Obesity. March 2-3. Research Triangle Park, NC.

Invited speaker. 2014. The need for more robust data in environmental epidemiology: BPA as a case study. Toxicology Forum. July 9. Aspen, Colorado.

Invited panelist. 2014. What Is Safe? Integrating Multi-Disciplinary Approaches for Decision Making about the Human Health and Environmental Impacts of Chemicals. ICCA-LRI & JRC Workshop. June 17-18, Lugano, Switzerland.

Speaker. 2014. PCBs and related chemicals in breast milk: What do the data mean for mothers, infants, doctors, regulators and others? Society of Toxicology Annual Meeting. 26 March. Phoenix, Arizona.

Invited speaker. 2013. Endocrine disruptors and obesity, diabetes and heart disease: What does epidemiological research tell us? 15th Cefic-LRI Annual Workshop. 21 November. Brussels, Belgium.

Invited speaker. 2013. Uncertainties in Epidemiology: The Example of Bisphenol A. 2013 Center for Advancing Risk Assessment Science And Policy Workshop. 6 November. Washington DC.

Invited speaker. 2013. Urine and Pool Water: Exposure and Health. World Aquatic Health Conference. 18 October. Indianapolis, Indiana.

Invited speaker. 2013. Cancer Clusters in the USA: What Do the Last 20 Years of State and Federal Investigations Tell Us? DHMH Workgroup on Cancer Clusters and Environmental Causes of Cancer. September 10, Baltimore, Maryland.

Invited speaker/panelist. 2013. What is Normal? Biomarkers of Exposure & Effect. ICCA-LRI & NCATS Workshop: What Is Normal? Implications for Chemical Safety Assessment. June 11-12, Santa Fe, New Mexico.

Guest lecturer. 2013. Human Health Risk Assessment Primer. University of Maryland, College Park. 30 April.

Invited speaker. 2012. 21st Century Solutions for 20th Century Problems: Lessons from 4 decades of environmental epidemiology research. CropLife America & RISE. Spring Conference. Arlington, Virginia. 5 April.

Invited speaker. 2011. Endocrine disruption and risk assessment: The controversial case of bisphenol A. Grand Rounds. Division of Endocrinology, Diabetes and Nutrition, University of Maryland School of Medicine. 31 October.

LaKind JS, Levesque J, Dumas P, Bryan S, Clarke J, Naiman DQ. 2011. Can We Compare United States and Canadian Population Exposures from National Biomonitoring Surveys? Bisphenol A (BPA) as a Case Study. International Society for Exposure Science. Baltimore, Maryland. 27 October.

Invited speaker. 2011. Swimming and asthma: What does the current research say? ACI Asthma Science Forum. Arlington, VA. 10 May.

Invited speaker. 2010. *Are the kids alright?* Strengthening regulatory decision-making in the uncertain world of children's health research. 12th Cefic LRI Annual Workshop. Brussels, Belgium. 18 November.

Guest Lecturer. 2010. Human Health Risk Assessment Primer. University of Maryland, College Park. 8 November.

Speaker. 2010. The Good, the Bad, and the Volatile: Can We Have Both Healthy Pools and Healthy People? World Aquatic Health Conference. Colorado Springs, CO. 8 October.

Invited speaker. 2010. A Multidisciplinary Approach to Advancing the Science of Neurodevelopmental Testing in Cohorts of Infants and Young Children. Teratology Society's 50th Annual Meeting. Louisville, Kentucky. Joint TS/Neurobehavioral Teratology Society Symposium on Advancing Neurodevelopmental Evaluation in Children. June 29. Citation: LaKind JS, Youngstrom E, Goodman M, Squibb K, Lipkin PH, Anthony LG, Kenworthy L, Mattison D. 2010. A multidisciplinary approach to advancing the science of neurodevelopmental testing in cohorts of infants and young children. NBTS 34 Neurotoxicology and Teratology 32:505.

Kenworthy L, Anthony LG, Goodman M, LaKind JS, Lipkin PH, Mattison D, Squibb K, Youngstrom E. 2010. Getting the biggest bang for your buck: Choosing neurodevelopmental tests that maximize power. NBTS35 Neurotoxicology and Teratology 32:506.

Anthony LG, Youngstrom E, Kenworthy L, LaKind JS, Goodman M, Squibb K, Lipkin PH, Mattison D. 2010. Threats to study validity: The Flynn Effect, examiner drift, confounders, lost in translation, and other important considerations. *NBTS36 Neurotoxicology and Teratology* 32:506.

Invited speaker. 2010. Environmental fate of chemicals: Bring babies into the food web. University of Maryland Baltimore County. 10 March.

Invited participant/speaker. 2009. Human milk biomonitoring: data interpretation and risk assessment issues. International Atomic Energy Agency. Vienna, Austria. 16 February.

Invited speaker. 2008. Grand Rounds. Environmental chemicals and breastfeeding infants. The Johns Hopkins School of Medicine. February 6. Baltimore, Maryland.

LaKind JS, Squibb KS, McElprang DO, Blount BK. Methodologic pilot study of volatile organic compounds (VOCs) in human milk. 2007. 17th Annual Conference of the International Society for Exposure Analysis. October. Durham, North Carolina.

LaKind JS, Aylward LL, Brunk C, DiZio S, Dourson M, Goldstein DA, Kilpatrick ME, Krewski D, Bartels M, Barton HA, Boogaard PJ, Lipscomb J, Krishnan K, Nordberg M, Okino M, Tan Y-M, Viau C, Yager JW, Hays SM. 2007. Guidelines for the Communication of Biomonitoring Equivalents: Report from the Biomonitoring Equivalents Expert Workshop. 17th Annual Conference of the International Society for Exposure Analysis. October. Durham, North Carolina.

Speaker. 2007. Workshop on Childhood Asthma and Environmental Exposures at Indoor Swimming Pools. Advancing the Science. Fourth Annual World Aquatic Health™ Conference. 3 October. Cincinnati, Ohio.

LaKind JS, Berlin CM Jr., Stokes JL, Naiman DQ, Paul IM, Patterson DG Jr., Jones RS, Niehüser S, Park A, Wang RY, Needham LL, Lorber MN, Sjödin A. 2007. Lifestyle and polybrominated diphenyl ethers (PBDEs) in human milk in the United States: A pilot study. 17th Annual Conference of the International Society for Exposure Analysis. October. Durham, NC.

Invited speaker. 2007. Environmental chemicals and breastfeeding infants (update). La Leche League International's 50th Anniversary Conference. July 23. Chicago.

Invited speaker. 2006. Women's & Children's Health and the Environment. Talking about Environmental Chemicals in Human Milk: Why "Breast is Best." April 24. Baltimore, Maryland.

Invited speaker. 2006. Grand Rounds. What is in mother's milk and what does it mean? Environmental chemicals and breastfeeding infants. Children's Hospital at Sinai. February 14. Baltimore, Maryland.

LaKind JS, Berlin CM Jr. 2005. Workshop on Human Milk Surveillance and Biomonitoring for Environmental Chemicals in the United States. 15th Annual International Society of Exposure Analysis Annual Meeting. November. Tucson, Arizona.

Invited speaker. 2005. Grand Rounds. Interpretation and communication of information from biomonitoring studies. What physicians should know. Maryland General Hospital. October 10. Baltimore, Maryland.

Invited speaker. 2005. Biomonitoring Panel Report: Biomonitoring study design, interpretation, and communication. International Society of Regulatory Toxicology and Pharmacology Workshop: Understanding Human Biomonitoring. June 16. Sacramento, California.

Invited speaker. 2005. What is in mother's milk and what does it mean? Environmental chemicals and breastfeeding infants. Pediatric Academic Societies' Annual Meeting, Perinatal Nutrition and Metabolism Club. May 16. Washington, DC.

Invited speaker. 2005. Interpretation and communication of information from biomonitoring studies. Ethics & Sustainability Dialogue Group. May 12. Alexandria, Virginia.

Invited speaker. 2004. Breast Feeding Promotion Task Force. June 7. Baltimore, Maryland.

Invited speaker. 2004. What is in mother's milk and what does it mean? A discourse on environmental chemicals and breastfeeding infants. Institute of Pharmacology and Toxicology, Section of Developmental and Environmental Toxicology, University of Zurich, April 22, Lausanne, Switzerland; World Health Organization, April 26, Geneva, Switzerland.

LaKind JS, Susten A, Mistry K. 2003. Uses and interpretation of human biomonitoring data. Society for Risk Analysis Annual Meeting. December 10. Baltimore, Maryland.

Invited speaker. 2003. Environmental chemicals in human milk. Sixth National Environmental Public Health Conference. December 4. Atlanta, Georgia.

LaKind JS, Bates MN, Wilkins AA. 2003. How useful is measurement of environmental chemicals in human milk in investigations of breast cancer etiology? *Dioxin* 2003. August. Boston, MA.

Invited speaker. 2003. Department of Health and Human Services, Office on Women's Health. Workshop on Breast Cancer and the Environment. June 26. Washington, DC.

Invited speaker. 2003. Chemicals and Risk: What You Should Know, What Patients May Ask. Grand Rounds, Hershey Medical Center, Penn State College of Medicine. April 8. Hershey, Pennsylvania.

LaKind JS, Susten A, Mistry K. 2003. Society for Risk Analysis Annual Meeting. Uses and Interpretation of Human Biomonitoring Data. December 10. Baltimore, Maryland.

Invited speaker. 2003. US Environmental Protection Agency's Children's Health Protection Advisory Committee. Research and surveillance of environmental chemicals in human milk. March 19. Washington, DC.

Invited speaker. 2002. The Johns Hopkins University Bloomberg School of Public Health Education and Research Center Lecture Series. Environmental Chemicals in Human Milk. 2 December. Baltimore, Maryland.

Invited speaker. 2002. US Environmental Protection Agency Children's Health and Protection Advisory Council Science and Regulatory Work Group. 15 October. Washington, DC.

Invited speaker. 2002. Breast milk monitoring for environmental chemicals in the U.S. Summary Expert Panel Workshop, Hershey, PA. Workshop on Chemicals and Drugs in Breast Milk. National Institutes of Health. April 24. Bethesda, Maryland.

Pittinger CA, LaKind JS. 2001. Weighing ecological risks and societal benefits: Pharmaceuticals and personal care products in the environment. 22nd Annual Society of Environmental Toxicology and Chemistry Meeting. November 15. Baltimore, Maryland.

Invited speaker. 2001. Protocol for breast milk monitoring for environmental chemicals. Toxic Chemicals in Breast Milk: A National Workshop to Assess Hazards to Children's Health of Chemical Contaminants in Breast Milk. Center for Children's Health and the Environment, Mt Sinai School of Medicine. October 5. New York City, New York.

LaKind JS, Berlin CM. 2001. Developing a protocol for breast milk monitoring for environmental chemicals: Workshop overview. International Society of Exposure Analysis Annual Meeting. November 4-8. Charleston, South Carolina.

LaKind JS, Berlin CM, Naiman DQ. 2001. Infant exposure to chemicals in breast milk in the United States: What we need to learn from a breast milk monitoring program. Presented at the Children's Environmental Health II: A Global Forum for Action. September 8. Washington, DC.

LaKind JS, Berlin CM. 2000. PDBEs in breast milk: Where do we go from here? Dioxin2000. August 13-17. Monterey, California.

LaKind JS, Berlin CM, Naiman DQ, Park CN. Characterization of dose distributions of selected breast milk contaminants to nursing infants: DDE and TCDD. American Public Health Association Annual Meeting, November, 1999; Society for Risk Analysis Annual Meeting, December, 1999; and Dioxin2000, Monterey, California, August 13-17, 2000.

Invited speaker. 1998. Principles of toxicology. School Nurse Institute. August 5. Towson, Maryland.

Invited speaker. 1998. Alchemy, risk assessment, and other phenomena. Lawrence University Science Colloquium. April 17. Appleton, Wisconsin.

Invited speaker. 1997. Managing risk in the face of scientific uncertainty. The Center for Technology, Environment, and Development (CENTED). Clark University. September 26. Worcester, Massachusetts.

Williams LG, Fendick E, LaKind JS, Stern B, Strand JA, Tardiff RG. 1995. Risk-based water quality criteria for treated mine-tailings effluent. Second World Congress of the Society of Environmental Toxicology and Chemistry.

Invited speaker. 1994. Comparison of human health risk assessment modeled data with observed data: Dioxin and lead. University of Guelph Department of Statistics. Guelph, Canada.

Invited speaker. 1993. Morgan State University Chemistry Department. Lecture on aquatic chemistry concepts and environmental and regulatory applications.

Invited speaker. 1992. Contradictions between Predictions and the Real World. National Association of Health Professionals Annual Conference. Norfolk, VA.

LaKind JS, Naiman DQ. 1991. Comparison of predicted and observed dioxin levels in fish: Implications for risk assessment. Society for Risk Analysis Annual Meeting.

LaKind JS, Rifkin E. 1991. A coordinated approach to dioxin regulation. Presented at Dioxin: National Conference on Establishing Multimedia Controls. May, 1991. Washington, DC.

Invited speaker. 1991. Use of the BCF in criteria development for hydrophobic compounds. Virginia Water Pollution Control Association Annual Conference.

LaKind JS, Rifkin E. 1990. Current method for setting dioxin limits in water requires reexamination. Dioxin and PCBs: National Conference on Approaches to Address Human Health Risks and Aquatic Life Impacts. May 10-11, 1990. Washington, DC.

LaKind JS, Rifkin E. 1990. Alternative approach for developing criteria for hydrophobic substances. 11th Annual Meeting of the Society of Environmental Toxicology and Chemistry.

LaKind JS, Stone AT. 1988. Reductive dissolution of goethite by substituted phenols. Annual Meeting of the American Geophysical Union.

LaKind JS, Stone AT. 1986. Reductive dissolution of goethite and hematite by substituted phenols. Annual Meeting of the American Geophysical Union.

LaKind JS, Brown PE. 1984. Characterization of the gold-bearing fluid at Red Lake, Ontario. Annual Meeting of the Geological Association of Canada- Mineralogical Association of Canada.

Professional Activities/Recognition:

President, International Society of Exposure Science. 2017-2018.

Symposium Chair (with M. Mortensen). 2016. Biomonitoring: The Genie is out of the Bottle: Challenges in Data Quality and Interpretation. International Society of Exposure Science. Utrecht, The Netherlands. 12 October.

Symposium Chair (with D. Mattison). 2016. Harmonization, access, transparency: improving environmental epidemiology for public health decision-making. International Society of Exposure Science. Utrecht, The Netherlands. 10 October.

Invited member. 2016. National Institutes of Health Working Group - Risk Of Bias In Non-randomized Studies of Exposures. 2016.

Invited member. Epidemiology and Risk Assessment Expert Panel. 8 April 2016.

Invited member. EPA Expert Workshop on Aggregate Exposure Pathway: A Conceptual Framework to Advance Exposure Science Research and Complete the Source-to-Outcome Continuum for Risk Assessment. May 9-11, 2016. Research Triangle Park, North Carolina.

Invited member, Maryland Department of Health and Mental Hygiene (DHMH) Cancer Cluster Advisory Committee. 2016.

Membership Committee, Society for Risk Analysis. 2016.

President-Elect, International Society of Exposure Science. 2016.

Member, Technical Organizing Committee. 2016 International Society of Exposure Science Annual Meeting.

EPA Scientific and Technological Achievement Award (STAA) Level III for 2015 for: Providing Critical Models and Information Needed for Exposure and Risk Assessments of Environmental Chemicals in Infants.

Invited member, Review Panel, National Cancer Institute Laboratory of Metabolism (LM) of the NCI Intramural Program. September 16-18, 2015. Bethesda MD.

Jury member, ISES representative. 2015 LRI Innovative Science Award.

Invited participant. 2015. Institute of Medicine's Roundtable on Environmental Health Sciences, Research, and Medicine Workshop: The Interplay between Environmental Exposures and Obesity. March 2-3, Research Triangle Park, NC.

Co-Chair (with Dr. Benjamin Blount, CDC), 2015 Annual Meeting, International Society of Exposure Science. Henderson, NV. 18-22 October.

Member, Diversity Committee. 2015 - present. International Society of Exposure Science.

Member, Nominations Committee. 2014 - present. International Society of Exposure Science.

Member, General Scientific Meetings Committee. 2014 - present. International Society of Exposure Science.

External Peer Reviewer. 2013. America's Children and the Environment. Third Edition. Environmental Protection Agency. EPA 240-R-13-001.

Grant Proposal Review. Health Canada's Chemicals Management Monitoring and Surveillance Fund. 2013.

Appointed member. Maryland Pesticide Reporting and Information Workgroup. June 2013.

Grant Proposal Review. Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO). April 2013.

Facilitator, Best Practices for Obtaining, Interpreting and Using Human Biomonitoring Data in Epidemiology and Risk Assessment: Chemicals with Short Biological Half-Lives. April 10-12, 2013. Baltimore, MD.

Facilitator, Advancing Cancer Cluster Assessments: Starting the Dialogue. April 3-5, 2013. Baltimore, MD.

Editorial Board. 2013. *Environment International*. February 2013- February 2016.

Scientific Program Committee, 2013. Environmental Health Conference, Basel, Switzerland. 19-23 August. Joint conference of the International Society of Environmental Epidemiology (ISEE), International Society of Exposure Sciences (ISES) and International Society of Indoor Air Quality (ISIAQ).

Councilor, International Society of Exposure Science. 1 January 2013 – 31 December 2015.

Board of Directors, National Swimming Pool Foundation. 1 November 2012 – 28 October 2015.

Invited participant. 2012. Expert Workshop on Approaches to Improving the Risk Assessment of Persistent, Bioaccumulative and Toxic (PBT) Chemicals in Breast Milk. Environmental Protection Agency, Research Triangle Park, North Carolina. October 24-26.

Discussion Leader. 2012. Swimming Pools: Chemistry and Respiratory Effects, Gordon Research Conference, Drinking Water Disinfection Byproducts. Mount Holyoke College, August 5-10.

Panel member. 2012. US Environmental Protection Agency Science Advisory Board Panel on Perchlorate - Approaches for Deriving Maximum Contaminant Level Goals for Drinking Water.

Invited participant. Experts panel on exposure to swimming pool disinfection by-products and asthma and allergy effects. Porto, Portugal. 15 March 2011.

Mentor. 2011 - present. International Society of Exposure Science Mentor Program.

Facilitator, Children's Environmental Health & Protection Advisory Council: Feasibility of Biomonitoring in Maryland: An Open Meeting & Discussion. 1 April 2011. Laurel, MD.

Grant Proposal Review. Health Canada's Chemicals Management Monitoring and Surveillance Fund. 2011.

Grant Proposal Review. Health Canada's Chemicals Management Plan Monitoring & Surveillance Fund. 2011.

Grant Proposal Review. Human and Social Sciences, Epidemiology and Public Health, National Cancer Institute, France. 2011.

Institute of Medicine Committee on Blue Water Navy Vietnam Veterans and Agent Orange Exposure. May 2010 - 2011.

Graduate Council, UMBC. Associate member. April 2010 – present.

Grant Proposal Review: NIEHS. Superfund Basic Research and Training Program. October 2009.

Environmental Health Advisor, Maryland Department of the Environment Science Services Administration. June 2008-June 2009.

Grant Proposal Peer Review: NIEHS R21. Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants. July 2009.

Grant Proposal Peer Review: AAAS Research Competitiveness Service; Washington State's Life Sciences Discovery Fund. 2009.

Society of Toxicology Risk Assessment Specialty Section 2008 Top Ten Publications Advancing the Science of Risk Assessment awarded to Hays, S.M., Aylward, L.L., LaKind, J.S., et al. 2008. Guidelines for the Derivation of Biomonitoring Equivalents: Report from the Biomonitoring Equivalents Expert Workshop. *Regulatory Toxicology and Pharmacology* 51(3, Suppl 1):S4-S15.

Society of Toxicology Risk Assessment Specialty Section 2008 Top Ten Publications Demonstrating an Application of Risk Assessment awarded to Aylward LL, LaKind JS, et al., *J Toxicol Environ Health A* 71(22):1499-1508.

Board of Directors, U.S. – Montenegro Business Council. January -September, 2009.

Project Committee. 2008. *Maryland's Children and the Environment*. August. <http://www.dhmm.state.md.us/reports/pdf/MDChildrenEnv08.pdf>

Associate Editor. *Journal of Exposure Science and Environmental Epidemiology* 2008-2014.

Aquatics International Power 25. 2008. http://www.aquaticsintl.com/2008/feb/0802_power.html

Workshop Facilitator. 2007. Workshop on Childhood Asthma and Environmental Exposures at Indoor Swimming Pools. Advancing the Science 21-24 August. Leuven, Belgium.

Associate Editor. 2006. Environmental and Neurodevelopmental Disorders. Special Issue of NeuroToxicology, vol 27, Issue 5.

Invited participant. 2006. WHO Consultation to Develop a Strategy to Estimate the Global Burden of Foodborne Diseases. 25-27 September. Geneva, Switzerland.

Workshop Co-Instructor (D. Barr, A. Calafat, L. Needham). 2005. Exposure Assessment for Environmental Chemicals Using Biomonitoring. International Society for Exposure Analysis. Tucson, Arizona. November, 2005.

Symposium Chair (with B. Blount). 2005. Environmental Chemicals in Human Milk. International Society for Exposure Analysis. Tucson, Arizona. November, 2005.

Organizing Committee. 2005. Twenty-Second International Neurotoxicology Conference. Environment and Neurodevelopmental Disorders. Research Triangle Park, NC. 11-14 September.

Workshop Steering Committee and Organizer. 2005. Hershey Medical Center Technical Workshop: Optimizing the Design and Interpretation of Epidemiologic Studies for Assessing Neurodevelopmental Effects from In Utero Chemical Exposure. Research Triangle Park, NC. 14 September, 2005.

Session Co-chair (with L.L. Needham). Body Burden and Dietary Intake, Dioxin 2005. Toronto, Canada. August, 2005.

Invited Participant: International Biomonitoring Workshop, ILSI Health and Environmental Sciences Institute, Research Triangle Park, NC, September, 2004.

Member, World Health Organization Survey Coordinating Committee for the WHO Global Survey of Human Milk for Persistent Organic Pollutants (POPs). 2004 - present.

Workshop Organizer (with C.M. Berlin): Second Technical Workshop on Human Milk Surveillance and Biomonitoring Research on Environmental Chemicals in the United States. Milton S. Hershey Medical Center, Pennsylvania State University College of Medicine, 24-26 September 2004.

Symposium Chair. 2003. Society for Risk Analysis Annual Meeting. Uses and Interpretation of Human Biomonitoring Data. Baltimore, MD. December 7-10.

Technical Program Committee. 2003. Dioxin 2003, Boston, MA. Session Chair: Public Health Decision-Making and Resource Allocation: Dioxin and Other PBTs as a Case Study.

Guest Editor. 2002, 2005. *Journal of Toxicology and Environmental Health*, issues on the Technical Workshop on Human Milk Surveillance and Research on Environmental Chemicals in the United States.

Workshop Organizer (with C.M. Berlin): Technical Workshop on Human Milk Surveillance and Research on Environmental Chemicals in the United States. Milton S. Hershey Medical Center, Pennsylvania State University College of Medicine, 15-17 February 2002.

Appointed Member: Maryland's Children's Environmental Health and Protection Advisory Council, December 2000 – July 2008.

Appointed Member: Maryland Lead Poisoning Prevention Commission, January 2000 – February 2002.

Invited Award Selection Panel Member: USEPA Science Achievement Award in Water Quality. 1998.

Guest Editor: *International Journal of Environment and Pollution*. Special Issue on Environmental Risk Assessment: Issues and Methods. Vol. 9, No. 1. 1998.

Session Organizer and Chair: Emerging EPA Guidance: Implications for the Pulp and Paper Industry. Annual TAPPI Environmental Division Conference, May 5-7, 1997.

TAPPI, Technical Program Committee Member. 1996 - 1997.

Technical Editor: Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1995 Edition). US Department of Housing and Urban Development.

Symposium Chair: Society for Risk Analysis Annual Meeting. Organized session on *Predicting Blood Lead Levels: Models and Applications*. December, 1994.

Invited Participant: Alliance for the Chesapeake Bay Roundtable on the Toxics Reduction Strategy of the Chesapeake Bay Program. Baltimore, May, 1994.

Invited Participant: Washington State Departments of Health and Ecology Sediment Scientific Review Board. Seattle, 1993.

Participant: Scientific Working Conference on Bioaccumulation of Hydrophobic Organic Chemicals. Institute for Evaluating Health Risks, Washington DC, June 1992.

Editorial Board: *Journal of Toxicology and Environmental Health*. 1992-present.

Editorial Board: *Environmental Toxicology and Chemistry*. 1996-1998.

Peer Reviewer: *Environmental Health Perspectives, Journal of Exposure Science and Environmental Epidemiology, Chemosphere, Risk Analysis: An International Journal, Public Health Reports*.
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Health Reports, Environmental Research, Journal of Pediatric Gastroenterology and Nutrition: An International Journal of Clinical, Experimental and Developmental Investigation, Toxicology and Applied Pharmacology, Integrated Environmental Assessment and Management, Reproductive Toxicology, Food and Chemical Toxicology, Environment International

Member of Board of Directors, Advisory Board, and past President: Baltimore Coalition Against Childhood Lead Poisoning, Inc., Coalition for a Lead Safe Environment. 1992-1994.

Guest Editor: *Journal of Toxicology and Environmental Health*, 1991.

American Chemical Society Graduate Student Award in Environmental Chemistry. 1987.

On-line media

LaKind JS. 2013. Soapbox Science, Nature.com Guest blog. Environmental chemicals in our bodies – we know they are in there, but what does it mean?

<http://blogs.nature.com/soapboxscience/2013/01/02/environmental-chemicals-in-our-bodies-we-know-they-are-in-there-but-what-does-it-mean> 2 January.

Exposure science video for the International Society of Exposure Science. “Get connected - join the International Society of Exposure Science!!”

https://www.youtube.com/watch?v=WkmfI_ZwxHg

Research/Grants:

Investigator: Pilot Study on Concentrations of PBDEs in Human Milk (with Drs. C. M. Berlin, Jr. and I. Paul, Milton S. Hershey Medical Center, Penn State College of Medicine, and Dr. D. Patterson, Centers for Disease Control and Prevention). Cooperative Agreement CR-83150601-0 from the US Environmental Protection Agency. 2003.

Investigator: Partitioning and Elimination Kinetics Study of Human Milk and Blood (with Drs. C. M. Berlin, Jr. and I. Paul, Milton S. Hershey Medical Center, Penn State College of Medicine, and Drs. A. Sjödin and D. Patterson, Centers for Disease Control and Prevention). 2004.

Investigator: Human Milk Biomonitoring For Environmental Chemical (Volatile Organic Compound) Exposures (with Dr. K Squibb, University of Maryland School of Medicine and Dr. B. Blount, Centers for Disease Control and Prevention). 2005.

Principle Investigator. Review of Neurodevelopmental Function Tests in Children (with Drs. Eric Youngstrom, Michael Goodman, Katherine Squibb, Paul H. Lipkin, Laura Gutermuth Anthony, Lauren Kenworthy, Donald R. Mattison). Cefic/LRI Research Grant. 2009.

Principle Investigator. Development of Guidelines for Addressing Contamination and Associated Toxicity in Freshwater/Marine/Estuarine Sediments. Maryland Department of the Environment. 2009-2010.

Principle Investigator. Critical review of epidemiological evidence for the potential association between endocrine active chemicals and obesity, diabetes and cardiovascular disease (with Drs. Donald Mattison, Michael Goodman). Cefic/LRI Research Grant. 2013.

Selected Co-Authored Reports/Articles:

Environmental Protection Perchlorate Advisory Panel. 2013. SAB Advice on Approaches to Derive a Maximum Contaminant Level Goal for Perchlorate Final Report.

IOM Committee. 2011. Blue Water Navy Vietnam Veterans and Agent Orange Exposure. The National Academies Press. Washington DC.

LaKind JS, Blatchley ER. 2011. The ABCs of DBPs. Aquatics International. February.
http://www.aquaticsintl.com/2011/feb/1102_tech.html

University of Maryland. 2009. Standard Operating Procedures for Fish and Shellfish Collection and Analysis. For: Maryland Department of the Environment Science Services Administration. 22 May.

University of Maryland. 2009. Technical Support Document for Establishing Fish and Shellfish Consumption Advisories in Maryland. For: Maryland Department of the Environment Science Services Administration. 23 March.

LaKind Associates, LLC (with Dr. E.J. Bouwer). 2003. Investigation of the Removal of Formaldehyde and Phenol by Funeral Home Septic Systems. Prepared for the National Funeral Directors Association. May 2003.

LaKind Associates, LLC and ENVIRON International Corporation. 2002. Assessment of Triclosan Residues In Breast Milk Based on Available Data: Final Report.

LaKind Associates, LLC. Human Health Risk Evaluation of the Windsor Terminal Site, Baltimore, Maryland. December, 2000.

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Student Mentoring:

2014. Doctoral defense committee member. Huan Xial, UMBC Ph.D. candidate.

2012-present. International Society for Exposure Science Mentor Program. Satori Marchitti, Ph.D., US Environmental Protection Agency, National Exposure Research Laboratory.

2012. Eric Sewell, summer intern, Johns Hopkins University Department of Applied Mathematics and Statistics.

2011-2012. International Society for Exposure Science Mentor Program. Liesel M. Seryak, Ph.D. candidate, The Ohio State University College of Public Health.

2011. Doctoral defense committee member. Piuly Paul, UMBC Ph.D. candidate.

2009. Mentor, Maryland Department of the Environment, Chunxiao Zhu, MS candidate, Department of Geography & Environmental Engineering, Johns Hopkins University

2009. Mentor, Maryland Department of the Environment, Edward Berg, MS candidate, Department of Geography & Environmental Engineering, Johns Hopkins University

Employment History:

Employer: University of Maryland Baltimore County
Employed: January 2010 – May 2010
Title: Part Time Instructor, College of Engineering & Information Technology

Employer: University of Maryland School of Medicine
Employed: September 2008 – 2009
Title: Associate Professor

Employer: University of Maryland School of Medicine
Employed: July 2008 – June 2009
Title: Environmental Health Advisor, Maryland Department of the Environment

Employer: University of Maryland School of Medicine
Employed: May 2003 – present
Title: Adjunct Associate Professor

Employer: University of Maryland School of Law
Employed: May 2003 – May 2004
Title: Adjunct Associate Professor

Employer: LaKind Associates, LLC
Employed: June 1998 - present
Title: Founder, President

Employer: The Sapphire Group
Employed: January 1997 - May 1998
Title: Co-founder, Vice President, and Managing Principal

Employer: EA Engineering, Science and Technology, Inc.
Judy S. LaKind, Ph.D.

Employed: September 1993 - December 1996
Title: Senior Scientist

Employer: The Johns Hopkins University
Employed: September 1991 - 1994
Title: Instructor, Aquatic Chemistry

Employer: The Johns Hopkins University
Employed: September 1993 - December 1994
Title: Instructor, Environmental Risk Assessment

Employer: Self-employed, JSL Consulting
Employed: June 1991 - August 1993
Title: Environmental Consultant

Employer: Rifkin & Associates, Inc.
Employed: October 1988 - May 1991
Title: Senior Associate

Employer: U.S. Environmental Protection Agency, Office of Federal Activities
Employed: 1988
Title: Geologist