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EDUCATION:

Harvard University School of Public Health, Boston, MA
Sc.D., Exposure, Epidemiology & Risk, April 2004

Harvard University School of Public Health, Boston, MA
M.S., Environmental Science and Engineering, June 2001

Iowa State University of Science and Technology, Ames, IA
B.S., Industrial Technology, May 1999

EXPERIENCE:

University of Michigan School of Public Health, Ann Arbor, MI
Senior Associate Dean for Research, School of Public Health, 5/16-present
Professor; Department of Environmental Health Sciences, 9/15-present
Associate Dean for Research, School of Public Health, 5/13-4/16
Associate Professor; Department of Environmental Health Sciences, 9/11-8/15
Associate Chair; Department of Environmental Health Sciences, 11/11-5/13
Assistant Professor; Department of Environmental Health Sciences, 9/05-8/11

Harvard University School of Public Health, Boston MA
Postdoctoral Research Fellow; Environmental & Reproductive Epidemiology, 4/04-9/05
Graduate Research Associate; Exposure, Epidemiology and Risk, 5/02-4/04
Research Industrial Hygienist, 6/00-5/02
Research Assistant; Environmental Chemistry Lab, 10/99-6/00

Center for Construction Research and Training (CPWR), Washington, DC
Environmental Science and Industrial Hygiene Consultant, 3/02-8/14

Harvard Injury Control Research Center, Boston, MA
Graduate Research Associate, 11/00-1/02

CERTIFICATIONS:

- Board-Certified (ABIH) in Comprehensive Practice of Industrial Hygiene (CIH); CP #9349

HONORS:

- NIEHS Extramural Paper of the Year, 2014 (Ferguson et al. 2014; JAMA Pediatrics)
- NIEHS Extramural Paper of the Month, Jan. 2014
- AIHA Student Local Section of the Year, 2012 (Faculty Advisor)
- NIEHS Extramural Paper of the Year, 2011 (Meeker et al. 2010; Reprod Tox 30:532-9)
- NIEHS Extramural Paper of the Month, February 2011
- Reviewer of the Year, *Environmental Health Perspectives*, 2010
- Young Clinical Scientist Award, Flight Attendant Medical Research Institute, 2005-11
- NIEHS Postdoctoral Training Fellowship, Environmental Epidemiology, 2004-05
- Harvard Occupational Health NIOSH ERC Graduate Fellowship, 1999-2004
- Golden Key National Honor Society

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RESEARCH

Active Research Support (amounts represent approximate total costs):

- U2CES026553 (PI: Meeker, JD) 09/01/15-08/31/19
NIH/NIEHS \$9,500,000
M-CHEAR: Michigan Children's Health Exposure Analysis Resource Laboratory Hub
The primary objective of the Michigan Children's Health Exposure Analysis Resource (M-CHEAR) Laboratory Hub is to contribute to large-scale national efforts to advance our knowledge of the impact of the environment on children's health. This will be done through providing high-quality, state-of-the-art laboratory support for a wide assortment of targeted and untargeted analyses in biological samples from external researchers conducting epidemiology and clinical studies of child health.
- R01 ES021465 (PI: Meeker, JD; Lozoff B (MPI)) 04/01/12 – 03/31/17
NIEHS, NIH \$3,505,000
Environmental Exposures, Early Iron Deficiency and Child Neurodevelopment
The proposed study aims to: 1) Investigate the association between neurodevelopment and early life exposure to pesticides, metals (manganese and lead), and STS individually and in combination (i.e., additive and multiplicative effects); 2) Test for interactions between these agents and ID on neurodevelopmental outcomes; and 3) Determine whether iron supplementation in pregnancy and/or in infancy ameliorates adverse impacts of environmental exposures on neurodevelopment outcome. An administrative supplement (\$76,000) was granted in 2014 by NLM/NIEHS to incorporate information science expertise and technology into this complex study.
- R01ES022955 (PI: Meeker, JD; Hauser R (MPI)) 04/01/14-03/31/19
NIEHS, NIH \$2,570,000
Maternal and Paternal Flame Retardant Exposure, Impact on Fertility and Pregnancy
There is evidence over the last several decades of a decline in human fertility that coincided with the increase in widespread human exposure to synthetic chemicals that alter endocrine signaling. Flame retardants are a class of widely used chemicals that have been shown to adversely affect fertility in experimental animals. The proposed study is designed to determine the impact of flame retardants on both the maternal and paternal contribution to clinical pregnancy outcomes.
- P42 ES017198 (PI: Alshwabkeh, A; Role: Project 1 PI & Core C Co-Leader) 04/01/10-03/31/19
NIEHS, NIH \$23,300,000
Puerto Rico Testsite for Exploring Contamination Threats (PRoTECT)
Project 1 (PI: Meeker, JD) \$3,175,000
Molecular Epidemiology Study of Phthalate Exposure & Preterm Birth in Puerto Rico
The PROTECT Superfund Research Program (SRP) uses a unique controlled island setting of Puerto Rico, which has a high concentration of Superfund sites and the highest recorded rates of preterm birth, to better understand contaminant fate and transport in karst geology as it relates to human exposure and adverse pregnancy outcomes. The program involves 5 research and translation cores and 5 research projects, including projects in environmental engineering, analytical chemistry, epidemiology, and toxicology. Project 1 is a state-of-the-art epidemiology study of 1200 pregnant women being recruited in the northern coast of Puerto Rico to explore the impacts of exposure to chemical mixtures, sources and pathways of exposure to emerging chemicals of concern among pregnant women, and investigate biological mechanisms involved in the relationship between exposure to chemicals and preterm birth. An administrative supplement (\$89,000) was granted in 2014 to provide infrastructure for following children born into the cohort for future study of developmental impacts from early life exposure to chemicals.
- P01 ES022844 (PI: Peterson, K; Role: Project 1 PI) 04/01/13-03/31/18
NIEHS, NIH; USEPA \$7,260,000
Lifecourse Exposures & Diet: Epigenetics, Maturation & Metabolic Syndrome

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- Project 1 (PI: Meeker, JD) \$1,100,000
Perinatal & Peripubertal Mixtures, Physical Growth, and Sexual Maturation
In the NIEHS/EPA Children's Environmental Health and Disease Prevention Center (CEHC), we will conduct three research Projects examining the complex interactions among environmental exposures to endocrine disrupting chemicals (EDCs) and diet and their effects on physical growth, the tempo of sexual maturation and risk of metabolic syndrome. Project 1 will expand upon the pilot work of the University of Michigan (UM) Formative P20 Children's Center to undertake a more robust prospective assessment of the relationship between exposure to a select mixture of EDCs (phthalates, BPA, lead, and cadmium) and the tempo of physical growth and timing of sexual maturation in a long-standing longitudinal cohort study in Mexico.
- P50ES026049 (PI: Alshawabkeh, A; Role: Project 3 PI) 09/01/15-08/31/19
NIH/NIEHS; USEPA \$4,999,500
Center for Research on Early Childhood Exposure and Development in Puerto Rico (CRECE);
Project 3 (PI: Meeker, JD) \$931,000
Biomarker Epidemiology of In Utero Environmental Exposures and Child Development
The proposed project will leverage an ongoing pregnancy cohort study in Puerto Rico (P42ES017198) to follow 600 children born into the cohort through the age of 4 years. Our specific aims are to 1) Investigate the association between prenatal exposure to environmental phenols and parabens, pregnancy outcomes and child development; 2) Explore biological mechanisms that may mediate these relationships; 3) Test effect modification by a range of susceptibility factors, including socioeconomic status, maternal stress, and preterm birth; and 4) develop and apply innovative statistical approaches to explore fetal/child development effects of early-life exposure to multi-pollutant mixtures.
- UG3OD023251 (PI: Alshawabkeh; Role: subcontract PI) 09/01/16-08/31/18
NIH (ECHO) \$2,500,000
Environmental Influences on Child Health Outcomes in Puerto Rico \$796,900 (sub)
We propose to leverage and build upon an active birth cohort in Puerto Rico ("PROTECT", P42ES017198) that has recently initiated infant/child follow-up ("CRECE", P50ES026049). ECHO-PRO will provide data and biospecimens for 570 mother-child pairs already participating in the PROTECT/CRECE cohort, as well as recruit an additional 1100 pregnant women, yielding 990 more children, for a total of 1560 mother-child pairs with data and biospecimens to be integrated into the ECHO Consortium. The UG3 phase will lay the foundation for the 5-year UH3 phase to begin in 2018.
- Electric Power Research Institute (PI: Meeker, JD) 01/01/14-12/31/18
EPRI \$435,000
Magnetic Field Exposure, Fertility, and Pregnancy
This study will recruit women attempting to become pregnant to wear real-time EMF exposure monitors and activity monitors before and after conception prior to explore the relationship between EMF exposure and miscarriage. This study is also designed to enable the exploration of the relationships between pregnancy, activity levels, and average and peak EMF exposure levels.
- P30 NIEHS Center (PI: Loch-Caruso, R; Role: Exposure Core Co-Leader) 03/01/11 – 03/31/21
NIEHS, NIH \$12,200,000
Lifestage Exposures and Adult Disease
The University of Michigan-NIEHS Center will bring together basic and translational scientists from multiple disciplines into a partnership focused on the Center's theme. Our overall mission is to promote new translational research using novel multi-disciplinary approaches to better understand the impact of environmental exposures on risk of adult chronic disease through mechanisms involving epigenetic modifications during vulnerable stages of life.
- R21ES025456 (MPI: Dolinoy, D & Lozoff B; Role: Co-Investigator) 09/01/14-08/31/16

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NIH	\$235,000
Environmental Exposures in Early Life: Epigenetics and Neurodevelopment Epigenetic effects are reported for prenatal environmental exposures such as lead (Pb), pesticides, bisphenol A, and stress and nutrient deficiencies, such as folate or iron deficiency (ID). Most studies consider single exposures. However, exposure to mixtures of environmental toxicants, nutrient deficiencies or harmful dietary additives, and stressors is common. This pilot study will explore epigenetic changes and neurodevelopmental outcome with real-life prenatal exposures (mixtures of pesticides, Pb, and ID) in two ongoing cohort studies of child neurodevelopment in China.	
R01ES024732 (PI: Song, P; Role: Co-investigator)	09/01/15-06/30/19
NIH	\$1,294,000
Statistical Methods to Assess Early Life Environmental Exposures on Child Health Substantially motivated by analytic needs from two major NIH funded P01 projects which are collecting large amounts of data, this project develops a set of novel statistical models and efficient algorithms to evaluate, interpret, and predict impacts of early life exposures to environmental risk factors on children health and developmental outcomes.	
R01ES024223 (PI: Park, SK; Role: Co-investigator)	07/01/15-06/30/20
NIH/NIEHS	\$3,355,000
Exposure to Multipollutants and Obesity, Type-2 Diabetes and Metabolic Syndrome The impact of environmental pollutants on metabolic diseases needs to be evaluated more broadly and systematically in a well-established, longitudinal cohort with long-term follow-up, and when considering the real-world scenario of exposure to mixtures. The goal of this project is to better understand how exposure to multiple pollutants in real-life impacts the risks of developing T2DM, obesity, and MetS.	
R01DK102678 (PI: James-Todd, T; Role: Co-investigator)	07/01/15-06/30/19
NIH/NIDDK	\$2,520,000
Phthalates, Gestational Diabetes, and Markers of Future Type 2 Diabetes Risk in Women Recent research has shown an association between higher urinary phthalate concentrations and type 2 diabetes risk in non-pregnant women. To our knowledge no studies have evaluated this association during the sensitive periods of pregnancy and post-pregnancy to determine whether higher phthalate levels might increase the risk of gestational diabetes, with implications for future risk of type 2 diabetes.	
T32ES007062 (Loch-Carusio, R. Role: Associate Director)	07/01/15 – 06/30/20
NIEHS, NIH	\$2,200,000
Environmental Toxicology and Epidemiology Pre/Post-Doctoral Research Training The major goal of this training program is to train future leaders in environmental health sciences by providing transdisciplinary research training that bridges environmental mechanistic toxicology and environmental molecular epidemiology with applications to human disease prevention.	
T42 OH008455-04 (PI: Batterman, S; Role: IH Core Faculty)	07/01/13 – 6/30/18
NIOSH	\$8,575,000
The University of Michigan Education and Research Center – Industrial Health Core Training grant for graduate-level education in occupational health, with core curricula in industrial hygiene, occupational and environmental epidemiology, occupational safety engineering and ergonomics, occupational health nursing, and continuing education.	

Completed:

R01 ES018872 (PI: Meeker, JD)	07/01/10-06/30/16
NIEHS, NIH	\$2,780,000

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Bisphenol A and Phthalate Exposure in Relation to Fetal Growth and Preterm Birth

This study will assess environmental risk factors for adverse effects on fetal growth and preterm birth from a recently completed cohort study of over 1000 live birth singletons in the Boston area. The study will utilize state-of-the-art methods for measuring urinary BPA and phthalate concentrations, and for assessing molecular epidemiologic mechanistic pathway markers (oxidative stress, inflammation and endocrine disruption) and markers of individual susceptibility in biological samples collected during each trimester of pregnancy.

P20 ES018171 (PI: Peterson, K; Role: Project 2 PI) 12/01/09 – 08/15/14
NIEHS, NIH; USEPA \$2,095,000

Center Title: Perinatal Exposures, Epigenetics, Child Obesity & Sexual Maturation

The University of Michigan Children's Environmental Health Center seeks to understand the mechanisms by which adverse exposures *in utero* affect physical growth in early and mid-childhood and tempo of maturation. Project 2 ("Impacts of Life-Stage Exposures to BPA and Phthalates on Growth and Development") of the P20 Formative Center will assess BPA and phthalate levels in urine samples collected during pregnancy from 150 women in an ongoing 15-year longitudinal cohort study and from their adolescent children to assess relationships between exposure and birth outcomes, child weight gain/status, hormone levels, and stages of sexual maturation.

Pilot/Feasibility Study (PI: Meeker, JD) 11/31/11 – 12/31/13
EPRI (Electric Power Research Institute) \$118,000

Exposure to Electromagnetic Fields (EMF) and Risk of Miscarriage

This study will test the feasibility of recruiting women attempting to become pregnant to wear real-time EMF exposure monitors and activity monitors before and after conception prior to conducting a full 5-year study of the relationship between EMF exposure and miscarriage. This pilot study is also designed to optimize assessment tools to enable the exploration of the relationships between pregnancy, activity levels, and average and peak EMF exposure levels in the future study.

R01 DC010827 (PI: McCullough, M; Role: Co-Investigator) 01/01/11 – 12/31/14
NIDCD, NIH \$1,515,000

Effectiveness of an Intervention to Prevent Hearing Loss among Farmers

The purpose of this project is to compare the effectiveness of several approaches to influencing HPD use among farmers. The goals of this study are to further develop an intervention to promote farmers' use of HPDs, and compare the effectiveness of the developed intervention with two alternative approaches influencing HPD use behavior, delivered in various combinations. This study will determine if significant change in HPD use can be achieved in one-shot web-based or HPD-supply intervention.

PA-09-130 (PI: Duffy, S; Role: Co-Investigator) 07/01/11-06/30/13
NCI \$140,000

A Randomized Control Trial of a Smoking Intervention for Operating Engineers

The major goals of this project are to test the effectiveness of intervention strategies to reduce smoking among an at-risk group.

U54 OH008307-04 (PI: Stafford, E; Role: Consultant) 08/01/04-08/31/14
NIOSH (Center for Construction Research & Training, Prime)

Adoptions of Innovations to Minimize Exposure to Dusts and Fumes in Construction (AIMS)

Involves the identification and evaluation of equipment and tools designed to reduce exposure to silica, manganese, hexavalent chromium, and other agents, as well as activities to improve adoption of these technologies in construction. Information on effective controls will be integrated into construction through hazard prevention programs developed with input from industry representatives.

R01 ES013967-01A1 (PI: Hauser, R; Role: Subcontract PI) 11/01/06 - 10/31/10

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NIEHS, NIH (Harvard University, Prime)	\$2,133,000 (prime)
Maternal Pesticide Exposure and Pregnancy Outcomes	\$182,000 (sub)
This study will explore the reproductive and developmental toxicity of organochlorines in women undergoing in vitro fertilization (IVF), which can be used as a model for the assessment of the early stages of development, normally unobservable.	
Young Clinical Scientist Award (PI: Meeker, JD)	07/01/05 - 6/30/11
Flight Attendants Medical Research Institute (FAMRI)	\$525,000
Maternal Exposure to Environmental Tobacco Smoke and Pregnancy Outcomes	
This epidemiologic study will utilize information already collected from 2500 couples that participated in a completed study of factors influencing IVF treatment success. The proposed study will use utilize a biological marker of nicotine (cotinine) in urine and follicular fluid samples to estimate maternal exposure to tobacco smoke. Exposure estimates will be used along with IVF outcomes from each couple to investigate associations between ETS exposure and female fertility, embryo development, and adverse birth outcomes.	
R01 ES007821-09S1 (PI: Hu, H; Role: Co-investigator)	7/1/2008 – 6/30/2011
NIEHS, NIH	\$123,000
Fetal Lead Exposure, Genes, and Neurodevelopment	
This award supports a student as a Research Supplement to promote diversity in health-related research programs. The supplement aims to add a pesticide exposure component to the ongoing study of exposure to metals, pregnancy outcomes, and child neurodevelopment.	
Institute for Clinical & Health Research Pilot Grant Program (PI: Meeker, JD)	8/01/09-7/31/10
University of Michigan Medical School	\$35,000
Pesticide Exposure among an Infant Neurodevelopment Cohort in a Chinese Agricultural Region	
In this pilot study we are conducting a detailed exposure assessment within a large ongoing epidemiological study taking place in a Chinese agricultural region with heavy pesticide use. Along with other measures of exposure, the study utilizes biomarkers of pesticides that are commonly used in both China and the U.S.	
EHS Pilot Research Program (PI: R. Caruso; Role: Co-investigator)	07/01/07 – 06/30/08
U of M, Department of Environmental Health Sciences	\$20,000
Phthalates, Inflammation and Preterm Birth	
U of M Tobacco Research Network (Subcontract PI: Meeker, JD)	09/01/06 – 08/31/07
American Legacy Foundation / University of Michigan	\$50,000
Active, In Utero, and Environmental Exposure to Tobacco Smoke and Male Reproduction	
Considering potential confounding variables, we will develop exposure indices for each of three exposure scenarios (active smoking, tobacco exposure in utero, and recent ETS exposure) and explore associations with intermediate measures of male reproduction (semen quality, sperm DNA damage, and hormone levels) among a group of over 600 men that have been enrolled into an ongoing epidemiologic study.	
NIH Roadmap Disparities Center Pilot Program (Co-PI: Meeker, JD)	07/01/06 - 12/31/06
U of M OB/GYN	\$15,000
Inflammatory Pathway: Assessing Distribution of Toxicant Exposure	
This is a pilot study of the National Health and Nutrition Examination Survey (NHANES) database. The objective of the pilot study is to identify racial disparities of toxicant exposure from the NHANES database. Using standard statistical approaches, we are analyzing the NHANES database for distribution of exposures by race for women of childbearing age. Once completed, this information will provide justification for selection of toxicants for the final Center proposal.	

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Pending:

R01ES018872 (PI: Meeker, JD)
NIH/NIEHS

09/01/16-08/31/21
\$3,849,000

Environmental Exposure to Mixtures in Relation to Fetal Growth and Preterm Birth

The major goals of this renewal are to 1) replicate findings from the previous study period in a validation sample; 2) improve the precision of risk estimates; 3) explore specific periods of exposure susceptibility in pregnancy; 4) investigate associations between exposure to another class of chemicals (PAH); 5) apply innovative statistical techniques to investigate the impact of exposure to chemical mixtures on pregnancy; and 6) explore oxidative stress as a mechanism that mediates the relationships between chemical mixtures and adverse pregnancy outcomes.

Peer-Reviewed Articles

1. Johns LE, Ferguson KK, **Meeker JD**. Relationships between urinary phthalate metabolite and bisphenol A concentrations and vitamin D levels in U.S. adults: National Health and Nutrition Examination Survey (NHANES), 2005-2010. *J Clin Endocrinol Metabol*, In Press. PMID 27648964
2. Aker AM, Watkins DJ, Johns LE, Ferguson KK, Soldin OP, Anzalota Del Toro LV, Alshwabkeh AN, Cordero JF, **Meeker JD**. Phenols and parabens in relation to reproductive and thyroid hormones in pregnant women. *Environ Res*, 2016; 151:30-37. PMID 27448730
3. Lewis RC, Johns LE, **Meeker JD**. Exploratory analysis of the potential relationship between urinary molybdenum and bone mineral density among adult men and women from NHANES 2007-2010. *Chemosphere*, In Press. PMID 27639340
4. Johns LE, Ferguson KK, McElrath TF, Mukherjee B, **Meeker JD**. Associations between repeated measures of maternal urinary phthalate metabolites and thyroid hormone parameters during pregnancy. *Environ Health Perspect*, In Press. PMID 27152641
5. Ferguson KK, Cantonwine DE, McElrath TF, Mukherjee B, **Meeker JD**. Repeated measures analysis of associations between urinary bisphenol A concentrations and biomarkers of inflammation and oxidative stress in pregnancy. *Reprod Toxicol*, 2016; 66:93-98.
6. Goodrich JM, Dolinoy DC, Sanchez BN, Zhang Z, **Meeker JD**, Mercado-Garcia A, Solano-Gonzalez M, Hu H, Tellez-Rojo MM, Peterson KE. Adolescent epigenetic profiles and environmental exposures from early life through peri-adolescence. *Environ Epigenet*, In Press.
7. Yuan Y, **Meeker JD**, Ferguson KK. Serum polybrominated diphenyl ether (PBDE) concentrations in relation to biomarkers of oxidative stress and inflammation: NHANES 2003-2004. *Sci Total Environ*, In Press.
8. Ferguson KK, Chen YH, VanderWeele TJ, McElrath TF, **Meeker JD**, Mukherjee B. Mediation of the relationship between maternal phthalate exposure and preterm birth by oxidative stress with repeated measures across pregnancy. *Environ Health Perspect*, In Press. PMID 27352406
9. Cantonwine DE, **Meeker JD**, Ferguson KK, Mukherjee B, Hauser R, McElrath TF. Urinary concentrations of bisphenol A and phthalate metabolites measured during pregnancy and risk of preeclampsia. *Environ Health Perspect*, 2016; 124(10):1651-1655. PMID 27177253

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10. Venkatesh KK, Cantonwine DE, Ferguson KK, Arjona M, **Meeker JD**, McElrath TF. Inflammatory and oxidative stress markers associated with decreased cervical length in pregnancy. *Am J Reprod Immunol*, In Press. PMID 27476489
11. James-Todd TM, **Meeker JD**, Huang T, Hauser R, Ferguson KK, Rich-Edwards JW, Seely EW, McElrath TF. Pregnancy urinary phthalate metabolite concentrations and gestational diabetes risk factors. *Environ Int*, 2016; 96:118-126. PMID 27649471
12. Sturza J, Silver MK, Xu L, Li M, Mai X, Xia Y, Shao J, Lozoff B, **Meeker JD**. Prenatal exposure to multiple pesticides is associated with auditory brainstem response at 9 months in a cohort study of Chinese infants. *Environ Int*, 2016; 92-93:478-485. PMID 27166702
13. Silver MK, Li X, Mai X, Liu Y, Li M, Kaciroti N, Kileny P, Tardif T, Lozoff B, **Meeker JD**. Low-level prenatal lead exposure and infant sensory function. *Environ Health*, 2016; 15(1):65. PMID 27266277
14. Ferguson KK, **Meeker JD**, Cantonwine DE, Chen YH, Mukerjee B, McElrath TF. Urinary phthalate metabolite and bisphenol A associations with ultrasound and delivery indices of fetal growth. *Environ Int*, 2016; 94:531-537. PMID 227320326
15. Chen YH, Ferguson KK, VaderWeele T, **Meeker JD**, Mukherjee B. Mediation formula for binary outcome and time-varying exposure and mediator accounting for possible exposure-mediator interaction. *Am J Epidemiol*, 2016; 184(2):157-159. PMID 27325886
16. Moynihan M, Peterson KE, Cantoral A, Song PXX, Jones A, Solano-Gonzalez M, **Meeker JD**, Basu N, Tellez-Rojo MM. Dietary predictors of urinary cadmium among pregnant women and children. *Sci Total Environ*, In Press.
17. Watkins DJ, Milewski S, Domino SE, **Meeker JD**, Padmanabhan V. Maternal phthalate concentrations during early pregnancy and at delivery in relation to gestational age and size at birth: A preliminary analysis. *Reprod Toxicol*, 2016; 65:59-66. PMID 27352641
18. Ferguson KK, Colacino JA, Lewis RC, **Meeker JD**. Personal care product use among adults in NHANES: associations between urinary phthalate metabolites and phenols and use of mouthwash and sunscreen. *J Expo Sci Environ Epidemiol*, In Press. PMID 27168391
19. Kasper-Cusick N, Peterson KE, Sanchez B, Ferguson KK, Zhang Z, Cantoral A, **Meeker JD**, Tellez-Rojo MM, Ettinger AS. Association of bisphenol A exposure on breastfeeding and perceived insufficient milk supply in Mexican women. *Matern Child Health J*, 2016; 20(8):1713-1719. PMID 27150949
20. Watkins DJ, Fortenberry GZ, Sanchez BN, Barr DB, Panuwet P, Schnaas L, Osorio-Valencia E, Solano-Gonzalez M, Ettinger AS, Hernandez-Avila M, Hu H, Tellez-Rojo MM, **Meeker JD**. Urinary 3-phenoxybenzoic acid (3-PBA) levels among pregnant women in Mexico City: Distribution and relationships with child neurodevelopment. *Environ Res*, 2016; 147:307-313. PMID 26922411
21. Silver MK, Shao J, Chen M, Xia Y, Lozoff B, **Meeker JD**. Distribution and predictors of pesticides in the umbilical cord blood of Chinese newborns. *Int J Environ Res Public Health*, 2015; 13(1):E94. PMID 26729147
22. Johns LE, Cooper GS, Galizia A, **Meeker JD**. Exposure assessment issues in epidemiology studies of phthalates. *Environ Int*, 2015; 85:27-39. PMID 26313703

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23. Ferguson KK, McElrath TF, Mukherjee B, Loch-Carusio R, **Meeker JD**. Maternal phthalate exposure in relation to inflammation using repeated biomarker measurements across pregnancy. *PLoS One*, 2015; 10(8):e0135601. PMID 26317519
24. Watkins DJ, Ferguson KK, Anzalota Del Toro L, Alshawabkeh A, Cordero JF, **Meeker JD**. Associations between urinary phenol and paraben concentrations and markers of oxidative stress and inflammation among pregnant women in Puerto Rico. *Int J Hyg Environ Health*, 2015; 218(2):212-219. PMID 25435060
25. Lewis RC, Hauser R, Maynard AD, Neitzel RL, Wang L, Kavet R, **Meeker JD**. Exposure to power-frequency magnetic fields and the risk of infertility and adverse pregnancy outcomes: update on the human evidence and recommendations for future study designs. *J Toxicol Environ Health B Crit Rev*, 2016; 19(1):29-45. PMID 27030583
26. Johns LE, Ferguson KK, Soldin OP, Cantonwine DE, Rivera-Gonzalez LO, Anzalota Del Toro L, Calafat AM, Ye X, Alshawabkeh A, Cordero JF, **Meeker JD**. Urinary phthalate metabolites in relation to maternal serum thyroid and sex hormone levels during pregnancy: a longitudinal analysis. *Reprod Biol Endocrinol*, 2015; 13(1):4. PMID 25596636
27. Watkins DJ, **Meeker JD**, Ferguson KK, Tellez-Rojo MM, Peterson KE. Relating phthalate and BPA exposure to metabolism in peripubescence: the role of exposure timing, sex, and puberty. *J Clin Endocrinol Metabol*, 2016; 101(1):79-88. PMID 26529628
28. Cantonwine DE, Ferguson KK, Mukherjee B, Chen YH, Smith NA, Robinson JN, **Meeker JD**, McElrath TF. Utilizing Longitudinal measures of fetal growth to create a standard method to assess the impacts of maternal disease and environmental exposure. *PLoS One*, 2016; 11(1):e0146532. PMID 26731406.
29. James-Todd TM, **Meeker JD**, Huang T, Hauser R, Seely EW, Ferguson KK, Rich-Edwards JW, McElrath TF. Racial and ethnic variations in phthalate metabolite concentration changes across full-term pregnancies. *J Expo Sci Environ Epidemiol*, In Press. PMID 26860587
30. Lewis RC, Hauser R, Maynard AD, Neitzel RL, Wang L, Kavet R, **Meeker JD**. Personal measures of power-frequency magnetic field exposure in men recruited at an infertility clinic: distribution, temporal variability, and correlation with their female partners' exposure. *Radiat Prot Dosimetry*, 2015; In Press. PMID 26705359
31. Lewis RC, Cantonwine DE, Anzalota Del Toro L, Calafat AM, Valentin-Blasini L, Davis MD, Monesano MA, Alshawabkeh AN, Cordero JF, **Meeker JD**. Distribution and determinants of urinary biomarkers of exposure to organophosphate insecticides in Puerto Rican pregnant women. *Sci Total Environ*, 2015; 512-513C:337-344. PMID 25634738
32. Cantonwine DE, Ferguson KK, McElrath TF, **Meeker JD**. Variability of urinary bisphenol A levels during pregnancy and risk of preterm birth. *Environ Health Perspect*, 2015; 123:895-901. PMID 2581860
33. Lewis, RC, Hauser R, Wang L, **Meeker JD**. Personal magnetic field exposure and physical activity in women from an infertility clinic: association with physical activity and temporal variability. *Radiat Prot Dosimetry*, 2016; 168(4):478-488. PMID 26152565.
34. Figueroa ZI, Young HA, **Meeker JD**, Martinies SE, Barr DB, Gray G, Perry MJ. Dialkyl phosphate urinary metabolites and chromosomal abnormalities in human sperm. *Environ Res*, 2015; 143(Pt A):256-265. PMID 26519831
35. Hauser R, Gaskins AJ, Souter I, Smith KW, Dodge L, Ehrlich S, **Meeker JD**, Calafat AM, Williams PL. Association of urinary phthalate metabolite concentrations with pregnancy

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outcomes among women from a fertility center. *Environ Health Perspect*, In Press. PMID 26545148

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145. **Meeker JD**, Barr D, Bennett D, Ryan L, Herrick R, Hauser R. Temporal variability of urinary levels of nonpersistent insecticides in adult men. *J Expo Anal Environ Epidemiol*, 2005; 15(3):271-81. PMID: 15340359
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149. Hauser R, **Meeker JD**, Park S, Calafat A. Temporal variability of urinary phthalate metabolite levels in men of reproductive age. *Environ Health Perspect*, 2004; 112(17):1734-40. PMID: 15579421
150. Herrick RF, McClean MD, **Meeker JD**, Baxter L, Weymouth G. An unrecognized source of PCB contamination in schools and other buildings. *Environ Health Perspect*, 2004; 112:1051-1053. PMID: 15238275
151. Dennerlein JT, **Meeker JD**. Occupational injuries among Boston bicycle messengers. *Am J Ind Med*, 2002; 42:519-525. PMID: 12439875

Peer-Reviewed Book Chapters

152. **Meeker JD**, Smith TJ. Environmental and occupational hygiene. In: Levy BS, Wegman DH, Baron SL, Sokas RK (eds.) Occupational and Environmental Health: Recognizing and Preventing Disease and Injury. 7th Edition. Oxford University Press, Oxford, UK: In Press.
153. Silver MK, **Meeker JD**. Endocrine disruption of developmental pathways and children's health. In: Darbre PD (ed.) Endocrine Disruption and Human Health. Elsevier Ltd, Oxford, UK: 2015.
154. Ferguson KK, **Meeker JD**. The Role of Environmental Exposures in Preterm Birth. In: Hughes C, Waters M (eds.) Translational Toxicology: Defining a New Therapeutic Discipline, Springer, London, 2016.
155. **Meeker JD**, Ferguson KK. Male Reproductive Tract Disorders. In: Weiss B (ed). Aging and Vulnerability to Environmental Chemicals. Royal Society of Chemistry. Cambridge, UK: 2012.
156. **Meeker JD**, Ferguson KK. Phthalates: Human exposure and related health effects. In: Schecter A (ed). Dioxins and Health – Including Other Persistent Organic Pollutants and Endocrine Disruptors, Third Edition. John Wiley & Sons, Hoboken, NJ: 2012.
157. Epstein B, **Meeker JD**, Susi P, McInnis CJ, Platner J. Industrial hygiene issues in construction. In: The Occupational Environment – Its Evaluation and Control, 3rd Edition. AIHA Press, Fairfax, VA: 2011.
158. **Meeker JD**, Boas M. Pesticides and thyroid hormones. In: Nriagu J (ed.) Encyclopedia of Environmental Health. Elsevier Ltd, Oxford, UK: 2011.

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159. Smith TJ, **Meeker JD**. Environmental and occupational hygiene. In: Levy BS, Wegman DH, Baron SL, Sokas RK (eds.) Occupational and Environmental Health: Recognizing and Preventing Disease and Injury, 6th Edition. Oxford University Press, Oxford, UK: 2011.
160. **Meeker JD**, Hauser R. Environmental contaminant exposure and male reproductive health: Adult exposure and effects on fertility. In: Woodruff TJ, Janssen S, Guillette L, Giudice L (eds.) Environmental Impacts on Reproductive Health and Fertility. Cambridge University Press, Cambridge, UK: 2010.
161. Zoeller RT, **Meeker JD**. The thyroid system and its implications for reproduction. In: Woodruff TJ, Janssen S, Guillette L, Giudice L (eds.) Environmental Impacts on Reproductive Health and Fertility. Cambridge University Press, Cambridge, UK: 2010.
162. **Meeker JD**. Human epidemiologic studies of exposure to EDCs and altered hormone levels. In: Shaw I (ed.) Endocrine Disrupting Chemicals in Food. Woodhead Publishing, Cambridge, UK: 2009.
163. Hauser R, **Meeker JD**. Epidemiologic studies on the relationship between semen quality and environmental chemicals: Historic and contemporary compounds. In: Nicolopoulou-Stamati P, Hens L, Howard CV (eds). Reproductive Health and the Environment. Springer, Berlin: 2007.
164. Hauser R, Barthold J, **Meeker JD**. Epidemiologic evidence on the relationship between environmental endocrine disruptors and male reproductive and developmental health. In: Gore AC (ed.). Endocrine-disrupting Chemicals: From Basic Research to Clinical Practice. Humana Press, Totowa, NJ: 2007.

Manuscripts Submitted:

165. Yang T, Peterson KE, **Meeker JD**, Sanchez BN, Zhang Z, Cantoral A, Tellez-Rojo MM. Bisphenol a and phthalate urinary concentrations in utero and in adolescence: associations with weight status and adiposity differ by sex. Submitted.
166. Yu X, Ghasemizadeh R, Torres NI, Echevarria PT, Cotto I, Padilla IY, Kaeli D, **Meeker JD**, Cordero JF, Alshawabkeh A. Patterns of phthalates in karst aquifers of Northern Puerto Rico. Submitted.
167. Rivera LO, Cantonwine DE, Basu N, Mukherjee B, Anzalota Del Toro LV, Crespo N, Jimenez-Velez B, Alshawabkeh A, Cordero JF, **Meeker JD**. Blood Concentrations of Toxic Metals among Pregnant Women in Northern Puerto Rico. Submitted.
168. Perng W, Watkins DJ, **Meeker JD**, Tellez-Rojo MM, Peterson KE. Relations of in utero and concurrent BPA and phthalate exposure with lipid profile among peripubertal Mexican youth. Submitted.
169. Carignan CC, Mínguez-Alarcon L, Butt CM, Williams PL, **Meeker JD**, Stapleton HM, Toth TL, Ford JB, Hauser R, the EARTH Study Team. Urinary concentrations of organophosphate flame retardant metabolites and pregnancy outcomes among women undergoing *in vitro* fertilization. Submitted.
170. Goodrich JM, Burmeister M, Shao J, Xu L, Xia Y, Silver MK, **Meeker JD**, Dolinoy DC, Lozoff B. Newborn cord blood epigenomic profiles are associated with neonatal iron deficiency and toxicant exposures in a pilot sample from a Chinese birth cohort. Submitted.

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171. Johns LE, Ferguson KK, McElrath TM, Mukherjee B, Seely EW, **Meeker JD**. Longitudinal profiles of thyroid hormone parameters in pregnancy and associations with preterm birth. Submitted.
172. Johns LE, Ferguson KK, McElrath TF, Mukerjee B, Seely EW, **Meeker JD**. Exposure to phthalates in pregnancy is associated with altered maternal plasma vitamin D levels. Submitted.
173. Ferguson KK, **Meeker JD**, McElrath TF, Mukherjee B, Cantonwine DE. Repeated measures of inflammation and oxidative stress biomarkers in preeclamptic and normotensive pregnancies. Submitted.
174. Ferguson KK, Mendes de Leon CF, Rozek LS, **Meeker JD**, Colacino JA. Combined heavy metal distributions by race, urban/rural residence, age, and time: an NHANES analysis from 2003-2010. Submitted.
175. Lewis RC, Minguez-Alarcon L, **Meeker JD**, Williams PL, Mezei G, Ford JB, Hauser R, EARTH Study Team. Self-reported mobile phone use and semen quality parameters among men from a fertility clinic. Submitted.
176. Carignan CC, Butt C, Stapleton HM, **Meeker JD**, Minguez-Alarcon, Williams P, Hauser R. Influence of storage vial material on measurement of organophosphate flame retardant metabolites in urine. Submitted.
177. Panuwet P, Ladva C, Barr DB, Prapamontol T, **Meeker JD**, D'Souza P, Ryan PB, Robson MG. Pilot investigation of exposures to pesticides and testosterone levels in Thai farmers. Submitted.
178. Kennedy S, **Meeker JD**, Franzblau A, Morishita M. Particulate matter exposure assessment of Army mechanics in mechanized and non-mechanized motor pools with vehicles and equipment operating on Jet Propellant 8 fuel. Submitted.
179. Yang T, Peterson KE, **Meeker JD**, Sanchez BN, Zhang Z, Cantoral A, Tellez-Rojo MM. Differences in BMI and height trajectories of males and females associated with *in utero* urinary concentrations of bisphenol A and phthalate metabolites. Submitted.
180. Chang C, Chen M, Gao J, Luo J, Wu K, Dong T, Zhou K, He X, Hu W, Wu W, Lu C, Hang B, **Meeker JD**, Wang X, Xia Y. Pesticide profiles in human blood serum: a study in the Chinese population and a comprehensive review of data from the literature. Submitted.
181. Cantonwine DE, **Meeker JD**, Cordero JF, Seldin ML, McElrath TF. Shifting gestational age distributions among singleton births in Puerto Rico: 1994-2009. Submitted.
182. Chavarro JE, Watkins DJ, Afeiche M, Zhang Z, Sanchez BN, Cantonwine D, Blank-Goldenberg C, Mercado-Garcia A, **Meeker JD**, Tellez-Rojo MM, Peterson KE. Validation of self-assessed sexual maturation status using the method of triads. Submitted.
183. Watkins DJ, Sanchez BN, Tellez-Rojo MM, Lee JM, Mercado-Garcia A, Blank-Goldenberg C, Peterson KE, **Meeker JD**. In utero windows of susceptibility to phthalate and BPA exposure: Impact of exposure timing on steroid hormones and sexual maturation in peripubertal males. Submitted.
184. Aung MT, Johns LE, Ferguson KK, Mukherjee B, McElrath TF, **Meeker JD**. Thyroid hormone parameters during pregnancy in relation to urinary bisphenol A concentrations: a repeated measures study. Submitted.

Abstracts, Letters and Commentary Appearing in Peer-Reviewed Journals

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- A1. Cantonwine DE, **Meeker JD**, Ferguson KK, Wilkins-Haug LE, Messerlian-Lambert G, McElrath TF. Urinary phthalates increase PAPP-A levels in early pregnancy. *Am J Obstet Gynecol*, 2016; 214(1):S394.
- A2. Venkatesh KK, Cantonwine DE, Ferguson KK, Arjona M, **Meeker JD**, McElrath TF. Inflammatory and oxidative stress markers associated with decreased cervical length in pregnancy. *Am J Obstet Gynecol*, 2016; 214(1): S425.
- A3. Cantonwine DE, Venkatesh KK, Ferguson KK, Jankowski M, **Meeker JD**, McElrath TF. Decreased cervical length in relation to phthalate levels during pregnancy. *Am J Obstet Gynecol*, 2016; 214(1):S101.
- A4. Ferguson KK, Cantonwine D, Chen YH, Ko Y, Mukherjee B, Doubilet PM, **Meeker JD**, McElrath TF. A method for examining the longitudinal trends in fetal growth using clinically available data. *Reproductive Sciences*, 2014; 21(3):197A.
- A5. Cantonwine DE, **Meeker JD**, Cordero JF, McElrath TF. Shifting gestational age distributions among singleton births in Puerto Rico: 1994-2009. *Reproductive Sciences*, 2014; 21(3):309A.
- A6. Ferguson KK, McElrath TF, Ko YA, Mukherjee B, **Meeker JD**. Sensitive windows of vulnerability to phthalate exposure for the risk of preterm birth. *Reproductive Sciences*, 2014; 21(3):86A.
- A7. Choi SH, Waltje AH, Ronis DL, Noonan D, Hong O, Richardson C, **Meeker JD**, Duffy SA. Randomized controlled trial of the Tobacco Tactics website versus 1-800-QUIT-NOW telephone line among operating engineers. *Tobacco Induced Diseases*, 2014; 12(suppl 1):A13.
- A8. Peterson KE, Dolinoy D, Burant C, Lee J, Sanchez B, Zhang Z, Yang TC, Goodrich J, Ettinger A, **Meeker JD**, Hu H, Solano M, Wang N, Tellez-Rojo MM. Association of lead exposure and untargeted metabolomics with BMI and hormones in adolescence. *FASEB J*, 2013; 27:1073.14.
- A9. James-Todd T, Saxena A, Brown F, **Meeker JD**, McElrath T, Rich-Edwards J. Association between phthalate metabolites in pregnancy and risk of gestational diabetes. *J Womens Health*, 2013; 22(10):890-891.
- A10. James-Todd T, Saxena A, **Meeker JD**, McElrath TF, Rich-Edwards J. Bisphenol A in pregnancy and risk of gestational diabetes. *J Womens Health*, 2013; 22(10):891.
- A11. Ferguson KK, **Meeker JD**. Relationships between urinary paraben levels and markers of oxidative stress. *Epidemiology*, 2012; 23(5S):S468.
- A12. Cordero JF, **Meeker JD**, Sheahan T, Padilla I, Giese R, Silevitch MB, Loch-Carusio R, Kaeli D, Alshwabkeh A. Case Study: Puerto Rico Testsite for Exploring Contamination Threats. *GeoCongress*, 2012; (225 GSP):3553-3562.
- A13. Ehrlich SR, **Meeker JD**, Williams PI, Wright D, Petrozza JC, Hauser R. Urinary metabolites of di(2-ethylhexyl) phthalate are associated with increased risk of implantation among women undergoing IVF. *Fertil Steril*, 2010; 94(4): S73.
- A14. Moulder J, Doyle J, **Meeker JD**, Souter I, Petrozza J. When is flexibility in follicular monitoring safest in IVF cycles? *Fertil Steril*, 2010; 94(4): S157.
- A15. Ghazal S, Doyle JO, **Meeker JD**, Souter IC, Petrozza JC. Sperm concentration in ovulation induction/intrauterine insemination cycles (OI/IUI): How high is too high? *Fertil Steril*, 2010; 94(4): S164.

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- A16. Padilla IY, **Meeker JD**, Alshawabkeh A, Cordero JF, Giese R, Loch-Carusio R. Development of Hydro-epidemiology studies to establish relationships between source-water contamination and preterm birth. *AGU Abstracts*, 2010; 1:0835.
- A17. **Meeker JD**, Diamond MP, Wirth JJ. Molybdenum exposure and semen quality: How robust is the evidence of an effect? Meeker et al. respond [correspondence]. *Environ Health Perspect*, 2009; 117(9):A387-8.
- A18. **Meeker JD**. Phthalates, phthalate metabolites and human endocrine function. *Drug Metab Rev*, 2009; 41(S3): 48.
- A19. Johnson PI, Stapleton HM, Hauser R, **Meeker JD**. Relationships between brominated flame retardant concentrations in house dust and serum levels in men. *Epidemiology*, 2009; 20(6): S163.
- A20. Fortenberry GZ, Meeker JD, Hu H, Calafat A, Sanchez B, Cantonwine D, LaMadrid-Figueroa H, Hernandez-Avila M. Preterm birth and bisphenol A concentrations in Mexico City: A pilot study. *Epidemiology*, 2009; 20(6): S175.
- A21. Rivera-Nunez Z, Meliker J, **Meeker JD**, Nriagu J. Urinary arsenic species, toenail arsenic, and estimates of arsenic intake in a Southeastern Michigan population with low to moderate exposure to arsenic in drinking water. *Epidemiology*, 2009; 20(6): S49.
- A22. Stapleton HM, Klosterhaus S, Eagle S, Fuh J, **Meeker JD**, Blum A, Watkins D, McClean MD, Webster TF. Identification of tris(1,3,-dichloro-2-propyl) phosphate and other organophosphate flame retardants in US indoor environments. *Organohalogen Compounds*, 2009;71:1566-69.
- A23. Petrozza JC, Chauhan A, **Meeker JD**. MRI Determined Uterine Wall Thickness in Pre- and Post-Menopausal Patients: A Guide for Safer Hysteroscopic Surgery. *J Minim Invasive Gynecol*, 2009; 16(6):S49-S50.
- A24. Petrozza JC, Lukasova T, **Meeker JD**. Myomectomies Performed by Open, Laparoscopic and Hysteroscopic Methods: Perioperative Predictors of Intraoperative Blood Loss. *J Minim Invasive Gynecol*, 2009; 16(6):S49-S50.
- A25. **Meeker JD**, Rossano MG, Protas B, Diamond MP, Puscheck E, Daly D, Paneth N, Wirth JJ. Relationships between cadmium, lead and other metals and semen quality: Human evidence for molybdenum as a male reproductive toxicant. *Epidemiology*, 2008; 19(6):S160-S161.
- A26. Souter I, Baltagi LM, **Meeker JD**, Petrozza JC. Elevated day-3 follicle-stimulating hormone (FSH) in women younger than 35 years: can it predict success in ovulation induction/intrauterine insemination (OI/IUI) cycles? *Fertil Steril*, 2008; 90(Suppl 1):S263.
- A27. Souter I, Baltagi LM, **Meeker JD**, Petrozza JC. Effect of body mass index (BMI) on the outcome of superovulation intrauterine insemination (IUI) cycles in women with normal ovarian reserve. *Fertil Steril*, 2008; 90(Suppl 1):S353.
- A28. Petrozza JC, Baltagi LM, **Meeker JD**, Souter I. Effects of initiation day and dose of clomiphene citrate (CC) on cycle parameters and pregnancy rates. *Fertil Steril*, 2008; 90(Suppl 1):S353.
- A29. Missmer S, Pearson K, Ryan L, **Meeker JD**, Cramer D, Hauser R. Methodological issues and statistical approaches to the analysis of multiple cycle data from couples undergoing in vitro fertilization (IVF). *Fertil Steril*, 2007; 88(Suppl 1):S123.

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- A30. **Meeker JD**, Barr D, Serdar B, Rappaport S, Hauser R. Utility of 1-naphthol and 2-naphthol levels to assess environmental carbaryl and naphthalene exposure in an epidemiology study. *Epidemiology*, 2006; 17(6):S301.
- A31. **Meeker JD**, Ryan L, Barr D, Herrick R, Bennett D, Hauser R. Contemporary use insecticides and human semen quality. *Epidemiology*, 2004; 15(4):S190.

Invited Talks and Other Presentations

- Meeker JD**, et al. Talk/Poster abstracts (9) from the 28th Conference of the International Society for Environmental Epidemiology (ISEE), September 1-4, 2016. Rome, Italy. <http://www.jrb-pro.com/isee2016/search.php>
- Meeker JD**. *Impact of Environmental Exposures on Reproductive Health*. Invited Talk, National Academies of Sciences, Engineering & Medicine, Board on the Health of Select Populations. June 16, 2016. Washington, DC.
- Meeker JD**. *Environmental Exposures among Pregnant Women in the Northern Karst Region of Puerto Rico*. Invited Talk, Karst Waters Institute, Karst and Public Health Conference, January 29, 2016. San Juan, Puerto Rico.
- Meeker JD**. *Impacts of Early-Life Exposure to Endocrine Disrupting Chemicals on Puberty*. Invited Talk, NIEHS/EPA Children's Centers Annual Meeting, October 29, 2015. Washington, DC.
- Meeker JD**. *Chemicals in Consumer Products: Human Exposure and Impacts on Reproduction and Development*. Invited Talk, University of Illinois Department of Comparative Biosciences. September 11, 2015. Champaign/Urbana, IL.
- Meeker JD**, et al. Talk/Poster Abstracts (5) from the 27th Conference of the International Society for Environmental Epidemiology (ISEE), August 30-September 3, 2015, Sao Paulo, Brazil. http://ehp.niehs.nih.gov/isee/isee2015/?fwp_2015_author_search=john%20meeker
- Meeker JD**. *An Evaluation of Commercially Available Portable Local Exhaust Ventilation for Welding Fumes in Construction: An Epilogue*. Podium Session Presentation. American Industrial Hygiene Conference and Expo (AIHCE), June 1, 2015. Salt Lake City, UT.
- Meeker JD**. *Phthalate Metabolites and Bisphenol A in Association with Circulating Angiogenic Biomarkers Across Pregnancy*. EPA/NIEHS Children's Center Webinar Series, The Role of the Placenta in Children's Development, May 20, 2015.
- Meeker JD**. *Chemicals in Consumer Products: Human Exposure and Impacts on Reproduction and Development*. Invited Talk, Health Canada, Ottawa, Ontario. March 11, 2015.
- Meeker JD**, et al. Talk/Poster Abstracts (11) from the Environment and Health Conference, International Society for Environmental Epidemiology (ISEE), August 24-28, 2014. Seattle, WA. <http://www.jrb-pro.com/isee/search.php>
- Meeker JD**. *Local Exhaust Ventilation (LEV) for Welding Evaluations*. Roundtable Presentation. American Industrial Hygiene Conference and Expo (AIHCE), June 4, 2014. San Antonio, TX.
- Meeker JD**. *Evaluation of the Lincoln XTractor LEV Unit to Control Welding Fume Exposures*. Invited Talk; Invited Talk; 18th CPWR/NIOSH Engineering Controls Work Group, April 23-24, 2014. Chicago, IL

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- Meeker JD.** *Do Endocrine Disrupting Chemicals Affect the Tempo of Maturation and Development of Obesity in Adolescence?* EPA/NIEHS Children's Centers Webinar, December 11, 2013.
- Meeker JD,** et al. Talk/Poster Abstracts (10) from the Environment and Health Conference, International Society for Environmental Epidemiology (ISEE), August 19-23, 2013. Basel, Switzerland. <http://ehp.niehs.nih.gov/ehbasel13/?s=meeker&submit=Search>
- Meeker JD.** *Impact of Environmental Exposures on Human Reproduction.* Invited Talk, Michigan Alliance for Reproductive Technologies and Sciences, 4th Annual Conference. May 10, 2013. Ann Arbor, MI.
- Meeker JD.** *Welding Fume Local Exhaust Ventilation (LEV) Controlled Study Test Results: the Trion AirBoss One-Man Portable LEV System.* Invited Talk; 17th CPWR/NIOSH Engineering Controls Work Group, April 8-9, 2013. Chicago, IL.
- Meeker JD.** *Environmental Exposures and Risk of Preterm Birth.* Invited Talk, 4th Puerto Rico Public Health Conference, March 20, 2013. San Juan, Puerto Rico.
- Ferguson KK, **Meeker JD.** *Relationships between urinary paraben levels and markers of oxidative stress and inflammation.* International Society for Environmental Epidemiology; Columbia, SC. Aug. 26-30, 2012.
- Meeker JD.** *Approaches and Benefits of Partnering with Academic Exposure Assessment Experts.* Session: "Reducing Uncertainty in the Semiconductor Industry via Employee Exposure Assessment". American Industrial Hygiene Conference and Expo (AIHCE), June 19, 2012. Indianapolis, IN.
- Meeker JD.** *Commercially Available Portable Local Exhaust Ventilation for Controlling Worker Exposures to Welding Fumes in Construction.* Session: "Implementing Engineering Controls in Construction." American Industrial Hygiene Conference and Expo (AIHCE), June 18, 2012. Indianapolis, IN
- Meeker JD.** *Early Life Exposures and Long-Term Health Consequences: PCE and Phthalates.* Invited Talk. NIEHS Superfund Program Risk e-Learning Internet Seminar. April 2, 2012.
- Meeker JD.** *Endocrine Disruptors: Sexy Stuff.* Invited "TED-Style" Talk, University of Michigan Department of Environmental Health Sciences 125th Anniversary Event, March 23, 2012. [<http://www.youtube.com/playlist?list=PLF87730C0E0C26FEA>]. Ann Arbor, MI.
- Meeker JD.** *Chemicals in Consumer Products: Human Evidence for Developmental and Reproductive Effects.* Invited Talk; University of Michigan Department of Environmental Health Sciences, Nov. 9, 2011. Ann Arbor, MI.
- Ferguson KK, Loch-Carusio R, **Meeker JD.** *Oxidative Stress and inflammatory markers in relation to urinary phthalate metabolites in NHANES.* Invited Talk; Annual NIEHS Superfund Research Program Meeting, Lexington, KY, October 23-26, 2011.
- Tellez-Rojo M, Cantoral A, Cantonwine DE, Schnaas L, Mercado A, Hu H, **Meeker JD.** *Prenatal phthalate exposure and neurodevelopment at 3 years of age (pilot study).* International Society for Environmental Epidemiology; Barcelona, Spain. Sep. 13-16, 2011.
- Fortenberry GZ, Hu H, Turyk M, Barr DB, **Meeker JD.** *Association between 3,5,6-trichloro-2-pyridinol, a metabolite of chlorpyrifos and chlorpyrifos-methyl, and serum thyroid hormones in NHANES 1999-2002.* International Society for Environmental Epidemiology; Barcelona, Spain. Sep. 13-16, 2011.

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- Ferguson KK, **Meeker JD**. *Relationships between urinary phthalate metabolites and potential biomarkers of inflammation and oxidative stress from NHANES 1999-2006*. International Society for Environmental Epidemiology; Barcelona, Spain. Sep. 13-16, 2011.
- Irizarry C, Torres N, Padilla I, Howard J, Rivera LO, **Meeker JD**. *Development of GIS Technologies for Assessment of Contamination and Exposure in The Northern Karst Aquifer of Puerto Rico*, Poster No. IGERT p3, CenSSIS Research and Industrial Collaboration Conference, Boston, MA, October 13, 2011.
- Meeker JD**. *Chemicals in Consumer Products: Human Exposure and Related Health Effects*. Invited Talk. Boston University, School of Public Health; April 29, 2011.
- Meeker JD**. *Reproductive and Developmental Studies of Phthalates and other Emerging Chemicals of Concern*. Invited Talk. University of Michigan, Center for Human Growth and Development; April 26, 2011.
- Meeker JD**. *Chemicals in Consumer Products: Human Exposure and Related Health Effects*. Invited Talk. Brown University, Program in Public Health; April 8, 2011.
- Rivera LO, Cordero JF, Cantonwine DE, Ferguson KK, **Meeker JD**. *PROTECT: Puerto Rico Testsite for Exploring Contamination Threats, Project 3: Phthalate exposure and molecular epidemiologic markers of preterm birth among women in Puerto Rico*. Superfund Research Program Annual Meeting, Nov. 11-12, 2010. Portland, OR.
- Meeker JD**. *Stainless Steel Welding in Construction: Hexavalent Chromium Exposure and Control*. Invited Talk; American Industrial Hygiene Conference and Expo (AIHCE), May 25, 2010. Denver, CO.
- Meeker JD**. *Human exposure to phthalates and other plastic additives and human endocrine Function*. Invited Talk; Wayne State University Institute of Environmental Health Sciences. May 13th, 2010. Detroit, MI.
- Meeker JD**. *Evaluation of Engineering Controls for Common Exposures in Construction*. Invited Talk; American Industrial Hygiene Association, Texas Hill Country Local Section, February 11, 2010. Austin, TX.
- Meeker JD**. *Phthalates, phthalate metabolites, and human endocrine function*. Invited Talk; International Society for the Study of Xenobiotics (ISSX), 16th North American Regional Meeting, Oct. 22nd, 2009. Baltimore, MD.
- Meeker JD**. *Human exposure to pesticides, plastic additives, and other chemicals: Concern for male reproductive health?* Invited Talk; Michigan State University Department of Epidemiology, Oct. 8th, 2009. East Lansing, MI.
- Stapleton HM, Klosterhaus S, Eagle S, Fuh J, **Meeker JD**, Blum A, Watkins D, McClean MD, Webster TF. *Identification of Tris(1,3-Dichloro-2-Propyl) Phosphate and Other Organophosphate Flame Retardants in U.S. Indoor Environments*. 29th International Symposium on Halogenated Persistent Organic Compounds (Dioxin 2009) August 23-28, 2009, Beijing, China.
- Meeker JD**. *Overview of welding processes, worker exposures and controls with an emphasis on construction*. Invited Talk; American Industrial Hygiene Conference and Expo (AIHCE), June 2, 2009. Toronto, Canada.
- Johnson PI, Stapleton HM, Hauser R, **Meeker JD**. *Relationships between brominated flame retardant concentrations in house dust and serum hormone levels in men*. Podium Session;

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11th Annual Workshop on Brominated Flame Retardants, May 19-20, 2009. Ottawa, Canada. (Ms. Johnson was also the winner of a student travel award given by the workshop)

Stapleton HM, Klosterhaus S, Fuh J, Eagle S, **Meeker JD**, Webster T. *Detection of chlorinated phosphate flame retardants in furniture foam and ambient measurements of phosphate flame retardants in US house dust*. Podium Session; 11th Annual Workshop on Brominated Flame Retardants, May 19-20, 2009. Ottawa, Canada.

Benedict M, **Meeker JD**. *Comparison of urinary and follicular fluid cotinine concentrations to assess secondhand tobacco smoke exposure in women attempting to become pregnant*. Poster; Annual FAMRI Symposium, May 11-13, 2009. Boston, MA.

Meeker JD. *Analysis of the impact of a Ventex system to control worker exposures to hexavalent chromium from welding fumes*. Invited Talk; 15th CPWR/NIOSH Engineering Controls Work Group, Mar. 26-27, 2009. Orlando, FL.

Meeker JD. *Human exposure to pesticides, plastic additives, and other environmental chemicals: Concern for male reproductive health?* Invited Talk; University of Michigan Department of Environmental and Water Resources Engineering, Mar. 19th, 2009. Ann Arbor, MI.

Susi P, **Meeker JD**. *The use of direct reading methods to evaluate and demonstrate the effectiveness of engineering controls in construction*. Invited Talk; NIOSH Direct-Reading Exposure Assessment Methods (DREAM) Workshop, Nov. 13-14, 2008. Washington, DC.

Petrozza JC, Baltagi LM, **Meeker JD**, Souter I. *Effects of initiation day and dose of clomiphene citrate (CC) on cycle parameters and pregnancy rates*. Poster; American Society for Reproductive Medicine, 63rd Annual Meeting, Nov. 10-13, 2008. San Francisco, CA.

Meeker JD. *Pesticides, plastics and the male: a tale of endocrine disruption*. Invited Talk; University of Michigan Department of Environmental Health Sciences, Oct. 29, 2008. Ann Arbor, MI.

Meeker JD, et al. *Lead, cadmium & other metals in relation to semen quality & hormones: Human evidence for molybdenum as a male reproductive toxicant*. Podium Presentation; Conference of the International Society for Environmental Epidemiology (ISEE), Oct. 12-16, 2008. Pasadena, CA.

Meeker JD. *EMF Exposure in pregnancy and miscarriage risk Innovative study design using assisted reproductive technologies (ART)*. Invited Talk; Annual Scientific Advisory Committee Meeting of the Electric and Power Research Institute, June 17, 2008. Dallas, TX.

Meeker JD, Calafat A, Hauser R. *Urinary metabolites of di(2-ethylhexyl) phthalate are associated with decreased steroid hormone levels in men*. Poster; Gordon Research Conference on Environmental Endocrine Disruption, June 8-13, 2008. Waterville Valley, NH.

Meeker JD, Susi P, Feldsher D. *An evaluation of local exhaust ventilation for reducing hexavalent chromium fumes during welding*. Podium Presentation; American Industrial Hygiene Conference and Expo (AIHCE), June 3, 2008. Minneapolis, MN.

Susi P, **Meeker JD**, Feldsher D, Smeak R. *The impact of ventilation and training on hexavalent chromium exposure among construction welders*. Podium Presentation; American Industrial Hygiene Conference and Expo (AIHCE), June 2, 2008. Minneapolis, MN.

Meeker JD. *Maternal exposure to secondhand tobacco smoke and pregnancy outcomes*. Invited Talk; 7th Annual Flight Attendant Medical Research Institute Scientific Symposium, May 12-14, 2007. Boston, MA.

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- Meeker, JD.** *Impact of environmental exposures on human semen quality and sperm DNA damage.* Invited Talk; NICHD Preconception Care Research Workshop: Improving Birth Outcomes and Reproductive Health, National Institutes of Health, April 14-15, 2008. Potomac, MD.
- Meeker JD,** Susi P, Feldsher D, Smeak R. *Hexavalent chromium exposure during welding: The influence of ventilation and process variables.* Invited Talk; 14th CPWR/NIOSH Engineering Controls Work Group, Jan. 31-Feb. 1, 2008. Orlando, FL.
- Susi P, **Meeker JD,** Feldsher D. *Impact of training on effective use of local exhaust ventilation for welding among pipefitters.* 14th CPWR/NIOSH Engineering Controls Work Group, Jan. 31-Feb. 1, 2008. Orlando, FL.
- Meeker JD.** *Human exposure to environmental pollutants and reproductive outcomes.* Invited Talk; Reproductive Sciences Program Seminar, University of Michigan, Oct. 18, 2007. Ann Arbor MI.
- Missmer S, Pearson K, Ryan L, **Meeker JD,** Cramer D, Hauser R. *Methodologic issues and statistical approaches to the analysis of multiple cycle data from couples undergoing in vitro fertilization (IVF).* Poster; American Society for Reproductive Medicine, 63rd Annual Meeting, Oct. 13-17, 2007. Washington, DC.
- Meeker JD,** Ravi S, Barr D, Hauser R. *Circulating estradiol in men is related to urinary metabolites of nonpersistent pesticides.* Poster; NIEHS/EPA Conference, Future Research on Endocrine Disruption: Translation of Basic and Animal Research to Understand Human Disease, Aug. 27-29, 2007. Durham, NC.
- Meeker JD,** Susi P, Flynn M. *Effectiveness of a portable local exhaust ventilation unit to reduce manganese and welding fume exposure in construction.* Podium Presentation; American Industrial Hygiene Conference and Expo (AIHCE), June 4, 2007. Philadelphia, PA.
- Susi P, **Meeker JD,** Cole C, Flynn M. *Reduction of silica exposure among bricklayers with use of engineering controls for cutting and grinding.* Podium Presentation; American Industrial Hygiene Conference and Expo (AIHCE), June 4, 2007. Philadelphia, PA.
- Meeker JD,** Missmer S, Vitonis A, Cramer D, Hauser R. *Risk of spontaneous abortion in women with childhood exposure to parental cigarette smoke.* Poster; 6th Annual Flight Attendant Medical Research Institute Scientific Symposium, May 14-16, 2007. Miami, FL.
- Meeker JD,** Susi P, Flynn M. *Field evaluation of portable local exhaust ventilation for controlling manganese and welding fume.* Invited Talk; 13th CPWR/NIOSH Engineering Controls Work Group, Nov. 15-16, 2006. Orlando, FL.
- Susi P, Cooper M, **Meeker JD,** Cole C, Flynn M. *Progress on research related to controls for cutting and grinding tools used by bricklayers.* 13th CPWR/NIOSH Engineering Controls Work Group, Nov. 15-16, 2006. Orlando, FL.
- Meeker JD,** Barr DB, Hauser R. *Utility of urinary 1-naphthol and 2-naphthol levels to assess environmental carbaryl and naphthalene exposure in an epidemiology study.* Poster Presentation, 18th Conference of the International Society for Environmental Epidemiology (ISEE), September 2-6, 2006. Paris, France.
- Meeker JD,** Missmer SA, Cramer DW, Hauser R. *Maternal exposure to secondhand tobacco smoke and pregnancy outcomes.* Poster; 5th Annual Flight Attendant Medical Research Institute Scientific Symposium, May 11-12, 2006. Boston, MA.

John D. Meeker, MS, ScD, CIH

- Herrick R, **Meeker JD**, McClean M, Zwack L, Hanley K. *Physical and chemical characterization of asphalt (bitumen) paving exposures*. Poster; Health Effects of Occupational Exposure to Emissions from Asphalt/Bitumen Symposium, June 7-8, 2006. Dresden, Germany.
- Meeker JD**, Susi P. *Evaluation of alternative abrasives on NJ DOT painting projects – a three year case study*. Invited Talk; 12th CPWR/NIOSH Engineering Controls Work Group, Nov. 16-17, 2005. Orlando, FL.
- Meeker JD**, Susi P, Flynn M. *Performance evaluation of a masonry concrete vacuum*. Invited Talk; 12th CPWR/NIOSH Engineering Controls Work Group, Nov. 16-17, 2005. Orlando, FL
- Susi P, **Meeker JD**, Cole C. *Welding fumes: evaluation of local exhaust ventilation for welding*. 12th CPWR/NIOSH Engineering Controls Work Group, Nov. 16-17, 2005. Orlando, FL.
- Meeker JD**. *Environmental exposure to non-persistent insecticides and male reproductive health*. Invited Talk; Reproductive Sciences Seminar, University of Michigan, Jan. 30, 2006. Ann Arbor MI.
- Meeker JD**, Susi P, Pelligrino, A. *Field evaluation of worker exposures using abrasive substitutes for silica sand*. Round Table Presentation; American Industrial Hygiene Conference and Expo (AIHCE), May 25, 2005. Anaheim, CA.
- Meeker JD**, Hauser R, Missmer SA, Cramer DW. *Maternal exposure to environmental tobacco smoke and pregnancy outcomes*. Poster; 4th Annual Flight Attendant Medical Research Institute Scientific Symposium, May 12-13, 2005. Miami FL.
- Park S, Ryan LM, **Meeker JD**, Hauser R. *A latent model for measurement error correction using replicate data*. Poster; Proc Int Biom Soc Meet, Mar 20-23; 2005;p. 273. Austin, TX.
- Meeker JD**. *Environmental exposure to contemporary-use insecticides and male reproductive health*. Invited Talk; ERC Research Seminar, Occupational Health Program Harvard School of Public Health, Feb. 6, 2004. Boston, MA.
- Meeker JD**, Susi P. *Worker exposures to silica and heavy metals using specular hematite for abrasive blasting*. Podium Session; American Industrial Hygiene Conference and Expo (AIHCE), May 13, 2004. Atlanta, GA. Round Table Presentation; Chicago Construction Safety & Health Conference, February 16, 2005. Chicago, IL
- Meeker JD**, Hauser R. *Contemporary use insecticides and human semen quality*. Oral Presentation, 16th Conference of the International Society for Environmental Epidemiology (ISEE), August 1-4, 2004. New York, NY.
- Meeker JD**, Hanley K. *Pilot Study characterizing particle size and PAC distribution in a field-generated asphalt fume*. Poster; American Industrial Hygiene Conference and Expo (AIHCE), June 2-7, 2001. New Orleans, LA.
- Hanley K, **Meeker JD**, Fernback J, McClean M, Herrick R, Dunn K. *Personal exposure to polycyclic aromatic compounds and particle size distribution of asphalt paving fumes*. Poster; 18th Symposium for the International Society for Polycyclic Aromatic Compounds (ISPAC), September 9-13, 2001, Cincinnati, OH. Also: poster; American Industrial Hygiene Conference and Expo (AIHCE), June 1-6, 2002, San Diego, CA.

Technical Reports

John D. Meeker, MS, ScD, CIH

- Meeker JD**, Susi P. *Welding Fume Local Exhaust Ventilation (LEV) Controlled Study Test Results: the Eurovac II Welding Portable LEV System*. Report Submitted to: Center for Construction Research and Training. August 2014.
- Meeker JD**, Susi P. *Welding Fume Local Exhaust Ventilation (LEV) Controlled Study Test Results: the Lincoln Electric XTractor Portable LEV System*. Report Submitted to: Center for Construction Research and Training. February 2014.
- Meeker JD**, Susi P. *Welding Fume Local Exhaust Ventilation (LEV) Controlled Study Test Results: the Trion AirBoss One-Man Portable LEV System*. Report Submitted to: Center for Construction Research and Training. February 2013.
- Meeker JD**, Silver M. *Occupational Exposure Limits for Hexavalent Chromium in the United States and Canada: Status and Recommendations*. Report Submitted to: International Brotherhood of Boilermakers, Canada. October 2012.
- Meeker JD**. *Selection of commercially available portable local exhaust ventilation to be evaluated for effectiveness in controlling worker exposures to welding fumes in construction*. Report Submitted to: Center for Construction Research and Training. August 2011.
- Ang BA, **Meeker JD**. *Use of swine manure on agricultural produce: a risk to public health?* Report submitted to: National Pork Board. December 2009.
- Meeker JD**, Susi P. *Survey report: Worker exposure to hexavalent chromium, manganese, and total particulate during welding tasks on the Edison Mission Energy (EME) Homer City generation station*. Report submitted to: Center for Construction Research and Training. November 2008.
- Meeker JD**. *Welding fume and manganese personal breathing zone concentrations measured inside versus outside the worker's welding helmet during construction welding tasks*. Report submitted to: Center for Construction Research and Training. May 2008.
- Meeker JD**, Susi P. *Worker Exposures to Manganese and Total Particulate During Welding Tasks among Ironworkers at Two Southern California Locations*. Report submitted to: Center for Construction Research and Training. January 2008.
- Meeker JD**, Susi P. *Survey report: worker exposures to hexavalent chromium and total particulate during welding and cutting tasks on the Coal Creek Station boiler rehabilitation project*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. August 2007.
- Cooper M, **Meeker JD**, Susi P. *An evaluation of silica/dust controls for masonry and grinding tools*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. July 2007.
- Meeker JD**, Susi P, Cole C, Feldscher D. *T-BEAM Report: Effectiveness of a portable local exhaust ventilation unit to reduce manganese and weld fume exposures among pipefitters during commercial construction in Ann Arbor, MI*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. June 2006.
- Echt A, Sieber WK, Lefkowitz D, **Meeker JD**, Susi P, Heitbrink WA. *In-depth survey of dust control technology for sawing concrete block and tuckpointing brick*. US Department of Health and Human Services, National Institute for Occupational Safety and Health. Report No. EPHB 282-13. Cincinnati, OH. June 2005.
- Meeker JD**, Cole C, Feldscher D. *T-BEAM Report: Survey of worker exposures to manganese and total particulate during welding tasks on a boiler rehabilitation project in Avon Lake, OH*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. October 2005.

John D. Meeker, MS, ScD, CIH

Meeker JD, Flynn M, Susi P, Cardwell B. *Performance evaluation of a masonry concrete vacuum*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. May 2004.

Meeker JD. *Silica dust exposure, rheumatoid arthritis and other autoimmune disorders: review of the current literature*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. September 2003.

Meeker JD. *Hexavalent chromium exposure in construction: a review of relevant literature*. Report submitted to: Center to Protect Workers' Rights, Silver Spring, MD. July 2002.

Meeker JD, Herrick RF. *Systems management of metalworking fluids*. Report submitted to: Donaldson Company, Minneapolis, MN. June 2001.

Meeker JD, Herrick RF. *Endotoxins in metalworking fluids*. Report submitted to: Donaldson Company, Minneapolis, MN. April 2001.

Meeker JD, Herrick RF, Spengler JD. *Vaporization of metalworking fluid mist*. Report submitted to: Donaldson Company, Minneapolis, MN. December 2000.

SERVICE

University of Michigan

- Senior Associate Dean for Research, UM School of Public Health, 2016-present
- Associate Dean for Research, UM School of Public Health, 2013-2016
- Associate Director, Environmental Toxicology/Epidemiology Training Grant, 2012-present
- Exec Committee, Reproductive Sciences Program, UM Dept. of OB/GYN, 2012-Present
- Co-Leader, Exposure Assessment Core, UM NIEHS P30 Core Center, 2011-Present
- UM President's Advisory Committee on Labor Standards & Human Rights, 2014-Present
- UM Business Engagement Center Advisory Council, 2013-present
- UM Office of Human Research Compliance Review Advisory Committee, 2013-present
- UM Research Administration Faculty Advisory Committee, 2014-present
- Executive Committee, UM Exercise & Sport Science Initiative, 2016-present
- Faculty Advisor, UM School of Public Health PhD Student Org (SPhD), 2013-present
- Faculty Advisor, University of Michigan Industrial Hygiene Student Assoc., 2006-present (Awarded AIHA Student Local Section of the Year, 2012 & 2014)
- Academic Degree Program Committee, Dept. of EHS, UM SPH, 2013-2016
- Admissions and Recruitment Committee, Dept. of EHS, UM SPH, 2005-09, 2011-2013, 2016
- Associate Chair, Dept. of Environmental Health Sciences, UM SPH, 2011-2013
- Director, Pilot Project Program, UM NIOSH Educational Resource Center, 2011-2013
- Chair, UM SPH Dept. of Environmental Health Sciences Visioning Committee, 2011-2012
- Curriculum and Degree Committee, Environmental Health Sciences, UM SPH, 2009-2011
- Summer Fellowship Application Reviews, UM Risk Science Center, 2011
- Aging and Public Health T32 Training Grant application review, UM SPH, 2011
- Core Curriculum Development Committee, Environmental Health Sciences, 2010-2012
- Faculty Search Committee, UM Risk Science Center Junior Faculty Search, 2010-2011
- Faculty Search Committee, "Omics" position, Environmental Health Sciences, 2007-2008
- Departmental Executive Committee, Environmental Health Sciences, UM SPH, 2007-2011
- UM Department of Environmental Health Sciences P30 Center Pilot Grant Program, 2009
- University of Michigan Rackham Faculty Grant Program, 2007-08
- Faculty Seed Grants Program, University of Michigan School of Nursing, 2006
- Faculty Selection Committee, Rackham Predoctoral Fellowship Competition, UM, 2007

John D. Meeker, MS, ScD, CIH

- Member, University of Michigan Tobacco Research Network, 2005-present
- Member, University of Michigan Graham Environ. Sustainability Institute, 2008-present

National/International Advisory

- Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances & Disease Registry, US Centers for Disease Control and Prevention, 2016-present
- Associate Editor, *Environmental Health Perspectives*, 2010 - present
- Peer Reviewer, ATSDR Toxicological Profile for Molybdenum, 2016
- Section Editor, "Synthetic Chemicals and Health", *Current Environ Health Reports*, 2015
- Peer Reviewer, NICHD National Institutes of Health, Special Emphasis Panel, 2016
- Panel Reviewer, Health Canada, Environmental Health Science & Research Bureau, 2015
- Peer Reviewer, Time-Sensitive Research Opportunities in Environmental Health Sciences R21 Program, National Institute for Environmental Health Sciences, 2014
- Peer Reviewer, Danish Council for Independent Research, 2015
- Peer Reviewer, Smith Family Awards Program for Excellence in Biomedical Research, 2014
- Peer Reviewer, Institute of Medicine (IOM) Draft Report on Agent Orange, 2013
- Peer Reviewer, National Institutes of Health, Neurological, Aging and Musculoskeletal Epidemiology Study Section, 2012; 2015
- Peer Reviewer, Environment and Cancer, French National Cancer Institute (INCa), 2012-16
- Reviewer, CORE Research Programme, Fonds National de la Recherche, Luxembourg, 2012
- Chair, Scientific Expert Panel, Samsung Semiconductor Worker Exposure Characterization and Reconstruction Studies, 2010-2011
- Expert Peer Review Panel, US EPA, Indicators and Proposed Statistical Methodology for America's Children and the Environment, Third Edition, 2010-2011
- External peer reviewer, NIOSH intramural research program, 2011
- Abstract Review Committee, Brominated Flame Retardants Annual Conference, 2011
- Peer Reviewer, South Africa National Research Foundation Grants/Researcher Ratings, 2010
- Peer Reviewer, Kingdom of Saudi Arabia National Science and Technology Innovation Policy Research Grants Program, 2010, 2012, 2013
- Pilot Project Program, Harvard-NIEHS Center for Environmental Health, 2010
- Abstract Review Committee, Amer. Soc. for Reproductive Medicine Annual Meeting, 2010
- Abstract Review, 6th International Conference on Innovations in Exposure Assessment, 2009
- Expert Panel Member, EPA Toxicological Review of Hydrogen Cyanide/Cyanide Salts, 2009
- Ad-hoc member, FIFRA Scientific Advisory Panel on Chlorpyrifos, US Environmental Protection Agency (EPA), Office of Prevention Pesticides, and Toxic Substances, 2008
- Science Advisor, Mens Health Magazine, 2008
- Intramural Grants Review, National Institute for Occupational Safety and Health, 2008

Professional Affiliations

- International Society of Exposure Science (ISES); Member, 2006-Present
- International Society for Environmental Epidemiology (ISEE); Member, 2006-Present
- American Society for Reproductive Medicine (ASRM); Member, Special Interest Group on the Environment, 2007-Present
- American Industrial Hygiene Association (AIHA); Member, 1999-Present
- Michigan Industrial Hygiene Society (MIHS); Member, 2007-Present
- American Society of Safety Engineers (ASSE); Member, 1997-2000
- Epsilon Pi Tau, Honorary Professional Society

Journal Reviews

John D. Meeker, MS, ScD, CIH

- New England Journal of Medicine
- Journal of the American Medical Association (JAMA)
- Environmental Health Perspectives
- Environmental Science and Technology
- Environmental Research
- Environment International
- Environmental Pollution
- Epidemiology
- American Journal of Epidemiology
- Journal of Exposure Science and Environmental Epidemiology
- Environmental Health (Global Access)
- Science of the Total Environment
- International Journal of Environmental Studies
- Chemosphere
- Journal of Toxicology & Environmental Health, Part B Critical Reviews
- International Journal of Hygiene and Environmental Health
- Journal of Occupational and Environmental Hygiene
- American Industrial Hygiene Association Journal
- Applied Journal of Occupational Hygiene
- American Journal of Industrial Medicine
- Occupational and Environmental Medicine
- Human Reproduction
- Fertility and Sterility
- Endocrinology
- Journal of Clinical Endocrinology and Metabolism
- Reproductive Toxicology
- Human and Experimental Toxicology
- International Journal of Andrology
- Asian Journal of Andrology
- Archives of Andrology: Journal of Reproductive Systems
- Reproductive Sciences
- Systems Biology in Reproductive Medicine
- Molecular Nutrition and Food Research
- Physiology & Behavior
- Preventive Medicine
- Molecular Medicine

Translational and Research-to-Practice Activities

- Member, organizing committee for NIOSH/CPWR Engineering Control Work Group annual meetings which brings academic and governmental researchers together with labor leaders to discuss engineering control effectiveness and adoption in construction, 2002-2014
- Developed educational pamphlets and training sessions on the health hazards of welding and local exhaust ventilation selection and use for union pipefitter and boilermakers welding instructors and apprentices, 2007
- Provided training sessions on noise exposure, noise-induced hearing loss, and noise exposure reduction to over 400 labor union leaders in a continuing education course, 2008
- Contributor, *Public Health Reports* special issue on Occupational Health Interventions
- Provided biostatistical support to OB/GYN clinicians at Massachusetts General Hospital IVF clinic (John Petrozza, Director), 2008-2014

John D. Meeker, MS, ScD, CIH

- Co-leader, Postgraduate Continuing Medical Education Course on environmental and occupational reproductive toxins at ASRM Annual Meeting, 2010
- Composed invited review on exposure to endocrine disruptors and child development for healthcare providers appearing in Archives of Pediatrics and Adolescent Medicine, 2012

TEACHING

University of Michigan:

- EHS 657: Advanced Exposure Assessment (3 Credits)
Role: Primary Instructor, W 2007 – 16
- EHS 550: Introduction to Occupational and Environmental Health (2 Credits)
Role: Primary Instructor, F 2013 – 14
- EHS 601: Foundations in Environmental Health Sciences (4 Credits)
Role: Primary Instructor (team taught), F 2011; Guest Lecturer, F2015
- EHS 668: Professional Seminars in Occupational Health (1 Credit)
Role: Primary Instructor, W 2006 – 13
- EHS 658: Physical Hazards (1 Credit)
Role: Primary Instructor, F 2006-11; Executive Masters Program, 2007
- EHS 507: Principles of Exposure Assessment (2 Credits)
Role: Primary Instructor, F 2010; Guest Lecturer, F 2009
- EHS/EPID 608: Environmental Epidemiology (2 Credits)
Role: Guest Lecturer, W 2007 – 14
- EPID 550: Reproductive Epidemiology (3 Credits)
Role, Guest Lecturer, W 2011
- EHS 501: Occupational Environmental Disease (2 Credits)
Role: Guest Lecturer, W 2007
- EHS 500: Principles of Environmental Health Sciences (3 Credits)
Role: Guest Lecturer, F 2006-09
- MRE 541: Mammalian Reproductive Endocrinology – listed also as BIOL/PHYSIO 541 (4 Credits)
Role: Guest Lecturer, W 2009
- HBEHED 692: Women's Health and Reproductive Health (1.5 Credits)
Role: Guest Lecturer, F 2005

Harvard University:

- EH 280: Field Methods in Environmental Health (2.5 Credits)
Role: Graduate Student Instructor, 2004
- EH 292: Properties and Behavior of Airborne Particles (2.5 Credits)
Role: Graduate Student Instructor, 2003
- EH 254: Evaluation and Control of Noise and Vibration (2.5 Credits)
Role: Graduate Student Instructor, 2003

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EH 253: Ventilation and Indoor Air Quality (5 Credits)

Role: Graduate Student Instructor, 2003

EH 262: Introduction to the Work Environment (2.5 Credits)

Role: Graduate Student Instructor, 2002

ID 263: Practice of Occupational Health (5 Credits)

Role: Graduate Student Instructor, 2001-2002

Other:

- Instructor, U of M / AIHA Comprehensive Industrial Hygiene Review, 2009-present
- Lecturer on Toxicology, Occupational Disease, and Noise in Continuing Education Courses at Marshall University, Drexel University, and Notre Dame in 2003, '04 and '08, respectively.

Advising:

Primary Doctoral Advisor / Committee Chair:

Merle Benedict	Secondhand Tobacco Smoke Exposure and its Effects Among Women Undergoing In Vitro Fertilization; PhD 2011
Paula Johnson	Exposure to Brominated Flame Retardants and Reproductive Health; PhD 2012
Gamola Fortenberry	Exposure to Nonpersistent Insecticides and Altered Neurodevelopment and Child Behavior; PhD 2013
Kelly Ferguson	Environmental Phthalate Exposure, Oxidative Stress, and Preterm Birth; PhD 2014
Ryan Lewis	Exposure Science Issues Concerning 60-Hz Magnetic Fields; PhD 2015
James Couch	Evaluation of a Novel Ventilation Design for Increasing Capture Velocities in Traditional and Portable Local Exhaust Ventilation; Expected 2016
Monica Silver	<i>In Utero</i> Exposure to Pesticide Mixtures and Child Neurodevelopment in China; Expected 2017
Lauren Johns	Environmental Chemical Exposures and Thyroid Function in Pregnancy; Expected 2017
Amira Aker	Exposure to Parabens and Phenols in Relation to Reproductive Hormones in Pregnancy and Birth Outcomes, Expected 2018
Max Aung	Dissertation Title TDB, Expected 2020
Marybeth Ingle	Dissertation Title TDB, Expected 2020

Doctoral Committee Member:

John D. Meeker, MS, ScD, CIH

Darrah Sleeth	Inhalability and Personal Sampler Performance for Aerosols at Ultra-Low Windspeeds; PhD 2009
Zorimar Rivera-Núñez	Application of Urinary Arsenic Metabolites to Assess Arsenic Exposure in Southeastern Michigan: Advancing Exposure Assessment for Epidemiology Research; PhD 2009
Yoon Choi	Lead, Noise, Genetics, and Hearing Loss; PhD 2011
Lauren Tetz	Mono-2-ethylhexyl Phthalate Induces Oxidative Stress in Human Gestational Tissue and Cells through Activation of NADPH Oxidase, Leading to Release of Pro-Inflammatory Cytokines; PhD 2012
Janice Bernick	An Examination of the State of the Science of Interventions Designed to Increase Farmers' Use of Hearing Protection Devices; PhD 2012
Ofra Duchin	Body Image Perception and Adiposity in Colombian School-Age Children; PhD 2013
Tiffany Yang	Peripubertal Weight Status and Growth: Associations with Preterm Birth and Exposures to Environmental Endocrine Disrupting Chemicals; PhD 2014
Iman Hassan	Effects of Trichloroethylene Exposure on Adverse Pregnancy Outcomes; PhD 2014
Hae-Ryung Park	Brominated Diphenyl Ether-47 Activates Oxidative Stress-Mediated Inflammatory Pathways in Human First Trimester Extravillous Trophoblasts <i>In Vitro</i> ; PhD 2014.
Jonathan Bryant-Genevier	Development of Exposure and Diagnostic Biomarkers in Breath and Saliva; Expected 2014
Sheryl Kennedy	Assessment of Personal Exposures to JP8 Exhaust Particulate Matter among Army Wheeled and Mechanized Mechanics at Fort Hood, TX; Expected 2014

Masters Thesis Advisor* or Committee Member:

Serena Ravi*	Urinary Concentrations of a Chlorpyrifos Metabolite in Relation to Circulating Estradiol and Prolactin in Men; MPH 2007
Gustavo Serrano	The Environmental Significance of Testing the Reliability of Microfabricated GC Columns for its Use in μ GC Systems; MS 2008
Matthew Walter*	Exposure of Pediatric Postoperative Nurses to Exhaled Anesthetic Gases; MPH 2008
Rebecca Adams	Mono-2-ethylhexyl Phthalate Stimulates Cell Death in the Human Trophoblast Cell Line; MS 2009
Vivian Ortiz*	Hexavalent Chromium Exposure and Control in Construction Welding

John D. Meeker, MS, ScD, CIH

Operations; MS 2010

Kelly Ferguson*	Relationships Between Urinary Phthalate Metabolites and Potential Biomarkers of Inflammation and Oxidative Stress from NHANES 1999-2006; MPH 2011
Huda Elasaad	Near-Road and Urban Gradients of Airborne and Deposited Polycyclic Aromatic Hydrocarbons (PAHs), Diesel Markers and Nitro-PAHs; MS 2011
Erika Koepp*	Relationship between Urinary Triclosan and Paraben Concentrations and Serum Thyroid Measures in NHANES 2007-2008; MS 2012

Primary Postdoctoral Fellow Advisor:

- Kelly Ferguson, PhD, 2014-2015
- Deborah Watkins, PhD, 2013-2016
- Luis Rivera, PhD, 2012-2013
- David Cantonwine, PhD, 2010-2013
- Loulou Kobeissi, PhD, 2006-07

Primary Masters Academic Advisor:

- | | | |
|-------------------|-------------------------|----------------------|
| • Beth Branicky | • Michelle Mayle | • Vivian Ortiz |
| • Kevin Abernethy | • Eric White | • Gamola Fortenberry |
| • Summer Hitchens | • Jennifer Massie | • Cathy Sotelo |
| • Matthew Walter | • Merle Benedict | • Sarena Ravi |
| • Pamela Dopart | • Christopher Hassinger | • Julia Diebol |
| • John Beyer | • Jennifer Jenkins | • Brenna Finley |
| • Allison Burk | • Sydney Swain | • Malkah Glaser |

Doctoral Student Lab Rotation Advisor:

- Marybeth Ingle, F2016
- Aubrey Langeland, W2016
- Amira Aker, W2015
- Lauren Johns, F2013
- Monica Silver, F2012
- James Couch, F2011
- Ryan Lewis, F2011
- Jessi Carrothers, F2010
- Kathryn Conlon, W2010
- Tiffany Yang, F2009
- Bufford Ang, W2009
- Summer Hitchens, W2008
- Gamola Fortenberry, F2007

Undergraduates and Masters/PhD Students Supervised as Temp/Hourly Employees:

John D. Meeker, MS, ScD, CIH

- Leah Bedrosian
- Amber Cathey
- Max Aung
- Enaholo Ogbebor Omoike
- Ye Yuan
- Luis Rivera
- Kelly Ferguson
- Erin Wickerham
- Bufford Ang
- Darren Brown
- Christopher Hassinger
- Lauren Reid
- Saran Ahluwalia
- Kendra Broadwater