

In Utero Bisphenol A Exposure and Children's Health

Co-chairs:

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Aim and short description: Bisphenol A (BPA) is one of the highest production chemicals in the world, used in polycarbonate beverage containers, food packaging, linings of food cans, and sealants for teeth. Animal studies suggest that BPA alters sexual and reproductive development, including sexually-dimorphic alterations in brain structure and behavior; increased weight gain; and altered immune function – but very few studies have examined the health effects of BPA in humans. The goal of this symposium is to bring together researchers conducting some of the first epidemiologic studies of *in utero* BPA exposure and children's health. Talks will cover recent findings of associations of prenatal urinary BPA concentrations and: 1) neurodevelopment and behavior, 2) obesity and metabolic syndrome, and 3) asthma in children. This promises to be an exciting symposium bringing together brand new results that will have important implications as regulators world-wide debate legislation to limit children's BPA exposure.

Presentations:

1. Maternal and fetal differences in Bisphenol a exposure during pregnancy-reviewing the evidence
Speaker: Tracey Woodruff, UC San Francisco
2. Relationships between gestational and childhood urinary bisphenol a concentrations and behavior and executive function at 3-years of age
Speaker: Joe Braun, Harvard University
3. Prenatal BPA biomarker levels and neurodevelopment in the mount sinai children's environmental health center
Speaker: Stephanie Engel, University of North Carolina
4. Early life BPA exposure and obesity and metabolic syndrome in children
Speaker: Kim Harley, UC Berkeley
5. Bisphenol-A and wheeze, asthma and t regulatory cells in an inner-city birth cohort
Speaker: Kathleen Donohue, Columbia University
6. Discussion