

Jon R. Sobus, Physical Scientist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: My research focuses on environmental and biological monitoring of chemical stressors using targeted and non-targeted methodologies. My specific research activities include field sampling, laboratory analysis of residential and biological media, and analysis of complex datasets using statistical models.

Select Publications:

Rager JE, Strynar MJ, Liang S, McMahan RL, Richard AM, Grulke CM, Wambaugh JF, Isaacs KK, Judson R, Williams AJ, Sobus JR. Linking high resolution mass spectrometry data with exposure and toxicity forecasts to advance high-throughput environmental monitoring. *Environ Int.* 2016 Jan 23; 88:269-280.

Morgan MK, Sobus JR, Barr DB, Croghan CW, Chen FL, Walker R, Alston L, Andersen E, Clifton MS. Temporal variability of pyrethroid metabolites levels in bedtime, morning, and 24-hr urine samples for 50 adults in North Carolina. *Environ Res.* 2016 Jan;144(Pt A):81-91.

Sobus JR, Dewoskin RS, Tan YM, Pleil JD, Phillips MB, George BJ, Christensen KY, Schreinemachers DM, Williams MA, Cohen Hubal E, Edwards SW. Uses of NHANES biomarker data for chemical risk assessment: Trends, challenges, and opportunities. *Environ Health Perspect.* 2015 Oct;123(10):919-27.

George BJ, Sobus JR, Phelps LP, Rashleigh B, Simmon JE, Hines RN. Raising the bar for reproducible science at the US Environmental Protection Agency Office of Research and Development. *Toxicol Sci.* 2015 May; 145(1):16-22.

Lakind JS, Sobus JR, Goodman M, Barr DB, Furst P, Albertini RJ, Arbuckle TE, Schoeters G, Tan YM, Teeguarden J, Tornero-Velez R, Weisel CP. A proposal for assessing study quality: Biomonitoring, environmental epidemiology, and short-lived chemicals (BEES-C) instrument. *Environ Int.* 2014 Dec; 73:195-207.

Christensen K, Sobus J, Phillips M, Blessinger T, Lorber M, Tan YM. Changes in epidemiologic associations with different exposure metrics: A case study of phthalate exposure associations with body mass index and waist circumference. *Environ Int.* 2014 Dec; 73:66-76.

View more research publications by [Jon Sobus](#).

Education:

- Ph.D., Environmental Sciences and Engineering, The University of North Carolina at Chapel Hill, 2008
- B.S., Environmental Health Science, Salisbury University, 2002

Professional Experience:

- Physical Scientist, USEPA, ORD, NERL-EMMD, IEIB, 2015-present
- Physical Scientist, USEPA, ORD, NERL-HEASD, EMAB, 2011-2015
- Cross-ORD Postdoctoral Researcher, USEPA, ORD, NERL-HEASD, EMAB, 2008-2011
- Student Services Contractor, USEPA, ORD, NERL-HEASD, MDAB, 2006-2008
- NIEHS Predoctoral Trainee, The University of North Carolina at Chapel Hill, 2003-2008
- Environmental Consultant, Booz Allen Hamilton, 2003
- NNEMS Fellow, USEPA, OAR, ORIA, RIENL, 2001