

PERSONAL INFORMATION

Associate Professor
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EDUCATION

Ph.D	Statistics	Harvard University	1997
A.M	Statistics	Harvard University	1992
M.S.	Natural Resources	Cornell University	1991
A.B.	Biology	Oberlin College	1978

POSTDOCTORAL TRAINING

2000 - 2002 **Research Associate**, Department of Biostatistics, Harvard School of Public Health

1997 - 2000 **Research Fellow**, Department of Biostatistics, Harvard School of Public Health

FACULTY APPOINTMENTS

2008 - present **Associate Professor**, Department of Biostatistics and Computational Biology, University of Rochester

2008 - present **Associate Professor of Oncology**, Cancer Center, University of Rochester

2002 - 2008 **Assistant Professor**, Department of Biostatistics and Computational Biology, University of Rochester

2005 - 2008 **Assistant Professor of Oncology**, Cancer Center, University of Rochester

HONORS AND AWARDS

2011 Distinguished Speaker Award, Department of Biostatistics, University of Buffalo School of Public Health and Health Professions

2006 Elected member, International Statistical Institute

2001 American Journal of Epidemiology: Special recognition for excellence as a reviewer

2001 Award for best contributed paper to the Risk Analysis Section, Joint Statistical Meetings

1990 Radcliffe Prize Scholarship, the Emeline Bigelow Conland Fellowship

COURSE INSTRUCTION, UNIVERSITY OF ROCHESTER

COURSE INSTRUCTOR, DEPARTMENT OF BIostatistics AND COMPUTATIONAL BIOLOGY

spring 2014 Instructor, *BST512: Advanced Bayesian Inference with an Emphasis on Computation.*

spring 2013 Instructor, *BST413: Bayesian Inference.*

spring 2012 Instructor, *BST512: Advanced Bayesian Inference with an Emphasis on Computation.*

spring 2011	Co-instructor (with Tanzy Love), <i>BST413: Bayesian Inference</i> .
spring 2010	Co-instructor (with Tanzy Love), <i>BST512: Advanced Bayesian Inference with an Emphasis on Computation</i> .
spring 2009	Instructor, <i>BST413: Bayesian Inference</i> .
spring 2008	Co-instructor (with Gregory Warnes), <i>BST512: Advanced Bayesian Inference with an Emphasis on Computation</i> .
fall 2006	Instructor, <i>BST413: Bayesian Inference</i> .
spring 2006	Instructor, <i>BST464: Statistical Methods for Biomedical Applications</i> .
spring 2005	Instructor, <i>BST464: Statistical Methods for Biomedical Applications</i> .
spring 2004	Instructor, <i>BST464: Statistical Methods for Biomedical Applications</i> .
spring 2003	Instructor, <i>BST464: Statistical Methods for Biomedical Applications</i> .

ADVISING, AND MENTORSHIP

POSTDOCTORAL AND FACULTY ADVISING AND MENTORING

2011 - present	Statistical mentor for faculty member Dr. Emily Barrett, Department of Obstetrics & Gynecology
2008 - 2010	Advisor for postdoctoral fellow Dr. Tanzy Love, Department of Biostatistics and Computational Biology

PHD DISSERTATION ADVISING, DEPARTMENT OF BIostatISTICS AND COMPUTATIONAL BIOLOGY

2014 - present	Advisor for Chang Liu
2013 - present	Co-advisor (with Hua Liang) for Changming “Sherman” Xia. “Generalized Semiparametric Linear Mixed-effects Regression”
2011 - 2013	Co-advisor (with Tanzy Love) for Katie Evans. “Extensions to Model-Based Clustering on Mixed-Type Data”.
2008 - 2010	Advisor for Miranda Lynch. “Estimation, model checking and diagnostics in finite mixture models for point mass data: methods in a Bayesian framework”
2006 - 2009	Advisor for Abbie Stokes-Riner. “Residual diagnostic methods for Bayesian structural equation models”

PHD DISSERTATION COMMITTEE

2008 - present	Member of many PhD dissertation committees, Department of Biostatistics and Computational Biology
2004 - present	Member of several MS dissertation committees, Department of Biostatistics and Computational Biology, Department of Psychiatry

RESEARCH GRANTS

2013 - present	New York State Energy Research and Development Authority, “Effects of Ambient Wood Smoke Exposure on the Risk of Myocardial Infarction and Biomarkers of Systemic Inflammation, Coagulation, and Thrombosis”. PI=Rich.
2013 - present	NIH (R01) “Transgenerational exposures as modifiers of host defense against infection”. PI=Lawrence.
2011 - present	NIH (R01) “Web-Assisted Tobacco Interventions for Community College Students” PI=McIntosh.
2009 - present	NIH/NCRR (UL1, KL2, TL1) “The University of Rochester’s Clinical and Translational Science Institute”, PI=Kiebertz.

- 2011 - present NIH (P30) “Environmental Health Science Center: University of Rochester” PI=Gasiewicz. 5% effort.
- 2010 - present NIH (R01) “Factors Modifying the Toxicity of Methylmercury in a Fish-Eating Population”, PI=Davidson.
- 2010 - 2014 NIH (R01) “Impact of Air Pollution Reductions during the Beijing Olympics on Pre-term Birth Rates & Birth Weight” PI=Rich.
- 2007 - 2013 NIH (R01) “Mercury Vapor from Amalgam and Methylmercury Co-Exposure on Neurodevelopment” (Seychelles), PI=Watson.
- 2011 - 2012 UC Davis subcontract. “CTSpedia: Collaborative Resource for Clinical and Translational Training and Research”. **PI=Thurston.**
- 2009 - 2011 NIH (UL1: ARRA supplement) “The University of Rochester Clinical and Translational Science Institute - CTSpedia - Consortium Strategic # 1 Administrative Supplement”. PI=Pearson. Role: Program Director.
- 2009 - 2010 NIH (R01 Supplement) “Methylmercury Effects on Adolescent Development”, PI=Davidson.
- 2009 - 2010 NIH (RC2) “Prenatal Bisphenol A and Sexually Dimorphic Neurodevelopment”, PI=Swan.
- 2009 - 2011 NIH (R01) “Simulator for Primary HIV Replication and Evolution”, PI=Lee.
- 2008 - 2009 UCSF subcontract. “Clinical and Translational Science Institute - CTSpedia Site”. **PI=Thurston.**
- 2008 - 2009 BARDA/NIAID (RC1) “Combined Target Therapy for the Pulmonary Syndrome”, PI=Williams.
- 2007 - 2009 Cancer Treatment Research Foundation, “Predicting Brain Tumor Recurrence from MR Spectroscopy and Diffusion Tensor Imaging”, PI=Davis.
- 2007 - 2009 NIH (R21) “Developmental Neurotoxicity of Phthalate Esters”, PI=Weiss.
- 2006 - 2011 NIH/NCRR (UL1, KL2, TL1) “The University of Rochester’s Clinical and Translational Science Institute”, PI=Guzick, then Pearson. Role: Director of the Design, Biostatistics, and Clinical Research Ethics key function.
- 2006 - 2010 Brigham & Women’s Hospital Subcontract. “Metal and Organochlorine Exposure: Impact on Adolescent Behavior and Cognition”, **PI=Thurston**
- 2005 - 2010 NIH (U19) “Center for Biophysical Assessment and Risk Management Following Irradiation”, PI=Okunieff. Role: Director of Biostatistics Core
- 2005 - 2010 EPA (STAR) “Source-Specific Health Effects of Ultrafine/fine Particles”, PI=Oberdorster.
- 2006 - 2007 NIH (R01) “Quantifying Human Lung Tissue Dose Response Relationship”. PI=O’Dell.
- 2006 - 2007 NIA (R01) “Team Performance and Quality of Care in Nursing Homes”. PI=Temkin-Greener.
- 2005 - 2007 NIH (R01) “Methyl Mercury Effects on Adolescent Development”, PI=Davidson.
- 2005 - 2007 EPA (STAR) “Current-use Pesticides: Assessing Exposure and Spermatotoxicity”. PI=Swan.
- 2002 - 2006 NIH (Transition to Independent Positions (K22)), “Bayesian Biomarker Models for Cancer Genetics Studies”, **PI=Thurston**

PUBLICATIONS (peer-reviewed)

- **Thurston SW**, Krasny ME, Martin CW and Fahey TJ. “Effect of site characteristics and 1st- and 2nd-year seedling densities on forest development in a northern hardwood forest,” *Canadian Journal of Forest Research*, 1992; **22**:1860-1868.
- Wiencke JK, **Thurston SW**, Kelsey KT, Varkonyi A, Wain JC, Mark EJ, and Christiani DC. “Early age at smoking initiation and tobacco carcinogen DNA damage in the lung”, *Journal of the National Cancer Institute*, 1999; **91**:614-619.
- **Thurston SW**, Ryan L, Christiani DC, Snow R, Carlson J, You L, Cui S, Ma G, Wang L, Huang Y, and Xu X. “Petrochemical exposure and menstrual disturbances”, *American Journal of Industrial Medicine*, 2000; **38**:555-564.
- **Thurston SW**, Wand MP, and Wiencke JK. “Negative binomial additive models”, *Biometrics*, 2000; **56**:139-144.
- **Thurston SW** “Biomarkers”. In: El-Shaarawi AH and Piegorsch WW editors, *Encyclopedia of Environmetrics*, John Wiley and Sons, England, 2001; Vol 1:192-196.
- **Thurston SW** “DNA adducts”. In: El-Shaarawi AH and Piegorsch WW editors, *Encyclopedia of Environmetrics*, John Wiley and Sons, England, 2001; Vol 1:561-562.
- Xu LL, Wain JC, Miller D, **Thurston SW**, Su L, and Christiani DC. “The NAD(P)H:quinone oxidoreductase 1 gene polymorphism and lung cancer: differential susceptibility based on smoking behavior”, *Cancer Epidemiology Biomarkers & Prevention*, 2001; **10**:303-309.
- Zhou W, **Thurston SW**, Liu G, Xu L-L, Miller DP, Wain JC, Lynch TJ, Su L, Christiani DC. “The interaction between microsomal epoxide hydrolase polymorphisms and cumulative cigarette smoking in different histological subtypes of lung cancer”, *Cancer Epidemiology Biomarkers & Prevention*, 2001; **10**:461-466.
- Liu G, Miller DP, Zhou W, **Thurston SW**, Fan R, Xu L-L, Lynch TJ, Wain JC, Su L, and Christiani DC. “Differential association of the codon 75 *p53* and *GSTM1* polymorphisms on histologic type of non-small cell lung carcinoma”, *Cancer Research*, 2001; **61**: 8718-8722.
- **Thurston SW**, Eisen EA, and Schwartz J, “Smoothing in survival models, applied to workers exposed to several metalworking fluids”, *Epidemiology*, 2002; **13**:685-692.
- Zhou W, Liu G, Miller DP, **Thurston SW**, Xu LL, Wain JC, Lynch TJ, Su L, and Christiani DC “Gene-environment interaction for the ERCC2 polymorphisms and cumulative cigarette smoking exposure in lung cancer”, *Cancer Research*, 2002; **62**:1377-1381.
- Zhou W, Liu G, **Thurston SW**, Xu LL, Miller DP, Wain JC, Lynch TJ, Su L, Christiani DC, “Genetic polymorphisms of N-acetyltransferase-2 and microsomal epoxide hydrolase and cumulative cigarette smoking in lung cancer”, *Cancer Epidemiology Biomarkers & Prevention*, 2002; **11**: 15-21.
- **Thurston SW**, Spiegelman D, and Ruppert D. “Equivalence of regression calibration methods in main study / external validation study designs” *Journal of Statistical Planning and Inference*, 2003; **113**:527-539.
- Zhou W, Liu G, Miller DP, **Thurston SW**, Xu LL, Wain JC, Lynch TJ, Su L, and Christiani DC. “Polymorphisms in the DNA repair genes XRCC1 and ERCC2, smoking, and lung cancer risk”, *Cancer Epidemiology Biomarkers & Prevention*, 2003; **12**:359-365.

- Su L, Sai Y, Fan R, **Thurston SW**, Miller DP, Xu L-L, Wain JC, Lynch TJ, Liu G, and Christiani DC “p53 (codon 72) and p21 (codon 31) polymorphisms alter in vivo mRNA expression of p21”, *Lung Cancer*, 2003; **40**:259-266.
- Ryan L, Huang W, **Thurston SW**, Kelsey KT, Wiencke JK, and Christiani DC, “On the use of biomarkers for environmental health research”, *Statistical Methods in Medical Research*, 2004; **13**:207-225.
- Eisen EA, Agalliu I, **Thurston SW**, Coull BA, and Checkoway H, “Smoothing methods applied to occupational cohort studies: illustrated by penalized splines”, *Occupational & Environmental Medicine*, 2004; **61**(10): 854-60.
- Sloane-Reeves J, Davidson PW, Myers GJ, Shamlaye C, Leste A, Huang LS, **Thurston S**, “Scholastic achievement among children enrolled in the Seychelles Child Development Study”, *Seychelles Medical and Dental Journal*, 2004; **7**(1): 121-126.
- **Thurston SW**, Williams PL, Hauser R, Hu H, Hernandez-Avila M, and Spiegelman D, “A comparison of regression calibration approaches for designs with internal validation data”, *Journal of Statistical Planning and Inference*, 2005; **131**: 175-190.
- **Thurston SW**, Liu G, Miller DP, and Christiani DC “Modeling lung cancer risk in case-control studies using a new dose metric of smoking”, *Cancer Epidemiology, Biomarkers & Prevention*, 2005; **14**:2296-2302 (with commentary).
- Govindarajulu US, Spiegelman D, **Thurston SW**, Ganguli B., and Eisen EA. “Comparing smoothing techniques in Cox models for exposure-response relationships”. *Statistics in Medicine*, 2007; **26**: 3735-3752.
- *Stokes-Riner A, **Thurston SW**, Brazil C, Guzick D. Liu F, Overstreet JW, Wang C, Sparks A, Redmon JB, Swan SH, “One semen sample or two? Insights from a study of fertile men”, *Journal of Andrology*, 2007; **28**: 638-643.
- **Thurston SW**, Bovet P, Myers GJ, Davidson PW, Georger LA, Shamlaye C, and Clarkson TW, “Does prenatal methylmercury exposure from fish consumption affect blood pressure in childhood?”, *NeuroToxicology*, 2007; **28**: 924-930.
- Elder A, Yang H, Gwiazda R, Teng X, **Thurston S**, He H, Oberdorster G. “Testing nano-materials of unknown toxicity: an example based on platinum nanoparticles of different shapes”, *Advanced Materials*, 2007; **19**: 3124-3129.
- Huang LS, Myers GJ, Davidson PW, Cox C, Xiao F, **Thurston SW**, Cernichiari E, Shamlaye CF, Sloane-Reeves J, Georger L, Clarkson TW. “Is susceptibility to prenatal methylmercury exposure from fish consumption non-homogeneous? Tree-structured analysis for the Seychelles Child Development Study”. *NeuroToxicology*, 2007; **28**: 1237-1244.
- Liang H, **Thurston SW**, Ruppert D, Apanasovich T, Hauser R. “Additive partial linear models with measurement error”. *Biometrika*, 2008; **95**: 667-678.
- Davidson PW, Sloane-Reeves J, Myers GJ, Hansen ON, Huang LS, Georger L, Cox C, **Thurston SW**, Shamlaye CF, Clarkson TW. “Association between prenatal exposure to methylmercury and visuospatial ability at 10.7 years in the Seychelles Child Development Study”, *NeuroToxicology*, 2008; **29**: 453-459.
- Davidson PW, Strain JJ, Myers GJ, **Thurston SW**, Bonham MP, Shamlaye CF, Stokes-Riner A, Wallace JMW, Robson PJ, Duffy EM, Georger LA, Sloane-Reeves J, Cernichiari E, Canfield RL, Cox C, Huang LS, Janciuras J, Clarkson TW. “Neurodevelopmental effects

of maternal nutritional status and exposure to methylmercury from eating fish during pregnancy”, *NeuroToxicology*, 2008, **29**: 767-775.

- Strain JJ, Davidson PW, Bonham MP, Duffy EM, Stokes-Riner A, **Thurston SW**, Wallace JMW, Robson PJ, Shamlaye CF, Georger LA, Sloane-Reeves J, Cernichiari E, Canfield RL, Cox C, Huang LS, Janciuras J, Myers GJ, and Clarkson TW, “Associations of maternal long chain polyunsaturated fatty acids, methyl mercury, and infant development in the Seychelles Child Development and Nutrition Study”, *NeuroToxicology*, 2008, **29**: 776-782.
- **Thurston SW**, Ruppert D, and Davidson PW “Bayesian models for multiple outcomes nested in domains”, *Biometrics*, 2009, **65**: 1078-1086. PMID: PMC3031784.
- Liang H, Su H, **Thurston SW**, Meeker JD, and Hauser R “Empirical likelihood based inference for additive partial linear measurement error models”, *Statistics and its Interface*, 2009, **2**: 83-90.
- Myers GJ, **Thurston SW**, †Pearson AT, Davidson PW, Cox C, Shamlaye CF, Cernichiari E, Clarkson TW. “Postnatal exposure to methyl mercury from fish consumption: a review and new data from the Seychelles Child Development Study”, *NeuroToxicology*, 2009, **30**: 338-349.
- van Wijngaarden E, Myers GJ, **Thurston SW**, Shamlaye CF, Davidson PW, “Interpreting epidemiological evidence in the presence of multiple endpoints: an alternative analytic approach using the 9-year follow-up of the Seychelles Child Development Study”, *International Archives of Occupational and Environmental Health*, 2009, **82**: 1031-41.
- Johnston CJ, Hernady E, Reed C, **Thurston SW**, Finkelstein JN, Williams JP. “Early alterations in pulmonary cytokine expression: surrogate markers in adults versus children following a radiation event”. *Radiation Research*, 2010, **173**:522-35.
- Ishitobi H, Stern S, **Thurston SW**, Cernichiari E, Zareba G, Langdon M, Gelein R, Weiss B. “Organic and inorganic mercury in neonatal rat brain following prenatal exposure to methylmercury and mercury vapor”. *Environmental Health Perspectives*, 2010, **118**:242-8.
- Sagiv SK, **Thurston SW**, Bellinger D, Tolbert PE, Altshul LM, Korrick SA. “Prenatal organochlorine exposure and behaviors associated with attention deficit-hyperactivity disorder in school-aged children”, *American Journal of Epidemiology*, 2010, **171**:593-601.
- Love TMT, **Thurston SW**, Keefer MC, Dewhurst S, Lee HY. “Mathematical modeling of ultradeep sequencing data reveals that acute CT8+ T-lymphocyte responses exert strong selective pressure in Simian Immunodeficiency Virus-infected macaques, but still fail to clear founder epitope sequences”, *Journal of Virology*, 2010, **84**: 5802-14.
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- Davidson PW, Strain JJ, Myers GJ, Shamlaye CF, **Thurston S**, Bonham M, Duffy E, Wallace J, Watson G, Clarkson TW “Neurodevelopmental effects of maternal nutrition status and exposure to methyl mercury from eating fish during pregnancy: evidence from the Seychelles Child Development Study”, In Cheng Wang & William Slikker (Eds). *Developmental Neurotoxicology Research: Principles, Models, Techniques, Strategies and Mechanisms*, John Wiley & Sons, 2011, 319-334.

- *Stokes-Riner A, **Thurston SW**, Myers GJ, Duffy EM, Wallace J, Bonham M, Robson P, Shamlaye CF, Strain JJ, Watson G, Davidson PW. “A longitudinal analysis of prenatal exposure to methylmercury and fatty acids in the Seychelles”. *Neurotoxicology and Teratology*, 2011, **33**:325-328.
- Friesen MC, Costello S, **Thurston SW**, Eisen EA. “Distinguishing the common components of oil- and water-based metalworking fluids for assessment of cancer incidence risk in autoworkers”, *American Journal of Industrial Medicine*, 2011, **54**:450-460. PMID:PMC3301446.
- Johnston CJ, Manning C, Hernady E, Reed C, **Thurston SW**, Finkelstein JN, Williams JP. “Effect of low dose total body irradiation on late lung effects: hidden danger”, *International Journal of Radiation Biology*, 2011, **87**: 902-913.
- Zhang H, Lu N, Feng C, **Thurston SW**, Xia Y, Tu X. “On fitting generalized linear mixed-effects models for binary responses using different statistical packages”, *Statistics in Medicine*, 2011, **30**: 2562-2572.
- Park SY, Love TM, Nelson J, **Thurston SW**, Perelson A, Lee HY. “Designing a Genome-Based HIV-1 Incidence Assay with High Sensitivity and Specificity” *AIDS*, 2011 **25**: F13-F19.
- Watson GE, *Lynch M, Myers GJ, Shamlaye CF, **Thurston SW**, Zareba G, Clarkson TW, Davidson PW. “Prenatal exposure to dental amalgam: evidence from the Seychelles Child Development Main Cohort”, *Journal of the American Dental Association*, 2011, **142**: 1283-1294.
- Davidson PW, Cory-Slechta DA, **Thurston SW**, Huang LS, Shamlaye CF, Gunzler D, Watson G, van Wijngaarden E, Zareba G, Klein JD, Clarkson TW, Strain JJ, Myers GJ “Fish consumption and prenatal methylmercury exposure: cognitive and behavioral outcomes in the main cohort at 17 years from the Seychelles Child Development Study”, *NeuroToxicology*, 2011, **32**: 711-717.
- Sagiv SK, **Thurston SW**, Bellinger DC, Altshul LM, Korrick SA. “Neuropsychological measures of attention and impulse control among 8-year-old children exposed prenatally to organochlorines”, *Environmental Health Perspectives*, 2012, **120**: 904-909.
- Strain JJ, Davidson PW, **Thurston SW**, Harrington D, Mulhern M, McAfee AI, van Wijngaarden E, Shamlaye CF, Henderson J, Watson G, Zareba G, Cory-Slechta DA, Lynch M, Wallace JMW, McSorley EM, Bonham MP, Stokes-Riner A, Sloane-Reeves J, Janciuras J, Wong R, Clarkson TW, Myers GJ. “Maternal polyunsaturated fatty acid status but not prenatal methylmercury exposure is associated with children’s language functions at age five years in the Seychelles”, *Journal of Nutrition*, 2012, **142**: 1943-1949.
- Sagiv SK, **Thurston SW**, Bellinger DC, Amarasiriwardena C, Korrick SA, “Prenatal exposure to mercury and fish consumption during pregnancy and attention-deficit/hyperactivity disorder-related behavior in children”, *Archives of Pediatrics & Adolescent Medicine*, 2012, **166**:1123-1131.
- Watson GE, *Evans K, **Thurston SW**, van Wijngaarden E, Wallace JMW, McSorley EM, Bonham MP, Mulhern MS, McAfee AJ, Davidson PW, Shamlaye CF, Strain JJ, Love T, Zareba G, Myers GJ “Prenatal exposure to dental amalgam in the Seychelles Child Development Nutrition Study: Associations with neurodevelopmental outcomes at 9 and 30 months”, *NeuroToxicology*, 2012, **33**: 1511-1517.

- Strain JJ, McSorley EM, van Wijngaarden E, Kobrosly RW, Bonham MP, Mulhern MS, McAfee AJ, Davidson PJ, Shamlaye CF, Henderson J, Watson GE, **Thurston SW**, Wallace JMW, Ueland PM, Myers GJ, “Choline status and neurodevelopmental outcomes at 5 years of age in the Seychelles Child Development Nutrition Study”, *British Journal of Nutrition*, 2012, 1-7.
- Barrett ES, †Tran T, **Thurston S**, Furberg A-S, Ellison P, Thune I. “Marriage and motherhood are associated with lower testosterone levels in women”, *Hormones and Behavior*, 2013, **63**: 72-79.
- **Thurston SW** “Biomarkers”. In: El-Shaarawi A-H and Piegorsch WW (eds), *Encyclopedia of Environmetrics Second Edition*, John Wiley & Sons Ltd, Chichester UK, 2013, pp.227-232. DOI: 10.1002/9780470057339.vab019.pub2. [updated from 2001].
- **Thurston SW** “DNA adducts”. In: El-Shaarawi A-H and Piegorsch WW (eds), *Encyclopedia of Environmetrics Second Edition*, John Wiley & Sons, Chichester UK, 2013, pp.707-710. DOI: 10.1002/9780470057339.vad037.pub2. [updated from 2001].
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- van Wijngaarden E, Davidson PW, Smith TH, Love T, Yost K, Hyman SL, Evans K, **Thurston SW**, Watson GE, Zareba G, Burns CM, Shamlaye CF, Myers GJ. “Autism spectrum disorder phenotypes and prenatal exposure to methylmercury: results from the Seychelles Child Development Study”, *Epidemiology*, 2013, **24**: 651-659.
- †Yu Y, **Thurston SW**, Hauser R, Liang H. “Model averaging procedure for partially linear single-index models”, *Journal of Statistical Planning and Inference*, 2013, **143**: 2160-2170.
- van Wijngaarden E., **Thurston SW**, Myers GJ, Strain JJ, Weiss B, Zarcone T, Watson GE, Zareba G, McSorley EM, Mulhern MS, Yeates AJ, Henderson J, Gedeon J, Shamlaye CF, Davidson PW. “Prenatal methyl mercury exposure in relation to neurodevelopment and behavior at 19 years of age in the Seychelles Child Development Study”, *Neurotoxicology and Teratology*, 2013, **39**: 19-25.
- Watson GE, van Wijngaarden E, Love T, McSorley EM, Bonham MP, Mulhern MS, McAfee AJ, Davidson PW, Shamlaye CF, Strain JJ, **Thurston SW**, Zareba G, Wallace JMW, Myers GJ. “Neurodevelopmental outcomes at 5 years in children exposed prenatally to maternal dental amalgam: the Seychelles Child Development Nutrition Study”, *Neurotoxicology and Teratology*, 2013, **39**: 57-62.
- †Xiao L, **Thurston SW**, Ruppert D, Love TMT, Davidson PW. “Bayesian models for multiple outcomes in domains with application to the Seychelles Child Development Study”, *Journal of the American Statistical Association*, 2014, **109**: 1-10.
- van Wijngaarden E, Harrington D, Kobrosly R, **Thurston SW**, O’Hara T, McSorley EM, Myers GJ, Watson GE, Shamlaye CF, Strain JJ, Davidson PW, “Prenatal exposure to methyl mercury and LCPUFA in relation to birth weight”, *Annals of Epidemiology*, 2014, **24**: 273-278.
- *Evans K, Love TMT, **Thurston SW**. “Outlier identification in model-based cluster analysis”, *Journal of Classification*, to appear.
- Kobrosly RW, Evans S, Miodovnik A, Barrett ES, **Thurston SW**, Calafat AM, Swan SW. “Sexually-dimorphic associations between prenatal phthalate exposure and neurobe-

havioral development in 6-10 year olds”, *Environmental Health Perspectives*, 2014, **122**: 521-528.

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Notes: *PhD advisee, †Student for whom I provided substantial mentorship for the paper