

# Brianna F. Moore, Ph.D.

Assistant Professor  
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## Education

- Ph.D. in Environmental Health, Epidemiology Specialization 2015.  
**Colorado State University**
- Honors: 2015 Environmental Health Outstanding Graduate Student Researcher
- M.S. in Health Sciences 2012.  
**The University of Texas at Tyler**
- Honors: Phi Kappa Phi National Honor Society (top 10% of Graduate School)
- B.S. in Health Studies 2010.  
**The University of Texas at Tyler**
- Honors: Graduated *cum laude*; President's Honor Roll; Alpha Chi Honor Society

## Current Position

Assistant Professor 2020–Present.  
**The University of Texas Health Science Center in Austin**

## Research Experience

- Postdoctoral Fellow 2016–2019.  
**Colorado School of Public Health, University of Colorado Anschutz Medical Campus**
- Statistical Consultant (part-time position) 2016–2017.  
**Vermont Department of Health**
- Postdoctoral Fellow (part-time position) 2016.  
**Colorado State University**
- Graduate Research Assistant 2012–2015.  
**Colorado State University**
- Graduate Research Assistant 2010–2012.  
**The University of Texas at Tyler**

## Current Research Support

*Cannabis use in pregnancy and offspring growth and development*  
**Center for Clinical and Translational Sciences (CTS) Pilot Project**  
11/01/2020–06/30/2021.  
\$34,049  
Role: PI

*Cannabis use in pregnancy and offspring glucose-insulin homeostasis*  
**UTHealth PRIME Award for New Investigators**  
09/01/2020–08/31/2021.  
\$24,036  
Role: PI

*Transportability of effect estimates and cross-cohort comparisons in the ECHO program*  
**NIH ECHO Opportunities and Infrastructure Fund UC20D023375**  
09/01/2020–08/31/2022.  
\$200,000  
Role: Co-investigator

*Early-life exposure to secondhand smoke and childhood obesity*  
**National Institute of Environmental Health Sciences (NIEHS) K99/R00ES028711**  
03/01/2020–02/28/2023.  
\$735,051  
Role: PI

## Completed Research Support

*Early-life exposure to secondhand smoke and childhood obesity*  
**National Institute of Environmental Health Sciences (NIEHS) K99/R00ES028711**  
08/15/2018–12/31/2020.  
\$159,180  
Role: PI

*Secondhand smoke exposure and metabolic disorders among U.S. children*  
**American Heart Association 14PRE18230007**  
01/01/2014–12/31/2015.  
\$50,000  
Role: PI-Fellow

*Obesity, eating habits, and body dissatisfaction among Texas adolescents*  
**UT Tyler Office of Sponsored Research**  
01/01/2010–05/30/2010.  
\$2,000  
Role: PI-Undergraduate trainee

## Peer-Reviewed Publications

1. Shapiro ALB, **Moore BF**, Sutton B, Wilkening G, Dabelea D, Tregellas JR. In utero exposure to maternal overweight and obesity alters offspring neuronal activity and functional connectivity in middle-childhood. *Obesity*. Accepted May 9, 2020.
2. **Moore BF\***, Sauder KA, Ringham BM, Glueck DH, Dabelea D. Neonatal adiposity and childhood obesity. *Pediatrics*. Accepted June 24, 2020.  
  
*\*Invited by the Editorial Board to submit a video abstract.*
3. Starling AP, **Moore BF**, Thomas DSK, Peel JL, Zhang W, Adgate JL, Magzamen SL, Martenies SE, Allshouse WB, Harrall KK, Dabelea D. Prenatal exposure to traffic-related air pollution and infant adiposity: The Healthy Start Study. *Environmental Research*. *Environ Res*. 2020 Mar;182:109-130.
4. Prinzing L, **Moore BF**, Grass D, Vose S, Voigt J, Chen H, Schuren A, Spiese R, Schwer C, Schmeltzer J, Cragin L. Assessment of and response to perfluorooctanic acid in drinking water, Bennington, Vermont. *J Environ Health*. 2020 April; 82(8):8-15.
5. **Moore BF**, Butler LM, Bachand A, Salim A, Reynolds SJ, Wang R, Nelson TL, Carmella SG, Peel JL, Murphy SE, Koh W-P, Yuan J-M, Clark ML. Diet, secondhand smoke, and glycated hemoglobin (HbA1c) levels among Singapore Chinese adults. *International Journal of Environmental Research and Public Health*. 2019 Dec 17;16(24). pii: E5148.
6. **Moore BF**, Shapiro AL, Wilkening G, Magzamen S, Starling AP, Allshouse WB, Adgate JL, Dabelea D. Fetal exposure to tobacco and offspring neurodevelopment in the Healthy Start study. *Journal of Pediatrics*. 2019 Nov 20. pii: S0022-3476(19)31467-2.
7. Hockett CW, Harrall K, **Moore BF**, Starling A, Bellatorre A, Sauder K, Aalborg J, Scherzinger A, Garg K, Ringham BM, Glueck DH, Dabelea D. Persistent effects of inter over nutrition on offspring adiposity: the EPOCH study. *Diabetologia*. 2019 Nov;62(11):2017-2024.
8. Koehler K, Good N, Wilson A, Mölter A, **Moore BF**, Carpenter T, Peel JL, Volckens J. The Fort Collins Commuter Study: Variability in personal exposure to air pollutants by microenvironment. *Indoor Air*. 2019 Mar;29(2):231-241
9. **Moore BF**, Starling AP, Magzamen S, Harrod CD, Allshouse WB, Adgate JL, Ringham BM, Glueck DH, Dabelea D. Fetal exposure to maternal active and secondhand smoking with offspring early-life growth in the Healthy Start study. *International Journal of Obesity*. 2019 Apr;43(4):652-662.
10. **Moore BF**, Sauder KA, Hébert JR, Shivappa N, Ringham BM, Glueck DH, Dabelea D. Maternal pro-inflammatory diets during pregnancy and neonatal adiposity in the Healthy Start study. *Journal of Pediatrics*. 2018 Apr;195:121-127.

11. **Moore BF**, Sauder KA, Starling AP, Ringham BM, Glueck DH, Dabelea D. Exposure to secondhand smoke, exclusive breastfeeding and infant adiposity at age 5 months in the Healthy Start study. *Pediatric Obesity*. 2017;12:111-119.
12. Magzamen S, **Moore BF**, Yost MG, Fenske RA, Karr CJ. Ozone-related respiratory morbidity in a low-pollution region. *Journal of Occupational and Environmental Medicine*. 2017 Jul;59(7):624-630.
13. **Moore BF**, Anderson GB, Johnson MG, Brown S, Bradley KK, Magzamen S. Case-crossover analysis of heat-coded deaths and vulnerable subpopulations: Oklahoma, 1990 – 2011. *International Journal of Biometeorology*. 2017 Nov;61(11):1973-1981.
14. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions between diet and exposure to secondhand smoke on glycated hemoglobin (HbA1c) levels among children – Results from NHANES, 2007-2012. *Nicotine and Tobacco Research*. 2017 Jul 1;19(7):845-851.
15. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions of diet and secondhand smoke on the prevalence of obesity among children – Results from NHANES, 2007-2010. *Environmental Health Perspectives*. 2016 Aug;124(8):1316-22.
16. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions of diet and secondhand smoke on the prevalence of metabolic syndrome among children – Results from NHANES, 2007-2010. *Journal of Clinical Endocrinology and Metabolism*. 2016 Jan;101(1):52-8.
17. Good N, Mölter A, Ackerson C, Bachand A, Carpenter T, Clark ML, Clark P, Fedak K, Kayne A, Koehler K, **Moore BF**, L'Orange C, Ugave V, Peel JL, Stuart A, Volckens J. The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. *Journal of Exposure Science and Environmental Epidemiology*. 2016 Jun;26(4):397-404.
18. **Moore BF**, Sorensen W, Bowden-Bryan P. Associations of sex, age and community clinic with hypertension and dyslipidemia among Hispanics in Northeast Texas. *American Journal of Hypertension Research*. 2014;2(1):1-7.
19. **Moore BF**, Pérez A, Sorensen W, Gosselin K, Ballard JE, Saxton DL. Regional and racial/ethnic differences in the association between eating habits, perceived social norms and obesity among Texas Adolescents. *Texas Public Health Journal*. 2014;66(2):6-10.
20. **Moore BF**, Sorensen W, Cooper C, Daussat L. Evaluation of a newly implemented undergraduate global health course in the public university setting. *Journal of General Education*. 2012;6(4):505-526.

## Manuscripts In Preparation

*Mentored student is indicated by an asterisk.*

1. Venter C, Palumbo MP, Sauder KA, Glueck DH, Starling A, Ringham BM, O'Mahony L, **Moore BF**, Yang IV, Dabelea D. Diet inflammatory index in pregnancy is not related to offspring asthma and/or wheeze or pro-inflammatory cytokines and chemokines at birth. *Under review.*
2. **Moore BF**, Martenis S, Magzamen S, Starling AP, Dabelea D. Joint effects of maternal smoking and ambient air pollution on neonatal adiposity and childhood BMI trajectories in the Healthy Start study. *Under review.*
3. **Moore BF**, Kreitner K\*, Clark M, Martenies S, Starling AP, Magzamen S, Adgate J, Dabelea D. Early-life exposure to secondhand smoke and childhood adiposity: Identifying windows of susceptibility. *In preparation.*
4. Martenies SE, Hoskovec L, Wilson A, **Moore BF**, Starling AP, Allshouse WB, Adgate JL, Dabelea D, Magzamen S. A mixtures approach to assessing relationships between environmental and social determinants of health and neonatal size and body composition in the Healthy Start cohort. *In preparation.*

## Conference Presentations

*Presenter is indicated by an asterisk.*

1. Byrd-Williams C\*, Matthews K, Stagg J, **Moore BF**. "Are you aware of federal and state laws to protect breastfeeding women? Results from the 2016 Texas Behavioral Risk Factor Surveillance Survey (BRFSS). Oral Presentation at the American Public Health Association 2020 Virtual Annual Meeting and Expo. October 24-28, 2020.
2. Martenies SE\*, Hoskovec L, Wilson A, **Moore BF**, Starling AP, Allshouse WB, Adgate JL, Dabelea D, Magzamen S. "A mixtures approach to assessing relationships between environmental and social determinants of health and neonatal size and body composition in the Healthy Start cohort." Oral presentation at the International Society for Environmental Epidemiology (ISEE) Virtual Conference. Washington DC. August 24-27, 2020.
3. **Moore BF\***, Starling AP, Martenies S, Magzamen S, Dabelea D. "Maternal smoking and exposure to ambient air pollution during pregnancy on BMI trajectories in the Healthy Start study." Poster presentation at the International Society for Environmental Epidemiology (ISEE) Virtual Conference. Washington DC. August 24-27, 2020.
4. **Moore BF\***, Shapiro AL, Wilkening G, Magzamen S, Starling AP, Allshouse WB, Adgate JL, Dabelea D. "Fetal exposure to tobacco and offspring neurodevelopment in the Healthy Start study." Poster presentation at the 31st conference International Society for Environmental Epidemiology (ISEE). Utrecht, Netherlands. August 25-29, 2019.

5. Hockett CW\*, Starling A, **Moore BF**, Bellatorre, A, Aalborg J, Sauder K, Scherzinger A, Garg K, Ringham BM, Glueck DH, Dabelea D. "Adiposity and cardiovascular markers in offspring of women with diabetes during pregnancy." Oral presentation at the 78th American Diabetes Association Scientific Sessions. Orlando, Florida, United States. June 22-25, 2018.
6. **Moore BF\***, Sauder KA, Hébert JR, Shivappa N, Ringham BM, Glueck DH, Dabelea D. "Dietary inflammatory potential during pregnancy, maternal obesity, and neonatal body composition: the Healthy Start study." Oral presentation at the 77th American Diabetes Association Scientific Sessions. San Diego, California, United States. June 9-13, 2017.
7. **Moore BF\***, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. "Interactions between diet and exposure to secondhand smoke on glycated hemoglobin (HbA1c) levels among children, NHANES, 2007-2010". Poster presentation at the 2016 Epidemiology Congress of the Americas Meeting. Miami, Florida, United States. June 21-24, 2016.
8. **Moore BF\***, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. "Interactions of diet and secondhand smoke on the prevalence of metabolic syndrome among children, NHANES, 2007-2010". Poster presentation at the 48th Society for Epidemiologic Research Annual Meeting. Denver, Colorado, United States. June 16-19, 2015.
9. **Moore BF\***, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. "Interactions of diet and secondhand smoke on the prevalence of obesity among children, NHANES, 2007-2010". Poster presentation at the 48th Society for Epidemiologic Research Annual Meeting. Seattle, Washington, United States. June 24-27, 2014.
10. Good N\*, Carpenter T, **Moore BF**, Clark M, Kayne A, Koehler K, L'Orange C, Stuart A, Peel J, Volckens J. "The Fort Collins Commuter Study: Multi-pollutant spatio-temporal exposure assessment." Peer-reviewed abstract presented at the 2013 Conference Environment and Health – Bridging South, North, East and West; Conference of ISEE, ISES and ISIAQ, Basel, Switzerland. Basel, Switzerland, Europe. August 19-23, 2013.
11. Koehler KA\*, Good N, **Moore BF**, L'Orange C, Clark ML, Kayne A, Stuart A, Peel JL, Volckens J. "A Holistic Approach to Microenvironmental Exposure Assessment: Home, Work, and Commute Personal Exposures to Particulate Air Pollution" Peer-reviewed abstract presented at the 2013 Conference Environment and Health – Bridging South, North, East and West; Conference of ISEE, ISES and ISIAQ, Basel, Switzerland. Basel, Switzerland, Europe. August 19-23, 2013.
12. **Moore BF\***, Pérez A, Sorensen W, Gosselin K, Perez A, Ballard J. "Diet-related behaviors, perceived social norms and obesity among Texas adolescents." Poster presentation at the 10th International Functional Foods in Health and Disease Conference. Santa Barbara, California, United States. March 13-15, 2012.
13. **Moore BF\***, Pérez A, Sorensen W, Gosselin K, Perez A, Ballard J. "Diet motivations and body dissatisfaction among adolescent females". Poster presentation at the Alpha Chi National Scholarship Honor Society Convention. Little Rock, Arkansas,

United States. March 25-27, 2010.

## Invited Seminars and Presentations

1. “Fetal origins of obesity: The role of nutrition and the environment”. Presentation at the Michael and Susan Dell Center for Healthy Living Webinar Series, Austin, Texas, November 3, 2020. Webinar attended by 310 participants.
2. “Prenatal exposure to tobacco and childhood neurocognitive development”. Presentation at the University of Texas Health Science Center at Houston Environmental and Occupational Health and Safety (EOHS) Research Series. Virtual meeting. San Antonio, Texas, October 23, 2020.
3. “Proinflammatory diets during pregnancy and neonatal adiposity”. Presentation for the Pre-, Peri-, Postnatal (PPP) Working Group. Virtual meeting hosted by Environmental Influences on Child Health Outcomes (ECHO), May 27, 2020.

## Teaching Experience

Guest Lecturer for *PBH 338: Environmental Health* Spring 2020.  
**The University of Texas**

- Taught one lecture entitled “Developmental Origins of Health and Disease” to a large (100 student) introductory course for the undergraduate program.

Assistant Instructor for *EPID 7912: Developing a Research Grant* Fall 2019.  
**Colorado School of Public Health, University of Colorado Anschutz Medical Campus**

- Provided critical feedback on grant proposals to 11 PhD and MD students.
- Organized in-person Mock Study Section with faculty from the Medical School, School of Public Health, and other departments.

Assistant Instructor for *EPID 6630: Epidemiology* Fall 2017.  
**Colorado School of Public Health, University of Colorado Anschutz Medical Campus**

- Taught six lectures throughout the semester to a large (130 student) introductory course for the MPH program.
- Held weekly scheduled meetings with students to discuss course topics in depth.

## Mentored Students

### Masters Student Committees:

Kimberly Kreitner, “One Health Implications of Harmful Algal Blooms in Austin and Travis County.” Spring 2020.

### Doctoral Student Committees:

Adrienne Hoyt, “Maternal smoking during pregnancy, adverse birth outcomes, and pediatric behavior and neurodevelopment: Exploring joint effects and periods of susceptibility.” Spring 2023.

## Academic and Professional Service

Organizer for *The Department of Epidemiology seminar series* 2017–2018.  
**Colorado School of Public Health, University of Colorado Anschutz Medical Campus**

Journal Referee,  
*Diabetologia, Health Education and Behavior, International Journal of Environmental Research and Public Health, International Journal of Pediatric Obesity, Obesity, Nicotine and Tobacco Research, Nutrition, Pediatrics, Toxics.*

<https://publons.com/researcher/3901154/brianna-moore/>

Member,  
International Society for Environmental Epidemiology 2020-Present.  
Society for Epidemiologic Research 2020-Present.  
Society for Pediatric and Perinatal Epidemiologic Research 2020-Present.

Last updated: December 18, 2020