

AMBER M HALL
Postdoctoral Research Associate
Department of Epidemiology
Brown University
Providence, RI 02912
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EDUCATION AND TRAINING

Postdoctoral Research Fellow

Brown University Providence, RI
Mentor: Dr. Joseph Braun 2022-Current

PhD in Epidemiology

The University of North Carolina at Chapel Hill Chapel Hill, NC
Advisor: Dr. Stephanie M Engel 2022

MPH in Public Health (concentration: Epidemiology)

East Tennessee State University Johnson City, TN
Advisor: Dr. Arsham Alamian 2013

BS in Chemistry, BA in English

East Tennessee State University Johnson City, TN
2010

RESEARCH EXPERIENCE

Biostatistician

American Society for Parenteral and Enteral Nutrition (ASPEN) Nov. 2014 – August 2022
Dr. Carol Braunschweig

Graduate Research Assistant

Merck & Co., Inc., Philadelphia, PA Aug. 2019 – May 2020
Dr. Deanna Hill

National Institute of Health Summer Intern

National Institute of Environmental Health Science May. 2019 – Aug. 2019
Dr. Quaker Harmon

Graduate Research Assistant

Department of Epidemiology Aug. 2018 – Dec. 2018
University of North Carolina at Chapel Hill, NC Dr. Stephanie Engel

Graduate Research Assistant

Merck & Co., Inc., Philadelphia, PA Aug. 2016 – May 2017
Dr. Morgan Marks

Research Data Manager

Boston Children's Hospital, Boston, MA Nov. 2013 – Sept. 2016
Dr. David Zurakowski

Research Intern

Sullivan County Health Department, Blountville, TN Jan. 2013 – May 2013
Heather Mullins, MPH

Graduate Research Assistant
College of Nursing
East Tennessee State University (ETSU)

Aug. 2011 – May 2013
Dr. Peggy McConnell

AWARDS AND HONORS

Brown University Public Health Research Day, 2024
Best Postgraduate Poster (1st place winner)
Brown University Postdoctoral Research Symposium, 2024
Overall Best Poster (2nd place winner)
Society for Epidemiological Research (SER) Conference 2021
Scholarship
James H. Quillen Graduate Scholarship for Academic 2012-2013
Achievement
Cum Laude, East Tennessee State University 2010
National Scholars Honor Society 2007

PROFESSIONAL ORGANIZATIONS

Society for Epidemiologic Research (SER) 2017-Present
Society for Pediatric and Perinatal Epidemiologic Research 2023-Present
(SPER)
International Society of Environmental Epidemiology (ISEE) 2023-Present

TEACHING EXPERIENCE

Graduate Teaching Assistant
Department of Epidemiology Jan. 2019 – May 2019
University of North Carolina at Chapel Hill, NC Dr. Karin Yeatts
EPID 600 “Principles of Epidemiology for Public Health” Enrollment = 41 in my lab

Graduate Teaching Assistant
Department of Epidemiology Aug. 2018 – Dec. 2018
University of North Carolina at Chapel Hill, NC Dr. Kelly Evenson
EPID 802 “Clinical Research Skills 1: Basics” Enrollment = 12

SERVICES AND ACTIVITIES

Departmental

Postdoctoral Representative, Diversity, and Inclusion Action Plan 2024- Present
Committee (Postdoctoral Research Associate Chair)

JOURNALS REVIEWED FOR

Environmental Epidemiology (2 papers) 2023
Environmental Health (1 paper: co-reviewed) 2023
Environmental Health Perspectives (1 paper) 2023
Environmental Pollution (1 paper) 2023

RESEARCH MENTORING

Harin Lee (High School Student, 2-year research program)

2023-Present, research mentor

WORKSHOPS

1. The Exposome Bootcamp: Measuring Exposures on an Omic Scale. Columbia University; 2022 July 21-22; New York City (NY).
2. A 2-Day Workshop In Use Of Grading Of Recommendations, Assessment, Development and Evaluation (GRADE). New York Academy of Medicine; 2015 Aug 5-7; New York City (NY).
3. Introduction to Clinical Research. Boston Children's Hospital; 2014 Sept 9-12; Boston (MA).
4. Introduction to Longitudinal Data Analysis. Harvard Medical School; 2014 Jan 23, Jan 30, Feb 6, Feb 13; Boston (MA).
5. Meta Analysis (statistics.com); Completed January 13, 2014.
6. Economic Evaluation in Health Care. Boston Children's Hospital; 2013 Feb 12, Feb 19, Feb 26; Boston (MA).

ARTICLES IN PEER-REVIEWED JOURNALS

1. **Hall AM**, Fleury E, Papandonatos G, Buckley JP, Cecil KM, Chen A, Lanphear BP, Yolton K, Walker DI, Pennell K, Braun JM, & Manz K. (2023). Associations of a prenatal serum per- and polyfluoroalkyl substance mixture with the cord serum metabolome in the HOME Study. *Environmental Science & Technology*.
2. Manz KE, Feerick A, Braun JM, Feng, Y, **Hall A**, Koelmel J, Manzano C, Newton S, Pennell K, Place BJ, Godri-Politt K, Prasse C, & Young J. (2023). Non-targeted analysis (NTA) and suspect screening analysis (SSA): a review of examining the chemical exposome. *Journal of Exposure Science & Environmental Epidemiology*, p.1-13.
3. **Hall AM**, Keil A, Choi G, Ramos AM, Richardson DB, Olshan A, Martin CL, Villanger G, Reichborn-Kjennerud T, Zeiner P, Overgaard KR, Sakhi A, Thomsen C, Aase H, & Engel SM. (2023). Prenatal organophosphate ester exposure and executive function in Norwegian preschoolers. *Environmental Epidemiology*, 7(3), p.e251.
4. **Hall AM** and Braun JM. Per and Polyfluoroalkyl Substances and Cardiometabolic Outcomes: A Review. (2023). *American Journal of Lifestyle Medicine*. p.15598276231162802.
5. **Hall, AM**, Ramos, AM, Drover, SS, Choi, G, Keil, AP, Richardson, DB, Martin, CL, Olshan, AF, Villanger, GD, Reichborn-Kjennerud, T & Zeiner, P. (2023). Gestational organophosphate ester exposure and preschool attention-deficit/hyperactivity disorder in the Norwegian Mother, Father, and Child cohort study. *International Journal of Hygiene and Environmental Health*, 248, p.114078.
6. **Hall, AM**, Thistle, JE, Manley, CK, Roell, KR, Ramos, AM, Villanger, GD, Reichborn-Kjennerud, T, Zeiner, P, Cequier, E, Sakhi, AK & Thomsen, C. (2022). Organophosphorus pesticide exposure at 17 Weeks' gestation and odds of offspring attention-deficit/hyperactivity disorder diagnosis in the Norwegian Mother, Father, and Child Cohort Study. *International Journal of Environmental Research and Public Health*, 19(24), p.16851.

Amber M Hall

7. Manley CK, Villanger GD, Thomsen C, Cequier E, Sakhi AK, Reichborn-Kjennerud T, Herring AH, Øvergaard, KR, Zeiner P, Roell KR, Engel LS, Kamai EM, Thistle J, **Hall A**, Aase H, & Engel SM. (2022). Prenatal Exposure to Organophosphorus Pesticides and Preschool ADHD in the Norwegian Mother, Father, and Child Cohort Study. *International journal of environmental research and public health*, 19(13), p.8148.
8. Thistle JE, Ramos A, Roell KR, Choi G, Manley CK, **Hall AM**, Villanger GD, Cequier E, Sakhi, AK, Thomsen C, Zeiner P, Reichborn-Kjennerud T, Øvergaard, KR, Herring A, Aase H, & Engel SM. (2022). Prenatal organophosphorus pesticide exposure and executive function in preschool-aged children in the Norwegian Mother, Father, and Child Cohort Study (MoBa). *Environmental Research*, p.113555.
9. Tadphale SD, Zurakowski D, Bird LE, Yohannan TM, Agrawal VK, Lloyd HG, Allen KJ, Waller BR, **Hall AM**, & Sathanandam SK. (2020). Construction of femoral vessel nomograms for planning cardiac interventional procedures in children 0–4 years old. *Pediatric cardiology*, 41(6), 1135-1144.
10. Graf JI DP, Kumpf VJ, de Aguilar-Nascimento JE, **Hall AM**, McKeever L, Steiger E, Winkler MF, & Compher CW. (2020). ASPEN-FELANPE clinical guidelines: nutrition support of adult patients with enterocutaneous fistula. *Nutricion Hospitalaria*, 37(4), 875-85.
11. Sheean P, Gonzalez MC, Prado CM, McKeever L, Hall AM, & Braunschweig CA. (2020). American Society for Parenteral and Enteral Nutrition clinical guidelines: the validity of body composition assessment in clinical populations. *Journal of Parenteral and Enteral Nutrition*, 44(1), 12-43.
12. Mirek E, Logan D, Boullard K, **Hall AM**, Staffa. SJ, & Sethna N. (2019). Physical therapy outcome measures for assessment of lower extremity chronic pain-related. function in pediatrics. *Pediatric Physical Therapy*, 31(2), 200-207.
13. Kovacevich DS, Corrigan M, Ross VM, McKeever L, **Hall AM**, & Braunschweig C. (2019). American Society for Parenteral and Enteral Nutrition guidelines for the selection and care of central venous access devices for adult home parenteral nutrition administration. *Journal of Pediatric and Enteral Nutrition*, 43(1), 15-31.
14. Michel ME, Konczyk DJ, Yeung KS, Murillo R, Vivero MP, **Hall AM**, Zurakowski D, Adams D, Gupta A, Huang AY, Chung BHY, & Warman ML. (2017). Causal somatic mutations in urine DNA from persons with CLOVES subgroup of the PIK3CA-related Overgrowth Spectrum. *Clinical Genetics*, 93(5), 1075-1080.
15. Sparks EA, Velazco CS, Fullerton BS, Fisher JG, Khan FA, **Hall AM**, Jaksic T, Rodriguez L, & Modi BP. (2017). Ileostomy prolapse in children with intestinal dysmotility. *Gastroenterology Research and Practice*, 2017.
16. Ramappa A, Walley KC, Herder LM, Iyer S, Zurakowski D, **Hall A**, & DeAngelis JP. (2017). Comparison of pain relief and functional improvement in anterior versus posterior corticosteroid

injections for shoulder impingement syndrome. *American Journal of Orthopedics (Belle Mead NJ)* 46(4), 257-262.

17. Mehta NM, Skillman HE, Irving SY, Coss-Bu JA, Vermilyea S, Farrington EA, McKeever L, **Hall AM**, Goday PS, & Braunschweig C. (2017). Guidelines for the provision and assessment of nutrition support therapy in the pediatric critically ill patient: Society of Critical Care Medicine and American Society for Parenteral and Enteral Nutrition. *Pediatric Critical Care Medicine*, 18(7), 675-715.
18. Onwubiko C, Weil BR, Bairdain S, **Hall AM**, Perkins JM, Thangarajah H, McSweeney ME, & Smithers CJ. (2017). Primary laparoscopic gastrojejunostomy tubes as a feeding modality in the pediatric population. *Journal of Pediatric Surgery*, 52(9), 1421-1425.
19. **Hall AM**, Lee S, & Zurakowski D. (2017). Quality assessment of meta-analyses published in leading anesthesiology journals from 2005-2014. *Analgesia and Analgesia*, 124(6), 2063-2067.
20. Rottgers SA, Lim SY, **Hall AM**, Zurakowski D, & Mulliken JB. (2017). Longitudinal photogrammetric analysis of the columellar-labial angle following primary repair of bilateral cleft and nasal deformity. *Plastic and Reconstructive Surgery*, 139(5), 1190-1199.
21. Fullerton BS, Sparks EA, **Hall AM**, Velazco CS, Modi BP, Lund DP, Jaksic T, & Hendron WH. (2017). High prevalence of same-sex twins in patients with cloacal extrophy: support for embryological association with monozygotic twinning. *Journal of Pediatric Surgery*, 52(5), 807-809.
22. Hambright DH, Walley KC., **Hall A**, Appleton PT, & Rodriguez EK. (2017). Revisiting tension band fixation for difficult patellar fractures. *Journal of Orthopaedic Trauma*, 31(2), e66-e72.
23. Kumpf VJ, de Aguilar-Nascimento JE, Graf JIDP, **Hall AM**, McKeever L, Steiger E, Winkler MF, & Compher CW. (2016). ASPEN-FELANPE clinical guidelines nutrition support of adult patients with enterocutaneous fistula. *Journal of Parenteral and Enteral Nutrition*, 41(1), 104-112.
24. Alamian A, Wang L, **Hall A**, Pitts M, & Ikekwere J. (2016). Infant sleep problems and childhood overweight: effects of three definitions of sleep problems. *Preventive Medicine Reports*, 4(463-468).
25. Rodriguez EK, Zurakowski D, Herder L, **Hall A**, Walley KC, Weaver MJ, Appleton PT, & Vrahas M. (2016). Mechanical construct characteristics predisposing to non-union after locked lateral plating of distal femur fractures. *Journal of Orthopaedic Trauma*, 30(8), 403-408.
26. Zhang M, Mani SB, He Y, **Hall AM**, Xu L, Li Y, Zurakowski D, Jay GD, & Warman ML. (2016). Induced superficial chondrocyte death reduces catabolic cartilage damage in murine posttraumatic osteoarthritis. *The Journal of Clinical Investigation*, 126(8).
27. Fullerton BS, Sparks EA, **Hall AM**, Chan YM, Duggan C, Lund DP, Modi BP, Jaksic T, & Hendren WH. (2016). Growth morbidity in patients with cloacal exstrophy: a 42 year experience. *Journal of Pediatric Surgery*, 51(1):96-100.

28. Defroda S, Kritz P, **Hall AM**, Zurakowski D, & Fadale P. (2016). Risk stratification for ULC tears in Major League Baseball: a retrospective study from 2007-2014. *Orthopedic Journal of Sports Medicine*, 4(2), 2325967115627126.
29. Schwarzkopf R, Bauer A, Chaurasia A, **Hall AM**, Zurakowski D, & Scott RD. (2016). Distal femoral aspect ratios throughout childhood: an MRI study of normative data and sex comparisons. *Journal of Pediatric Orthopedics*, 25(3), 241-244.
30. Sanderson A, **Hall AM**, & Wolfe J. (2016). Advance care discussions: pediatric clinical preparedness and practices. *Journal of Pain and Symptom Management*, 51(3), 520-528.
31. Sparks EA, Khan FA, Fisher JG, Fullerton B, **Hall A**, Raphael BP, Duggan C, Modi BP, & Jaksic T. (2016). Necrotizing enterocolitis is associated with earlier achievement of enteral autonomy in children with short bowel syndrome. *Journal of Pediatric Surgery*, 51(1), 92-95.
32. Fullerton BS, Sparks EA, **Hall AM**, Duggan C, Jaksic T, & Modi BP. (2016). Enteral autonomy, cirrhosis, and long term transplant-free survival in pediatric intestinal failure patients. *Journal of Pediatric Surgery*, 51(1), 96-100.
33. Plummer P, Zukowski LA, Giuliani C, **Hall AM**, & Zurakowski D. (2015). Effects of physical exercise interventions on gait-related dual-task interference in older adults: a systematic review and meta-analysis. *Gerontology*, 62(1), 94-117.
34. Dagi LR, Tiedemann LM, Heidary G, Robson CD, **Hall AM**, & Zurakowski D. (2014). Using spectral-domain optical coherence tomography to detect optic neuropathy in patients with craniosynostosis. *Journal of American Association for Pediatric Ophthalmology and Strabismus*, 18(6), 543-549.
35. Sethna NF, Yahalom B, Schmidt B, **Hall AM**, & Zurakowski D. (2014). The analgesic effect of a vapocoolant stream spray in reducing heat nociception on the glabrous skin of rat pups. *Anesthesia & Analgesia*, 119(6), 1367-1372.

MANUSCRIPTS IN PROGRESS/ UNDER REVIEW

1. **Hall AM**, Ashley-Martin J, Liang CL, Papandonatos G, Arbuckle TE, Borghese MM, Buckley JP, Cecil K, Chen A, Fisher M, Lanphear BP, Palaniyandi J, Rawn DFK, Yolton K, & Braun JM. Personal care product use and perfluoroalkyl substances in pregnant and postpartum people and adolescents: The MIREC and HOME studies. *Manuscript under review at ES&T*.
2. **Hall AM**, Fisher M, Arbuckle T, Sears C, Booij L, Borghese M, Bouchard M, Chen A, Krzeczowski J, Oulhote Y, Shutt R, Thomson E, Ashley-Martin J, & Braun JM. Associations of gestational serum per- and polyfluoroalkyl substances and urinary phthalate mixtures with maternal postpartum hair cortisol: the Maternal-Infant Research on Environmental Chemicals (MIREC) study. *Data analysis in progress. Preliminary results submitted to ISES 2024*.

3. **Hall AM**, Papandonatos G, Buckley JP, Cecil KM, Chen A, Lanphear BP, Yolton K, Walker DI, Pennell K, & Braun JM. Associations between hypertensive disorders of pregnancy, birthweight-for-gestational age, and gestational age in the Health Outcomes and Measure of the Environment study. *Data analysis in progress; preliminary results available.*
4. Lee H, Chen A, Lanphear BP, Yolton K, Braun JM, & **Hall AM**. Associations of a prenatal perfluoroalkyl substance mixture and cord blood folate levels in the HOME study. *Data analysis completed, manuscript under coauthor review.*
5. Fleury E, **Hall AM**, Papandonatos G, Buckley JP, Cecil KM, Chen A, Lanphear BP, Yolton K, Walker DI, Pennell K, Braun JM, & Manz K. Cord serum metabolome and adolescent cardiometabolic outcomes in the HOME study: an untargeted metabolomics approach. *Data analysis completed, manuscript in preparation.*

PROFESSIONAL EDUCATIONAL MATERIALS OR REPORTS, IN PRINT OR OTHER MEDIA

Sullivan County Health Department. 2012 Community Health Status Assessment: Sullivan County, Tennessee. <http://sullivanhealth.org/wp-content/uploads/2016/07/Final-Version-Sullivan-County-CHSA-Nov-22-2013.pdf>

ORAL PRESENTATIONS

1. Associations of a prenatal serum per- and polyfluoroalkyl substance mixture with the cord serum metabolome in the HOME Study. Mixture Working Group, National Institute of Environmental Health Science. December 14, 2023. Durham (NC).
2. Associations of personal care product use with plasma, serum, and breastmilk concentrations of per- and polyfluoroalkyl substances: The MIREC and HOME studies. International Society of Environmental Epidemiology. September 2023. Kaohsiung, Taiwan.
3. Associations of personal care product use with plasma, serum, and breastmilk concentrations of per- and polyfluoroalkyl substances: The MIREC and HOME studies. Society for Epidemiological Research (SER). June 14, 2023. Portland (OR).
4. Associations of personal care product use with plasma, serum, and breastmilk concentrations of per- and polyfluoroalkyl substances: The MIREC and HOME studies. Society for Pediatric, Perinatal, and Environmental Epidemiological Research (SPER); *plenary session*. June 13, 2023. Portland (OR).
5. The impact of exposure to prenatal organophosphate esters on executive function in preschoolers. Environmental Seminar, University of North Carolina-Chapel Hill. April 22, 2022. Chapel Hill (NC).
6. The impact of exposure to prenatal organophosphate esters on attention-deficit/hyperactivity disorder and executive function in preschoolers. Special Seminar, Brown University. April 19, 2022. Chapel Hill (NC).
7. Exploring associations between organophosphorus flame-retardants exposure and preschool ADHD. Environmental Seminar, University of North Carolina-Chapel Hill. April 20, 2021. Chapel Hill (NC).

Amber M Hall

POSTER PRESENTATIONS

1. **Hall AM**, Fleury E, Papandonatos G, Buckley JP, Cecil KM, Chen A, Lanphear BP, Yolton K, Walker DI, Pennell K, Braun JM, & Manz K. Prenatal serum per- and polyfluoroalkyl substances are associated with the cord serum metabolome in the HOME Study. Public Health Research Day, Brown University. April 2, 2024. Providence (RI). *1st place postdoctoral research associate winner.*
2. **Hall AM**, Fleury E, Papandonatos G, Buckley JP, Cecil KM, Chen A, Lanphear BP, Yolton K, Walker DI, Pennell K, Braun JM, & Manz K. Associations of a prenatal serum per- and polyfluoroalkyl substance mixture with the cord serum metabolome in the HOME Study. Postdoctoral Research Symposium. March 25, 2024. Providence (RI). *2nd place overall winner.*
3. **Hall AM**, Ashley-Martin J, Liang CL, Arbuckle TE, Borghese MM, Buckley JP, Cecil K, Chen A, Fisher M, Lanphear BP, Palaniyandi J, Rawn DFK, Yolton K, Braun JM. Personal care product use and perfluoroalkyl substances in pregnant and postpartum women and adolescents: The MIREC and HOME studies. Public Health Research Day, Brown University. April 4, 2023. Providence (RI).
4. **Hall AM**, Ramos A, Drover SM, Choi G, Keil AP, Richardson DB, Martin CL, Olshan A, Villanger G, Reichborn-Kjennerud T, Zeiner P, Thomsen C, Sakhi A, Aase H, Engel SM. A nested case-control study of prenatal exposure to organophosphate esters and preschool ADHD in the Norwegian Mother, Father, and Child Cohort. Society for Epidemiological Research (SER). June 14-17, 2022. Chicago (IL).
5. **Hall AM**, Thistle J, Manley C, Villanger G, Reichborn-Kjennerud T, Zeiner P, Sakhi A, Thomsen C, Aase H, Engel SM. Prenatal exposure to organophosphorus pesticides and ADHD in the Norwegian Mother, Father, and Child Cohort. Society for Epidemiological Research (SER). June 22-25, 2021. San Diego (CA).
6. **Hall AM**, Harmon QE, White AJ, & Baird DD. Sources of exposure to polycyclic aromatic hydrocarbons in young women in Detroit. NIEHS Summer Intern Poster Day. July 25, 2019. Durham (NC).
7. **Hall AM**, Beaulieu B, Luff D, & Meyer E. Learners' Preference for simulation location in program to enhance communication and relational skills (PERCS) workshops. EACH International Conference for Communication in Healthcare. Sept 7-10 (2016). Heidelberg, Germany.

Other

Software: RevMan, SPSS, SigmaPlot, Comprehensive Meta-Analysis (CMA), ArcGIS, ArcMap, GeoDa, nQuery
Languages: R, SAS