

Curriculum Vitae
Anne P. Starling, PhD

CONTACT INFORMATION

Department of Epidemiology
Gillings School of Global Public Health
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APPOINTMENTS

University of North Carolina at Chapel Hill Department of Epidemiology Gillings School of Global Public Health Associate Professor	2023-present
Assistant Professor	2021-2023
University of Colorado Anschutz Medical Campus Department of Epidemiology Colorado School of Public Health Adjunct Associate Professor	2024-present
Adjunct Assistant Professor	2021-2024
Assistant Professor	2017-2021

EDUCATION

Postdoctoral	Epidemiology, Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO	2017
Ph.D.	Epidemiology, Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC	2013
M.Phil.	Biological Anthropology, Leverhulme Centre for Human Evolutionary Studies, University of Cambridge, United Kingdom	2005
B.S.	Biological Anthropology and Anatomy, <i>magna cum laude</i> , Duke University, Durham, NC.	2003

CURRENT RESEARCH SUPPORT

NIH Office of the Director UG3OD035526 (MPI: Dabelea, Moore, Starling) <i>Title:</i> Early Life Determinants of Child Health: A New Denver-Based Cohort <i>Role:</i> PI	2023-2025
UNC Gillings School of Global Public Health, Place and Health Pilot Funding <i>Title:</i> Developing and testing a novel spatial model of drinking water exposure to per-	2023-2024

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and polyfluoroalkyl substances in NC. Role: PI

National Institute of Environmental Health Sciences R01ES032213 (MPI: Starling, Dabelea). *Title*: Environmental chemical exposures during pregnancy and women's cardio-metabolic health. Role: PI 2020-2025

Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention U01000300 (MPI: Adgate, Starling). *Title*: PFAS Exposure and Health Effects in El Paso County, Colorado. Role: PI 2019-2025

PEER-REVIEWED PUBLICATIONS

(* Denotes student or trainee whom I mentored on this project)

1. Barrett, E.S., J.L. Ames, S.M. Eick, A.K. Peterson, Z. Rivera-Nunez, **A.P. Starling**, J.P. Buckley, ECHO Cohort Consortium. Advancing understanding of chemical exposures and maternal-child health through the US Environmental influences on Child Health Outcomes (ECHO) program: A Scoping Review. *Current Environmental Health Reports*, 2024 Jul 10. doi: 10.1007/s40572-024-00456-5. Online ahead of print.
2. Thistle, J.E., C. Liu, J. Rager, A. Singer, K. Chen, C. Manley, J. Piven, J. Gilmore, A.P. Keil, **A.P. Starling**, H. Zhu, W. Lin, K. Lu, S.M. Engel. Urinary metabolite concentrations of phthalates and plasticizers in infancy and childhood in the UNC Baby Connectome Project. *Environmental Research*, 2024 Jun 27:259:119467. doi: 10.1016/j.envres.2024.119467. Online ahead of print.
3. Barton, K.E., P.J. Anthamatten, J.L. Adgate, L.M. McKenzie, **A.P. Starling**, K. Berg, R.C. Murphy, K. Richardson. A data-driven approach to identifying PFAS water sampling priorities in Colorado, United States. Accepted for publication in *Journal of Exposure Science and Environmental Epidemiology*, June 17, 2024.
4. Waldrop, S.W., K.A. Sauder, S.S. Niemiec, K. Kechris, I.V. Yang, **A.P. Starling**, W. Perng, D. Dabelea, S.J. Borengasser. Differentially Methylated Regions Interrogated for Metastable Epialleles Associates with Offspring Adiposity. Accepted for publication in *Epigenomics*, May 21, 2024.
5. Trasande, L., M.E. Nelson, A. Alshawabkeh, E.S. Barrett, J.P. Buckley, D. Dabelea, A.L. Dunlop, J.B. Herbstman, J.D. Meeker, M. Naidu, C. Newschaffer, A.M. Padula, M.E. Romano, D.M. Ruden, S. Sathyanarayana, S.L. Schantz, **A.P. Starling**, G.B. Hamra, programme collaborators for Environmental influences on Child Health Outcomes. Prenatal Phthalate Exposure and Adverse Birth Outcomes: a Prospective Analysis of U.S. Births and Estimates of Attributable Burden and Costs. *The Lancet Planetary Health*, 2024 Feb;8(2):e74-e85.
6. **Starling, A.P.**, C.M. Friedman, K.E. Boyle, J.L. Adgate, D.H. Glueck, W.B. Allshouse, A.M. Calafat, L.D. Bloemsa, D. Dabelea. Prenatal exposure to per- and polyfluoroalkyl substances and early childhood adiposity and cardiometabolic health in the Healthy Start study. *International Journal of Obesity*, 2024 Feb;48(2):276-283.
7. Liu, S.H., Y. Chen, L. Feuerstahler, A. Chen, **A. Starling**, D. Dabelea, X. Wang, K. Cecil, B. Lanphear, K. Yolton, J.M. Braun, J.P. Buckley. The U.S. PFAS exposure burden calculator for 2017-2018: Application to the HOME Study, with comparison of epidemiological findings from NHANES. *Neurotoxicology and Teratology*, 2024 Mar-Apr:102:107321.

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8. Oh, J., J.P. Buckley, K.K. Gachigi, X. Li, K. Kannan, W. Lyu, J.L. Ames, E.S. Barrett, T.M. Bastain, C.V. Breton, C. Buss, L.A. Croen, A.L. Dunlop, A. Ferrara, A. Ghassabian, J.B. Herbstman, I. Hernandez-Castro, I. Hertz-Picciotto, L.G. Kahn, M.R. Karagas, J.R. Kuiper, C.T. McEvoy, J.D. Meeker, R. Morello-Frosch, A.M. Padula, M.E. Romano, S. Sathyanarayana, S. Schantz, R.J. Schmidt, H. Simhan, **A.P. Starling**, F.A. Tylavsky, H.E. Volk, T.J. Woodruff, Y. Zhu, D.H. Bennett, program collaborators for Environmental influences on Child Health Outcomes. Associations of organophosphate ester flame retardant exposures during pregnancy with gestational duration and fetal growth: The Environmental influences on Child Health Outcomes Program. *Environmental Health Perspectives*, 2024 Jan;132(1):17004.
9. Jacobson, M.H., G.B. Hamra, C. Monk, R.M. Crum, S. Upadhyaya, L.A. Avalos, T.M. Bastain, E.S. Barrett, A. Ciesla, A. Dunlop, A.J. Elliott, A. Ferrara, M. Firestein, A. Hipwell, K. Kannan, J. Lewis, **A.P. Starling**, D.J. Watkins, P. Ye, L. Trasande. Prenatal exposure to nonpersistent environmental chemicals and postpartum depression: An Environmental Influences on Child Health Outcomes (ECHO) study. *JAMA Psychiatry*, 2024 Jan 1;81(1):67-76.
10. Trasande, L., M. Nelson, A. Alshawabkeh, E. Barrett, J. Buckley, D. Dabelea, A.L. Dunlop, J. Herbstman, J. Meeker, M. Naidu, C. Newschaffer, A.M. Padula, M. Romano, D.M. Ruden, S. Sathyanarayana, S. Schantz, **A.P. Starling**, T. Etzel, G.B. Hamra. Prenatal Phenol and Paraben Exposures and Adverse Birth Outcomes: a Prospective Analysis of U.S. Births. *Environment International*, 2023 Dec 12;183:108378.
11. Zell-Baran, L.M.*, J.M. Norris, D.H. Glueck, J.L. Adgate, J.M. Brown, D. Dabelea, K. Harrall, **A.P. Starling**. Prenatal exposure to poly- and perfluoroalkyl substances (2009-2014) and vaccine antibody titers of measles, mumps, rubella, and varicella in four- to eight-year-old children from the Healthy Start Cohort. *Environmental Health Perspectives* 2023 Dec;131(12):127018.
12. Welch, B.M., A.P. Keil, J.P. Buckley, S.M. Engel, T. James-Todd, A.R. Zota, A.N. Alshawabkeh, E.S. Barrett, M.S. Bloom, N.R. Bush, J.F. Cordero, D. Dabelea, B. Eskenazi, B.P. Lanphear, V. Padmanabhan, S. Sathyanarayana, S.H. Swan, J. Aalborg, D.D. Baird, A.M. Binder, A. Bradman, J.M. Braun, A.M. Calafat, D.E. Cantonwine, K.E. Christenbury, E.Z. Drobnis, P. Factor-Litvak, K.G. Harley, R. Hauser, J.B. Herbstman, I. Hertz-Picciotto, N. Holland, A.M.Z. Jukic, T.F. McElrath, J.D. Meeker, C. Messerlian, K.B. Michels, R.B. Newman, R.H.N. Nguyen, K.M. O'Brien, V.A. Rauh, B. Redmon, D.Q. Rich, E.M. Rosen, R.J. Schmidt, A.E. Sparks, **A.P. Starling**, C. Wang, D.J. Watkins, C.R. Weinberg, B. Weinberger, A.G. Wenzel, A.J. Wilcox, K. Yolton, Y. Zhang, K.K. Ferguson, for the Pooled Phthalate Exposure and Preterm Birth Study Group. Racial and ethnic disparities in phthalate exposure and preterm birth: A pooled study of 16 US cohorts. *Environmental Health Perspectives*, 2023 Dec;131(12):127015.
13. Zell-Baran, L.M.*, C. Venter, D. Dabelea, J.M. Norris, D.H. Glueck, J.L. Adgate, J.L., J.M. Brown, A.M. Calafat, K. Pickett, **A.P. Starling**. Prenatal exposure to poly- and perfluoroalkyl substances and the incidence of asthma in early childhood. *Environmental Research*, 2023 Dec 15;239(Pt 1):117311.
14. Friedman, C.*, D.H. Glueck, W.B. Allshouse, J.L. Adgate, K.P. Keller, S.E. Martenies, S. Magzamen, **A.P. Starling**. Early-life exposure to residential black carbon and childhood cardiometabolic health. *Environmental Research*, 2023 Dec 15;239(Pt 2):117285.
15. Choudhary, P., G. Monasso, V. Karhunen, J. Ronkainen, G. Mancano, C.G. Howe, Z. Niu, X. Zeng, W. Guan, J. Dou, J.I. Feinberg, C. Mordant, G. Pesce, N. Baiz, R. Alfano, D. Martens, C. Wang, E. Isaevska, E. Keikkala, S. Mustaniemi, C.H.L. Thio, E. Fraszczyk, E.W. Tobi, **A.P. Starling**, M.

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- Cosin-Tomas, J. Urquiza, S. Roder, T.T. Hoang, C. Page, D.D. Jima, J.S. House, R.L. Maguire, R. Ott, X. Pawlow, L. Sirignano, L. Zillich, A. Malmberg, S. Rauschert, P. Melton, T. Gong, R. Karlsson, R. Fore, W. Perng, Z. Laubach, D. Czamara, G. Sharp, C.V. Breton, E. Schisterman, S.L. Mumford, E. Yeung, M.D. Fallin, J.M. LaSalle, R.J. Schmidt, K.M. Bakulski, I. Annesi-Maesano, B. Heude, T.S. Nawrot, M. Plusquin, A. Ghantous, Z. Herceg, L. Nistico, M. Vafeiadi, M. Kogevinas, M. Vaarasmaki, E. Kajantie, H. Snieder, E. Corpeleijn, R.P.M. Steegers-Theunissen, I.V. Yang, D. Dabelea, S. Fossati, A.C. Zenclussen, G. Herberth, M. Magnus, S.E. Haberg, S.J. London, M.C. Munthe-Kaas, S.K. Murphy, C. Hoyo, A.G. Ziegler, S. Hummel, S.H. Witt, F. Streit, J. Frank, K. Raikonen, J. Lahti, R. Huang, C. Almqvist, M. Hivert, V.W.V. Jaddoe, M. Jarvelin, M. Kantomaa, J.F. Felix, S. Sebert. Maternal educational attainment in pregnancy and epigenome-wide DNA methylation changes in the offspring from birth until adolescence. *Molecular Psychiatry*, 2024 Feb;29(2):348-358.
16. Lewis, J.V., E. Knapp, S. Bakre, A. Dickerson, T. Bastain, C. Bendixsen, D. Bennett, C. Camargo, A. Cassidy-Bushrow, E. Colicino, V. D'Sa, D. Dabelea, S. Deoni, A. Dunlop, A. Elliott, S. Farzan, A. Ferrara, R. Fry, T. Hartert, C. Howe, L. Kahn, M. Karagas, D. Koinis-Mitchell, T. Ma, D. MacKenzie, L. Maldonado, F. Merced-Nieves, J. Neiderhiser, A. Nigra, Z. Niu, S. Nozadi, Z. Rivera-Nunez, T. O'Connor, S. Osmundson, A. Padula, A. Peterson, A. Sherris, **A. Starling**, J. Straughen, R. Wright, Q. Zhao, A.M. Kress. Associations between area-level arsenic exposure and adverse birth outcomes: An ECHO-wide cohort analysis. *Environmental Research*, 2023 Nov 1;236(Pt 2):116772.
17. Harris, H.A., C. Friedman, **A.P. Starling**, D. Dabelea, S.L. Johnson, B.F. Fuemmeler, D. Jima, S.K. Murphy, C. Hoyo, P.W. Jansen, J.F. Felix, R. Mulder. An epigenome-wide association study of child appetitive traits and DNA methylation. *Appetite*, 2023 Dec 1;191:107086.
18. Kadalayil, L., M.Z. Alam, C.H. White, A. Ghantous, E. Walton, O. Gruzieva, S.K. Merid, A. Kumar, R.P. Roy, O. Solomon, K. Huen, B. Eskenazi, P. Rzehak, V. Grote, B. Koletzko, J. Langhendries, E. Verduci, N. Ferre, L. Gao, W. Guan, X. Zeng, E.F. Schisterman, J.F. Dou, K.M. Bakulski, J.I. Feinberg, M.H. Soomro, I. Annesi-Maesano, G. Pesce, M. Popovic, M. Plusquin, M. Vafeiadi, T. Roumeliotaki, S.A.S. Langie, A. Standaert, C. Allard, P. Perron, L. Boucharde, E.R. van Meel, J.F. Felix, V.W.V. Jaddoe, P.D. Yousefi, E.A. Nohr, C.L. Relton, E.W. Tobi, **A.P. Starling**, I.V. Yang, M. Llambrich, G. Santorelli, J. Lepeule, L.A. Salas, M. Bustamante, S.L. Ewart, H. Zhang, W. Karmaus, S. Roder, A.C. Zenclussen, J. Jin, W. Nystad, C.M. Page, M. Magnus, D.D. Jima, C. Hoyo, R.L. Maguire, T. Kvist, D. Czamara, K. Raikonen, T. Gong, V. Ullemer, S.L. Rifas-Shiman, E. Oken, G.C. Sharp, E. Melen, J.L. Wiemels, N. Holland, D. Gruszfeld, C.V. Breton, E. Yeung, M.D. Fallin, N. Baiz, E. Isaevska, T.S. Nawrot, M. Kogevinas, V. Nelen, L. Duijts, T.I.A. Sorensen, C.H. Ramlau-Hansen, R.P.M. Steegers-Theunissen, D. Dabelea, R. Grazuleviciene, J. Sunyer, H. Arshad, G. Herberth, S. London, S.E. Habert, S.K. Murphy, J. Lahti, R. Karlsoon, C. Almqvist, M. Hivert, M.J. Silver, F.I. Rezan, J.W. Holloway. Analysis of DNA methylation at birth and in childhood reveals changes associated with season of birth and latitude. *Clinical Epigenetics*, 2023 Sep 11;15(1):148.
19. Stevens, D.R., **A.P. Starling**, P. Bommarito, A. Keil, D. Nakiwala, A.M. Calafat, J.L. Adgate, D. Dabelea, K.K. Ferguson. Mid-pregnancy phthalate and phenol biomarkers in relation to infant body composition: the Healthy Start prospective cohort. *Environmental Health Perspectives*, 2023 Aug;131(8):87017.
20. **Starling, A.P.** Invited perspective: Per- and polyfluoroalkyl substances and impaired antibody response to vaccination: who is affected? *Environmental Health Perspectives*, 2023 Aug;131(8):81304.

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21. Niemiec, S.S.*, K. Kechris, J. Pattee, I.V. Yang, J.L. Adgate, A.M. Calafat, D. Dabelea, **A.P. Starling**. Prenatal exposures to per- and polyfluoroalkyl substances and accelerated epigenetic aging in umbilical cord blood: the Healthy Start Study. *Environmental Research*, 2023 Aug; 231(Pt 2):116215.
22. Friedman, C.*, D. Dabelea, J.L. Adgate, D.H. Glueck, A.M. Calafat, **A.P. Starling**. Maternal serum per- and polyfluoroalkyl substances during pregnancy and breastfeeding duration. *Environmental Epidemiology*, 2023 Jun 16;7(4):e260.
23. Liu, Y., A.C. Wosu, G.B. Hamra, A.F. Fleisch, A.L. Dunlop, **A.P. Starling**, A. Ferrara, D. Dabelea, E. Oken, J.P. Buckley, L. Chatzi, M.R. Karagas, M.E. Romano, S. Schantz, T.G. O'Connor, T.J. Woodruff, Y. Zhu, J.M. Braun, on behalf of program collaborators for ECHO. Associations of Gestational Perfluoroalkyl Substances Exposure with Early Childhood BMI Z-Scores and Risk of Overweight/Obesity: Results from the ECHO Cohorts. *Environmental Health Perspectives*, 2023 Jun; 131(6):67001.
24. Zell-Baran, L.*, **A.P. Starling**, D.H. Glueck, T. Bekelman, J.M. Norris, J.L. Adgate, J. Brown, D. Dabelea. Vaccination trends and family-level characteristics associated with incomplete or delayed childhood immunizations: the Healthy Start study. *American Journal of Health Promotion*, 2023 May;37(4):524-528.
25. Meeks, J., S. Mass, J.L. Adgate, K. Barton, K. Singha, J. McCray, **A.P. Starling**, C.P. Higgins. Estimating historical exposure to perfluoroalkyl acids in Security, Fountain, and Widefield, Colorado: Use of water-infrastructure blending and toxicokinetic models. *Environmental Science: Processes & Impacts*, 2023 May; 25(5):996-1006.
26. Cohen, C.C., W. Perng, K.A. Sauder, A.L. Shapiro, **A.P. Starling**, C. Friedman, J.F. Felix, L.K. Kupers, B.F. Moore, J.R. Hebert, N. Shivappa, A. Scherzinger, S.S. Sundaram, K. Shankar, D. Dabelea. Maternal diet quality during pregnancy and offspring hepatic fat in early childhood: the Healthy Start study. *The Journal of Nutrition*, 2023 Apr; 153(4):1122-1132.
27. Padula, A.M., X. Ning, S. Bakre, E.S. Barrett, T. Bastain, D.H. Bennett, M. Bloom, C.V. Breton, A.L. Dunlop, S.M. Eick, A. Ferrara, A. Fleisch, S. Geiger, D.E. Goin, K. Kannan, M.R. Karagas, S. Korrick, J. Meeker, R. Morello-Frosch, T.G. O'Connor, E. Oken, M. Robinson, M.E. Romano, S.L. Schantz, R.L. Schmidt, **A.P. Starling**, Y. Zhu, G.B. Hamra, T.J. Woodruff. Birth outcomes in relation to prenatal exposure to per- and polyfluoroalkyl substances (PFAS) and stress in the Environmental influences on Child Health Outcomes (ECHO) program. *Environmental Health Perspectives*, 2023 Mar;131(3):37006.
28. Kowalski, K., J. Auerbach, S. Martenies, **A.P. Starling**, B. Moore, D. Dabelea, S. Magzamen. Neighborhood walkability, historical redlining, and childhood obesity in Denver, Colorado. *Journal of Urban Health*, 2023 Feb;100(1):103-117.
29. Harrall, K.K., K. Muller, **A.P. Starling**, D. Dabelea, K. Barton, J.L. Adgate, D.H. Glueck. Power and sample size analysis for longitudinal mixed models of health in populations exposed to environmental contaminants: a tutorial. *BMC Medical Research Methodology*, 2023 Jan 12; 23 (1):12.
30. Moore, B.F., K.J. Kreitner, **A.P. Starling**, S.E. Martenies, S. Magzamen, M. Clark, D. Dabelea. Early-life exposure to tobacco and childhood adiposity: Identifying windows of susceptibility. *Pediatric Obesity*, 2022 Dec;17(12):e12967.

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31. **Starling, A.P.**, C. Wood, C. Liu, K. Kechris, I.V. Yang, C. Friedman, D.S.K. Thomas, J.L. Peel, J.L. Adgate, S. Magzamen, S.E. Martenies, W.B. Allshouse, D. Dabelea. Ambient air pollution during pregnancy and DNA methylation in umbilical cord blood, with potential mediation of associations with infant adiposity: The Healthy Start study. *Environmental Research*, 2022 Nov;214(Pt 1):113881.
32. Martenies, S.E., L. Hoskovec, A. Wilson, B.F. Moore, **A.P. Starling**, W.B. Allshouse, J.L. Adgate, D. Dabelea, S. Magzamen. Using non-parametric Bayes shrinkage to assess relationships between multiple environmental and social stressors and neonatal size and body composition in the Healthy Start cohort. *Environmental Health*, 2022 Nov 19;21(1):111.
33. Küpers, L., S. Fernández-Barrés, A. Nounu, C. Friedman, R. Fore, G. Mancano, D. Dabelea, S. Rifas-Shiman, R.H. Mulder, E. Oken, L. Johnson, M. Bustamante, V.W.V. Jaddoe, M. Hivert, **A.P. Starling**, J.H. de Vries, G.C. Sharp, M. Vrijheid, J.F. Felix. Maternal Mediterranean diet in pregnancy and newborn DNA methylation - a meta-analysis in the PACE Consortium. *Epigenetics*, 2022 Nov;17(11):1419-1431.
34. Welch, B.M., A.P. Keil, J.P. Buckley, A.M. Calafat, K.E. Christenbury, S.M. Engel, K.M. O'Brien, E.M. Rosen, T. James-Todd, A.R. Zota, A.N. Alshawabkeh, J.F. Cordero, J.D. Meeker, E.S. Barrett, N.R. Bush, R.H.N. Nguyen, S. Sathyanarayana, S.H. Swan, D.E. Cantonwine, T.F. McElrath, J. Aalborg, D. Dabelea, **A.P. Starling**, R. Hauser, C. Messerlian, Y. Zhang, A. Bradman, B. Eskenazi, K.G. Harley, N. Holland, M.S. Bloom, R.B. Newman, A.G. Wenzel, J.M. Braun, B.P. Lanphear, K. Yolton, P. Factor-Litvak, J.B. Herbstman, V.A. Rauh, E.Z. Drobnis, A.E. Sparks, J.B. Redmon, C. Wang, A.M. Binder, K. B. Michels, D.D. Baird, A.M.Z. Jukic, C.R. Weinberg, A.J. Wilcox, D.Q. Rich, B. Weinberger, V. Padmanabhan, D.J. Watkins, I. Hertz-Picciotto, R.J. Schmidt, K.K. Ferguson. Associations between prenatal urinary biomarkers of phthalate exposure and preterm birth: A pooled study of 16 US cohorts. *JAMA Pediatrics*, 2022 Sep 1;176(9):895-905.
35. Sammallahti, S., M.E. Koopman-Verhoeff, A. Binter, R.H. Mulder, A.A. Cabré-Riera, T. Kvist, A.L.K. Malmberg, G. Pesce, S. Plancoulaine, J.A. Heiss, S.L. Rifas-Shiman, S.W. Röder, **A.P. Starling**, R. Wilson, K. Guerlich, K.L. Haftorn, C.M. Page, A.I. Luik, H. Tiemeier, J.F. Felix, K. Raikkonen, J. Lahti, C.L. Relton, G.C. Sharp, M. Waldenberger, V. Grote, B. Heude, M. Hivert, A.C. Zencussen, G. Herberth, D. Dabelea, R. Grazuleviciene, M. Vafeiadi, S.J. London, M. Guxens, R.C. Richmond, C.A.M. Cecil. Longitudinal associations of DNA methylation and sleep in children: A meta-analysis. *Clinical Epigenetics*, 2022 Jul 5;14(1):83.
36. Heindel, J.J., S. Howard, K. Agay-Shay, J.P. Arrebola, K. Audouze, P.J. Babin, R. Barouki, A. Bansal, E. Blanc, M.C. Cave, S. Chatterjee, N. Chevalier, M. Choudhury, D. Collier, L. Connolly, X. Coumoul, G. Garruti, M. Gilbertson, L.A. Hoepner, A.C. Holloway, G. Howell III, C. Kassotis, M.K. Kay, M.J. Kim, D. Lagadic-Gossman, S. Langouet, A. Legrand, Z. Li, H. Le Mentec, L. Lind, P.M. Lind, R.H. Lustig, C. Martin-Chouly, V. Munic Kos, N. Podechard, T.A. Roepke, R.M. Sargis, **A. Starling**, C.R. Tomlinson, C. Touma, J. Vondracek, F. vom Saal, B. Blumberg. Obesity II: Establishing Causal Links Between Chemical Exposures and Obesity. *Biochemical Pharmacology*, 2022 May; 199:115015.
37. **Friedman, C.F.***, D. Dabelea, L.D. Bloemsma, D.S.K. Thomas, J.L. Peel, J.L. Adgate, S. Magzamen, S.E. Martenies, W.B. Allshouse, **A.P. Starling**. Ambient air pollution during pregnancy and cardiometabolic biomarkers in cord blood. *Environmental Epidemiology*, 2022 Mar 22;6(2):e203.
38. Howe, C.G., S.S. Nozadi, E. Garcia, T.G. O'Connor, **A.P. Starling**, S.F. Farzan, B.P. Jackson, J.C. Madan, A.N. Alshawabkeh, J.F. Cordero, T.M. Bastain, J.D. Meeker, C.V. Breton, M.R. Karagas.

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BOOK CHAPTERS

Starling, A.P. and D. Dabelea. Diabetes in pregnancy: implications for the offspring. *A Practical Manual of Diabetes in Pregnancy, 2nd Edition*. Eds: D. McCance, M. Maresh, D. Sacks. West Sussex: Wiley-Blackwell, 2017.

TEACHING

Lead Instructor

Advanced Epidemiology 1 (EPID 7631), Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Fall 2020.

Designed new course on advanced-level epidemiology methods for doctoral students.

Analytical Epidemiology (EPID 6631), Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Spring 2018, Fall 2018, Fall 2019.

Intermediate-level epidemiology methods course for master's and doctoral students.

Co-Instructor

Introductory Epidemiology (EPID 6630), Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Fall 2014, Fall 2015.

Large, introductory-level methods course for master's students.

Anne P. Starling, PhD

Guest Lecturer

Advanced Reproductive, Perinatal, and Pediatric Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, NC. Spring 2024.

Topic: Studying prenatal environmental exposures and child growth trajectories.

Environmental Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, NC. Spring 2022, Spring 2024.

Topic: Studying health effects of exposure to per- and polyfluoroalkyl substances

Environmental and Occupational Epidemiology, Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Spring 2020, Spring 2021.

Topic: Design and analysis of prospective cohort studies in environmental epidemiology.

Analytical Epidemiology, Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Spring 2019.

Topic: Analytical approaches to detecting and correcting for confounding bias.

Advanced Epidemiology, Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO. Spring 2016.

Topic: Use of directed acyclic graphs in reproductive and perinatal epidemiology.

Applied Regression Topics, Department of Epidemiology, Colorado State University, Fort Collins, CO. Fall 2015.

Topic: Statistical models for identifying health effects of mixtures of chemical exposures.

MENTORING AND COMMITTEES

Doctoral students – primary mentor

Julia Kaplan, PhD in Epidemiology, Gillings School of Global Public Health (2022-present; co-mentor with Dr. Charles Poole)

Lauren Zell-Baran, PhD in Epidemiology, Colorado School of Public Health (2020-2023)

Chloe Friedman, PhD in Epidemiology, Colorado School of Public Health (2019-2024)

Doctoral students – committee member

Amanda Wylie, PhD in Psychology, University of North Carolina at Chapel Hill (2023-2024)

Jake Thistle, PhD in Epidemiology, Gillings School of Global Public Health (2022-present)

Michaela Hvizdak, PhD in Toxicology, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado Anschutz Medical Campus (2022-present)

Kelsey Barton, DrPH in Environmental and Occupational Health, Colorado School of Public Health (2020-2023)

Daniel D. Taylor, PhD in Epidemiology, Colorado School of Public Health (2019-2020; chair)

Doctoral students – independent study mentor

Haley Abernathy, PhD in Epidemiology, Gillings School of Global Public Health (Spring 2024)

Master's students at the University of North Carolina at Chapel Hill – faculty mentor

Paige Anderson, M.D., pursuing Master of Science in Clinical Research, 2024-present

Master's students at the Colorado School of Public Health – committee member

Sierra Niemiec, M.S. in Biostatistics and Informatics, 2022

Anne P. Starling, PhD

Michaela Palumbo, M.S. in Biostatistics and Informatics, 2018

Master's students at the Colorado School of Public Health – capstone project advisor

Hannah Craig, MPH in Environmental and Occupational Health, 2022-2023

Luis Montes, MPH in Epidemiology, 2020-2021

Kevin Andresen, MPH in Epidemiology, 2019

Christine Prissel, MPH in Environmental and Occupational Health and Epidemiology, 2019 (co-advisor with Dr. Elizabeth Carlton)

ACADEMIC AND PROFESSIONAL SERVICE

Grant Peer Review

Ad hoc reviewer, Scientific Review Panels, National Institutes of Health

Mar 2019, Mar 2021, Apr 2021, Mar 2022, Jun 2022, Jul 2023, Jul 2024

Reviewer, Pilot Projects, Center for the Investigation of Environmental Hazards, Sep 2023
New York University, New York City, NY

Reviewer, Research grants, Deutsche Forschungsgemeinschaft Jan 2023
(German Research Foundation), Bonn, Germany

Reviewer, Pilot projects, Center for Environmental Health and Susceptibility, 2022-present
University of North Carolina at Chapel Hill, NC

Reviewer, Pilot projects, Center for Human Health and the Environment, 2016, 2023
North Carolina State University, Raleigh, NC

Journal Peer Review

Editorial review board, *Environmental Health Perspectives* 2017-present

Journal peer reviewer,

American Journal of Epidemiology, Chemosphere, Clinical Epigenetics, Diabetes, Diabetologia, Environmental Epidemiology, Environmental Epigenetics, Environmental Health Perspectives, Environmental Research, Environmental Science & Technology, Environment International, Epigenetics, Epigenomics, International Journal of Epidemiology, International Journal of Hygiene and Environmental Health, International Journal of Obesity, Journal of Exposure Science and Environmental Epidemiology, Obesity, Paediatric and Perinatal Epidemiology

HONORS AND AWARDS

Lou Guillette, Jr. Outstanding Young Investigator Award, HEEDS, 2023.

Faculty Excellence in Teaching Award, Colorado School of Public Health, 2019.

Pathway to Independence Award (K99/R00), National Institute of Environmental Health Sciences, 2016.

Marilyn and Al Tyroler Endowed Scholarship in Epidemiology, UNC Chapel Hill, 2012.

Medical Alumni Loyalty Fund Scholarship, School of Medicine, University of North Carolina, 2007.

Phi Beta Kappa, Duke University, 2003.