



## Anna Smith

Postdoctoral Scholar, Epidemiology

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### Bio

#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California, Berkeley , Environmental Health Sciences & Designated Emphasis in Computational and Genomic Biology (2022)
- Master of Public Health, University of California, Berkeley , Environmental Health Sciences (2019)
- Bachelor of Science, University of California, Davis , Environmental Toxicology & Minor in Communication (2016)

#### STANFORD ADVISORS

- Andres Cardenas, Postdoctoral Faculty Sponsor

#### LINKS

- LinkedIn: <https://www.linkedin.com/in/annasmith1212/>
- Twitter: <https://twitter.com/11Annarose>

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### Publications

#### PUBLICATIONS

- **Associations of mid-childhood per- and polyfluoroalkyl substances and early childhood metals with mid-childhood antibody titers** *ENVIRONMENTAL EPIDEMIOLOGY*  
Smith, A., Lin, P. D., Rifas-Shiman, S. L., Gold, D. R., Fleisch, A. F., Hivert, M., Oken, E., Cardenas, A.  
2026; 10 (2)
- **Associations of maternal neighborhood and trauma-related stressors with mitochondrial DNA copy number and telomere length in maternal and cord blood.** *Scientific reports*  
Hernandez-Castro, I., Rifas-Shiman, S. L., Panelli, D. M., Smith, A. R., Yi, L., Aris, I. M., Tiemeier, H., Belfort, M. B., Qureshi, F., Gold, D. R., Hivert, M., Oken, E., Cardenas, et al  
2025; 15 (1): 29143
- **Prenatal blood metals, per- and polyfluoroalkyl substances and antigen- or mitogen-stimulated cord blood lymphocyte proliferation and cytokine secretion.** *Environmental research*  
Smith, A., Lin, P. D., Rifas-Shiman, S. L., Fleisch, A. F., Wright, R. O., Coull, B., Finn, P. W., Oken, E., Gold, D. R., Cardenas, A.  
2024: 119555
- **Associations between prenatal blood metals and vitamins and cord blood peptide hormone concentrations** *ENVIRONMENTAL EPIDEMIOLOGY*  
Smith, A. R., Lin, P. D., Rifas-Shiman, S. L., Switkowski, K. M., Fleisch, A. F., Wright, R. O., Coull, B., Oken, E., Hivert, M., Cardenas, A.

2023; 7 (6)

- **Infant Feeding Practices and Metal Concentrations in Children's Blood.** *JAMA network open*  
Smith, A. R., Thilakaratne, R., Lin, P. D., Rifas-Shiman, S. L., Hivert, M., Oken, E., Cardenas, A.  
2023; 6 (12): e2348230
- **The prenatal environment and its influence on maternal and child mitochondrial DNA copy number and methylation: A review of the literature.** *Environmental research*  
Smith, A. R., Hinojosa Briseno, A., Picard, M., Cardenas, A.  
2023; 227: 115798
- **Associations of Prenatal First Trimester Essential and Nonessential Metal Mixtures with Body Size and Adiposity in Childhood.** *Epidemiology (Cambridge, Mass.)*  
Smith, A. R., Lin, P. D., Rifas-Shiman, S. L., Wright, R. O., Coull, B., Hivert, M. F., Hubbard, A., Oken, E., Cardenas, A.  
2023; 34 (1): 80-89
- **Comparison of DNA methylation measurements from EPIC BeadChip and SeqCap targeted bisulphite sequencing in PON1 and nine additional candidate genes** *EPIGENETICS*  
Khodasevich, D., Smith, A. R., Huen, K., Eskenazi, B., Cardenas, A., Holland, N.  
2022: 1-12
- **Dietary intake and household exposures as predictors of urinary concentrations of high molecular weight phthalates and bisphenol A in a cohort of adolescents.** *Journal of exposure science & environmental epidemiology*  
Smith, A. R., Kogut, K. R., Parra, K., Bradman, A., Holland, N., Harley, K. G.  
2022; 32 (1): 37-47
- **Prospective Associations of Early Pregnancy Metal Mixtures with Mitochondria DNA Copy Number and Telomere Length in Maternal and Cord Blood** *ENVIRONMENTAL HEALTH PERSPECTIVES*  
Smith, A. R., Lin, P. D., Rifas-Shiman, S. L., Rahman, M. L., Gold, D. R., Baccarelli, A. A., Henn, B., Amarasiriwardena, C., Wright, R. O., Coull, B., Hivert, M., Oken, E., Cardenas, et al  
2021; 129 (11): 117007
- **Cannabis Exposure During Critical Windows of Development: Epigenetic and Molecular Pathways Implicated in Neuropsychiatric Disease** *CURRENT ENVIRONMENTAL HEALTH REPORTS*  
Smith, A., Kaufman, F., Sandy, M. S., Cardenas, A.  
2020; 7 (3): 325-342