Skyler Price, M.P.H.

SENIOR SCIENTIST I

CONTACT INFORMATION

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PROFESSIONAL PROFILE

Ms. Skyler Price is a toxicologist specializing in health risk assessment. She was awarded a Master of Public Health degree in 2023 from the Columbia University Mailman School of Public Health in New York. Holding increasingly responsible positions in the consulting arena since mid-2022, she has provided toxicological and epidemiological support for various client projects, including conducting exposure and risk assessments and literature reviews, preparing reports, collecting and analyzing data, and developing client deliverables. She has evaluated the risks and health impacts related to a variety of exposures, including asbestos, heavy metals, flavoring compounds, polycyclic aromatic hydrocarbons (PAHs), and dioxins/furans. As a project manager to various clients, Ms. Price has supervised project tasks, prepared deliverables and presented results to clients, and managed project budgets to ensure financial accuracy throughout the project lifespan.

As a Research Assistant at Columbia University, Ms. Price worked on *The Lancet* COVID-19 Commission, collecting, extracting, and analyzing qualitative data on COVID-19 interventions, and collaborating with United Nations members to produce Commission reports. Working in a similar research capacity at North Carolina State University, Ms. Price used Covidence to conduct a systematic literature review on the impact of livestock operations on microbiological water quality, with a focus on antibiotic resistance genes.

EDUCATION

2023 M.P.H., Environmental Health; Certificate in Infectious Disease Epidemiology
Columbia University Mailman School of Public Health, New York, NY

2020 B.S., Environmental Science (minor: Toxicology)
North Carolina State University, Raleigh, NC

PROFESSIONAL ASSOCIATIONS

2023-Present Society of Toxicology

SELECTED PROFESSIONAL EXPERIENCE

Litigation Support

Blood Alcohol Content (BAC) Case Management and Support

- Managed BAC litigation case; management duties included overseeing tasks, developing deliverables, presenting deliverables to client, and managing project budget and invoices.
- Estimated BAC at various times of interest using case-specific information.

Asbestos and Talc-Related Case Support

- Reviewed both literature and case materials in support of cases involving alleged exposure to asbestos, both occupationally and non-occupationally, in talcum powder consumer products.
- Reviewed and summarized case materials in support of opinion development for expert reports, depositions, and trials.
- Performed exposure and risk assessments based on case-specific information to assess asbestos exposure.

Flavoring Compounds Case Support

- Conducted literature and case material review in cases involving alleged occupational exposure to flavoring compounds, including diacetyl.
- Reviewed and summarized case materials in support of opinion development for expert reports, depositions, and trials

Exposure and Risk Assessment

Exposure to PAHs and Dioxins/Furans

- Reviewed literature and environmental sampling data involving the release of multiple compounds into air, water, and soil compartments.
- Conducted exposure and risk assessments of PAHs and dioxins.

Chemical Fingerprinting

- Independently conducted chemical fingerprinting analysis of dioxins/furans in soils using principal components analysis (PCA) to characterize fingerprints as a function of soil-sample depth and distance from the site of interest.

Hydrochloric Acid

- Evaluated accidental exposure to hydrochloric acid in contaminated consumer beverage products.
- Provided evaluations on the chemical properties of the contaminated beverages and on the potential health effects of exposure.

Occupational Lead Exposure

- Conducted literature and case material review in support of cases alleging occupational exposure to lead.
- Conducted physiologically based pharmacokinetics (PBPK) modeling to estimate occupational lead exposure and developed transfer coefficients to evaluate the extent of take-home lead exposure under a variety of exposure scenarios.

Computational Modeling

Lead PBPK Model

- Compared the inputs and outputs of multiple lead PBPK models, using infant exposure to lead via consumer baby food products as a case study.
- Analysis included comparison of the performance of three PBPK models and comparison of predicted blood lead levels (BLLs) to National Health and Nutrition Examination Survey (NHANES) distributions. This work was published in the peer-reviewed literature.

PUBLISHED WORK

Meyer C, **Price S**, Ercumen A. 2024. Do animal husbandry operations contaminate groundwater sources with antimicrobial resistance: Systematic review. Environ Sci Polllut Res Int 31(11):16164–16176; doi: 10.1007/s11356-024-31899-w.

Price S, Maddaloni M, Finley B, Thornton S, Unice K. 2023. Extending regulatory biokinetic lead models towards food safety: Evaluation of consumer baby food contribution to infant blood lead levels and variability. Foods 12(14):2732; doi: 103390/foods12142732.

PRESENTATIONS

Chen K, **Price S**, Finley B. An evaluation of the biokinetics of bone lead levels in children following tap water exposure using the All Ages Lead Model (AALM). Abstract 4079, Society of Toxicology 64th Annual Meeting, Orlando, FL, March 2025.

Price S, Chen K, Finley B. Estimating infant blood levels from baby food consumption: A biokinetic model analysis. Abstract 4080, Society of Toxicology 64th Annual Meeting, Orlando, FL, March 2025.

Ierardi AM, **Price S**, Parker J. The OEHS professional as a proud ally: Recognizing and controlling common occupational hazards impacting LGBTQ+ workers in the U.S. American Industrial Hygiene Conference & Expo, Phoenix, AZ, 2023.