



# Katie Steimel, MS

## Current Position

Associate Health Scientist

## Discipline Areas

- > Toxicology
- > Reproductive Toxicology
- > Risk Assessment
- > Environmental Health
- > Litigation Support
- > Prop 65
- > Consumer Product Safety

## Years' Experience

1 year

## Joined Cardno

2020

## Education

- > MS, Environmental Health Sciences, UCLA, 2018
- > BA, Biology, Occidental College, 2015

## Summary of Experience

Ms. Katie Steimel is an Associate Health Scientist with Cardno ChemRisk. She completed her Master's degree in Environmental Health Sciences at the UCLA Fielding School of Public Health. Prior to that she earned a BA in Biology from Occidental College. Her primary areas of expertise include toxicology, consumer product safety, environmental health and risk assessment. Her graduate thesis research was conducted at the Allard Laboratory at UCLA where she studied the effects of Bisphenol A (BPA) on reproduction in *C. elegans*. Currently, Katie is responsible for providing litigation and non-litigation project support, as well as performing systematic literature reviews and risk assessments. More specifically, she has conducted health effect reviews for FDA Pre-Market Tobacco Applications (PMTAs), as well as risk assessments and literature reviews related to California's Proposition 65 and consumer product safety. Since joining Cardno ChemRisk, Katie has provided support to projects involving food flavorings, metals, asbestos, talc, phthalates, PFAS, and various other ingredients in consumer and food products.

## Significant Projects

### Personal Care and Consumer Products

Led research efforts to understand the potential risk of exposure, health risks and toxicology of chemicals, such as aluminum, Bisphenol A, heavy metals, and phthalates found in consumer products.

### Risk Assessments

Researched health-based guidance values (HGVs) and performed literature reviews and QSAR analysis for numerous chemicals, such as flavoring agents and metals, found in electronic cigarettes. Helped write and critique risk assessments for extractable and leachable chemicals from electronic cigarettes for the FDA PMTAs.

### Pharmaceuticals

Performed a literature search to help determine if drug IC<sub>50</sub>s are an accurate predictor of occupation exposure limits.

### Litigation Support

Reviewed testimony, case materials and literature for use in expert reports and risk assessments. Assisted numerous litigation cases for clients, including boiler, pump, packing, gasket, joint compound, talc, brake, and electronic product manufacturers.

### Reproductive Toxicology

#### *Graduate Student Researcher – Thesis – Los Angeles, CA*

Conducted experiments to investigate the pathway in which Bisphenol A induces germline toxicity through the alteration of cholesterol transport in *C. elegans*.

### Product Safety Testing

*Science Intern – Breast Cancer Prevention Partners – San Francisco, CA*

Researched and analyzed the safety of various ingredients in consumer products and their various health outcomes, including carcinogenicity, reproductive toxicity and sensitization.

### Publications

#### Peer-Reviewed Publications

- > Yichang Chen, Blake Panter, Aleena Hussein, Katherine Gibbs, Daniel Ferreira, Patrick Allard. 2019. BPA interferes with StAR-mediated mitochondrial cholesterol transport to induce germline dysfunctions. *Reproductive Toxicology*. 90/24-32.