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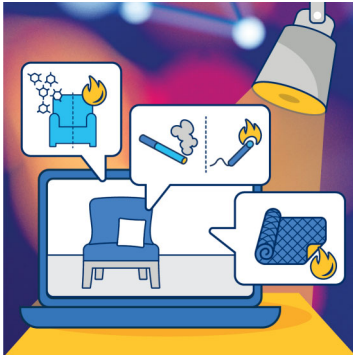


## 2022 Research on Pollution Exposure and Health Outcomes



Chemical Insights Research Institute (CIRI) is gearing up for a year of significant research on chemical exposure and its impact on human health. New research initiatives are underway including toddler exposure to air pollution in daycare settings and health outcomes; measuring chemical exposure in homes during wildland fires; fire at the wildland-urban interface (WUI) and impact on community cardiovascular health; and developing biological tools for assessing aerosol toxicity from use of consumer products. Efforts also continue on characterizing emissions and their toxicity associated with new 3D printer technologies, e-cigarettes and new vaping liquids.

## Research Project Highlight: Furniture Flammability and Flame Retardants



Last year, CIRC and our research partners held a furniture flammability and human health summit focused on research addressing the mitigation of both fire and chemical exposure risks of residential upholstered furniture. A Guidance Document, [UL 118F, "Managing Fire and Chemical Exposure Risks of Residential Upholstered Furniture"](#), was released summarizing this information. This year we will introduce a continuing education course for specifying and manufacturing residential upholstered furniture, using inherent flame resistant textiles and fire barrier materials to protect people from both fire and chemical hazards. In addition, CIRC will continue research into human exposure to flame retardants from upholstered furniture by surveying a wide selection of furniture.

## Upcoming Events



Visit us to hear about our research at conferences:

1. [The NAHB International Builders' Show](#), Feb. 8-10, 2022, "[Before Disaster Strikes: How Pictures Can Be Worth Thousands of Words & Dollars.](#)"
2. [CSHEMA Spring Symposium](#), Feb. 21-23, 2022, "[Indoor Air Quality in Campus Buildings: Why and How to Address Emerging Risks.](#)"
3. [ACS Spring 2022](#), Mar. 20-24, 2022, "[Indoor Air Quality Assessment of Classrooms with 3D Printers.](#)"



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