

Portland Section Meeting Notice

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December 2025

Beyond THC: What's Really in Cannabis Vapes

a talk by

Dr. Shawna Vreeke

Director of Toxicology at True Terpenes

Wednesday December 10, 2025, 6-9pm

Leikam Brewing
5812 E Burnside St
Portland, OR 97215

Dinner Reservations

Reserve your dinner for \$25/person (\$15 for undergraduate students, high school teachers, unemployed members). \$5 added for tickets purchased at the event.

Schedule:

6pm social

6:45 pm buffet dinner

7:45 pm program

Please contact Rob Jensen <robert.p.jensen@gmail.com> for any questions.

Abstract and bio next page.

**Looking ahead: Join us next month on Thursday, Jan 8th to hear
from Prof. Lynne Gratz of Reed College!**

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Beyond THC: What's Really in Cannabis Vapes

Cannabis vaping is the second most widely used mode of cannabis consumption in both medical and adult-use markets. Cannabis vape products typically contain cannabinoids combined with terpenes, flavorants, and diluents to achieve desired sensory, functional, and performance characteristics. However, the safety and authenticity evaluation of these ingredients remains inconsistent due to a lack of unified regulations and limited guidance for manufacturers and regulators. This presentation will review the chemistry and functional roles of these formulation components, outline current regulatory gaps, and highlight the need for standardized assessment frameworks. Under Dr. Shawna's guidance, True Terpenes is one of the few operators in the cannabis space that perform toxicological analysis, even though toxicology is a fundamental science present in all other industries. Dr. Shawna will present the structured guide for conducting inhalation toxicological risk assessments that is applied at True Terpenes and highlight how this work can protect cannabis consumers over lifetime use.

Bio

Shawna Vreeke, PhD, DABT is Director of Toxicology at True Terpenes, where she is instrumental in developing and maintaining the rigorous safety protocols the brand is known for. She completed a Ph.D. in Chemistry at Portland State University, working alongside vape chemistry expert Professor Robert M. Strongin, studying toxin formation in vape device aerosol. She is an active Diplomate of the American Board of Toxicology. Dr. Shawna has presented as an expert witness in support of implementing sensible regulations that protect public health while maintaining access to regulated cannabis products. She advocates for science-based safety policies to protect consumer health and is passionate about the therapeutic properties of natural products. She has worked with ASTM to author two ground-breaking global standards for performing toxicology risk assessments of inhalable products containing cannabinoids.