



UNDERSTANDING ODOR CHEMISTRY AND DYNAMICS FOR OPERATIONAL K9 TEAMS

This two-day workshop is designed for canine handlers seeking a deeper understanding of the science behind odor detection. Participants will explore the fundamentals of odor chemistry and odor dynamics, including how odors are generated, transported, altered by environmental conditions, and ultimately perceived by detection canines.

Through a combination of interactive lectures and practical demonstrations, attendees will examine the factors that influence odor availability and canine performance in real-world operational settings. Topics will include general odor principles as well as applications involving narcotics, explosives, human scent, and human remains detection. The workshop is intended for handlers of all operational detection disciplines and emphasizes practical knowledge that can be directly applied to training and deployment.

Dr. Lauryn E. DeGreeff earned her PhD in forensic chemistry from Florida International University, where she is presently an associate professor in the Chemistry Department and the International Forensic Science Research Institute and where she carries out research in the area of volatiles analysis as it relates to vapor detection by canine and instruments. She takes a chemistry-based approach to studying olfaction for the purpose of informing field vapor sampling practices. Her research focuses on trace vapor sampling, characterization, and generation in support of canine and other field detection approaches. .



JANUARY 7-8, 2027
0800 - 1700

\$199

By registering for or participating in F1RST training, you acknowledge and agree to the terms of the F1RST Waiver, available at <https://floridasfirst.org/waiver>

 **FIRST Campus**

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