

# NIST Workshop: Building a Path Forward for Meaningful Cannabis Breathalyzer Realization

Location: NIST Boulder Campus, 325 Broadway, Boulder, CO 80305

Conference Chairs: [Tara Lovestead](#), Ph.D. and [Kavita Jeerage](#), Ph.D.

## Wednesday, September 24, 2025

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| 9:00 – 9:45   | Welcome, Introductions, and Workshop Goals by Tara Lovestead, PhD, NIST   |
| 9:45 – 10:45  | Plenary Presentation by Marilyn Huestis, AB, MS, PhD, Thomas Jefferson University, Huestis & Smith Toxicology LLC   |
| 10:45 – 11:00 | Coffee Break  |
| 11:00 – 12:30 | Company Poster Session: Device Discussion and Demonstrations<br><i>Moderator: Tara Lovestead, PhD, NIST</i><br><br>Abacus Diagnostics/Narcotrace • CANNABIX Technologies Inc. • Ingenious Design • Lifeloc Technologies • Mindr/Intoxalock • Munkplast AB • Ricovr Healthcare Inc. • Smart Start Inc. • SpectraCann Ltd.  |
| 12:30 – 1:30  | Catered Lunch Buffet  |
| 1:30 – 3:00   | Panel 1 – The Colorado Legal Landscape: Current Practices and Challenges<br><i>Moderator: Judge Mary Celeste (retired), Organizer of the National Interdisciplinary Cannabis Symposium from 2022-2025</i> <ul style="list-style-type: none"><li>• Tuesday Black, MA – Impaired Driving Grant Specialist and DRE &amp; SFST Program Manager for the Colorado Department of Transportation (CDOT), Highway Safety Office (HSO); Co-chair of CANNRA's Impaired Driving and Traffic Safety Committee</li><li>• Mark Ashby, BS – Drug Recognition Expert (DRE) &amp; Standardized Field Sobriety Testing (SFST) State Coordinator, CDOT</li><li>• Vanessa Beall, MS, D-ABFT-FT – Toxicology Program Manager/Laboratory Manager, Colorado Bureau of Investigation (CBI)</li></ul> |
| 3:00 – 3:15   | Coffee Break  |
| 3:15 – 4:00   | Breakout Session 1: Do we have consensus on long-held beliefs and about the aspects of breathalyzer science that directly relate to forensic toxicology?<br><i>Moderator: Kavita Jeerage, PhD, NIST</i>   |
| 4:00 – 5:15   | Breakout Session 1: Group reports and discussion<br><i>Moderators: Tara Lovestead &amp; Kavita Jeerage</i>  |
| 5:15 – 5:30   | Closing remarks by Tara Lovestead, PhD, NIST  |
| 7:00 – 9:00   | Optional Dinner at the Boulder Dushanbe Teahouse, 1770 13 <sup>th</sup> Street, Boulder<br>*See details on next page*   |

## Thursday, September 25, 2025

- 9:00 – 9:30 Welcome and Reflections on Day 1 by Tara Lovestead, PhD, NIST
- 9:30 – 10:45 Panel 2 – Conformity and Limitations: Challenges to Adopting New Technology  
*Moderator: Tara Lovestead, PhD, NIST*
- Tara Kelley-Baker, PhD – Chief, Impaired Driving Division, Department of Transportation National Highway Traffic Safety Administration (DOT/NHTSA)
  - Chris Heartsill, BS, D-ABFT-FT – Regional Toxicology Liaison for NHTSA
- 10:45 – 11:00 Coffee Break
- 11:00 – 11:30 Presentation on NIST’s Role in Advancing Industry Solutions Through a Consortium by Kavita Jeerage, PhD, NIST
- 11:30 – 12:30 Catered Lunch Buffet
- 12:30 – 2:30 Panel 3 – Human Subjects Study Design: Identifying Gaps and Needed Studies  
*Moderator: Kavita Jeerage, PhD, NIST*
- Marilyn Huestis, AB, MS, PhD – Senior Fellow, Institute for Emerging Health Professions, Thomas Jefferson Univ.; President, Huestis & Smith Toxicology, LLC
  - Ashley Brooks-Russell, PhD, MPH – Associate Prof., Colorado School of Public Health and Director of the Injury & Violence Prevention Center, Univ. of Colorado Anschutz Medical
  - Jennifer Berry, PhD – Research Chemist, NIST
  - Tom Marcotte, PhD – Prof. of Psychiatry and Co-Director of the Center for Medicinal Cannabis Research, Univ. of California San Diego
- 2:30 – 2:45 Coffee Break
- 2:45 – 3:30 Breakout Session 2: Towards consensus on device validation criteria, research data sets, and standards needed to advance cannabis breathalyzer development  
*Moderator: Tara Lovestead, PhD, NIST*
- 3:30 – 4:45 Breakout Session 2: Group reports and discussion  
*Moderators: Tara Lovestead & Kavita Jeerage*
- 4:45 – 5:00 Closing remarks by Tara Lovestead, PhD, NIST
- 5:00 – 6:00 Optional time for scheduled meetings with NIST staff

RSVP for dinner September 24 to [Robin.McHale@nist.gov](mailto:Robin.McHale@nist.gov)

The Teahouse is in between Arapahoe and Canyon Avenues on 13th Street. On the street parking is available on both 13th and 14th Streets, simply look for the City of Boulder Parking kiosks.

<https://www.boulderteahouse.com/faq>