

Jennifer Harmon

(714) 865-2441 | jennifer@jharmonconsulting.com | [linkedin.com/in/jennifer-harmon-toxicology](https://www.linkedin.com/in/jennifer-harmon-toxicology)

Professional Summary

Accomplished public administrator and forensic science leader with over 20 years of experience directing crime laboratories, specializing in toxicology, drug analysis, and impaired driving investigations. Proven expertise in laboratory management, legislative advocacy, and expert testimony. Strong commitment to advancing forensic science through research, training, and collaboration with law enforcement and judicial agencies.

Core Competencies

- Forensic Laboratory Leadership
 - Antemortem & Postmortem Toxicology
 - Drug Interpretation, Analysis, and Impairment
 - Drug Facilitated Crimes and Impaired Driving Investigations
 - Public Policy & Legislative Advocacy
 - Expert Witness Testimony
 - Accreditation & Quality Assurance
 - Training & Development
 - Interagency Collaboration
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Professional Experience

Consultant (2025–Present)

DrugImpairment.com

- Content recruiter and course contributor.
- Course content recommendations.
- Overall review of all toxicology specific e-learning courses.

Jennifer Harmon Consulting (2025–Present)

Expert Witness & Case Review

- Expert for forensic toxicology, antemortem and postmortem; crime laboratory operations; quality assurance, accreditation, quality system management; laboratory best practice; expert witness training and testimony.
- Specialties including drug facilitated crime; DUI, DUID, DRE, and SFST; traffic safety research; drug and alcohol impaired driving research; forensic drug and alcohol analysis; and drug and alcohol metabolism, pharmacodynamics and pharmacokinetics.

Crime Laboratory Director (2019–Present)

San Diego County Sheriff's Department, Regional Crime Laboratory

- Oversee 90+ forensic experts across multiple disciplines: Toxicology, DNA, Latent Prints, Firearms, and Crime Scene Investigations.
- Implement ISO/IEC 17025 accreditation standards and ensure compliance with state and federal regulations.
- Spearhead initiatives to address drug-impaired driving (DUID) and opioid abuse.

Assistant Director (2011–2019)

Orange County Sheriff-Coroner, OC Crime Lab, Forensic Chemistry Bureau

- Managed Clandestine Drug Manufacturing Field Investigations, Controlled Substances, Toxicology, and Forensic Alcohol Sections. Temporary oversight of Evidence Control Unit.
- Developed protocols for DUID case processing and testified in high-profile cases.

Senior Forensic Scientist (2008–2011)

Orange County Sheriff-Coroner, OC Crime Lab, Forensic Chemistry Bureau

- Supervised the Forensic Alcohol Section, including blood and breath alcohol analysis.
- Achieved breath alcohol instrument measuring calibration accreditation; 6th internationally under ASCLD-LAB ISO 17025.

Forensic Scientist (2001–2008)

Orange County Sheriff-Coroner, Forensic Science Services

- Analyzed toxicology samples using GC/MS, ELISA, and other advanced techniques.

Scientist, Research and Development (2001)

Hycor Biomedical

- Developed immunoassay-based allergen discs and protein extracts.
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Education

Master of Public Administration (2018)

Brandman University

Bachelor of Science in Biology (2001)

California State University, Long Beach

- Minors: Chemistry, Political Science
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Certifications & Training

- **ISO/IEC 17025 Lead Assessor & Technical Assessor** – A2LA {2025-Present}
 - **ISO/IEC 17025 AR 3125 Assessor Technical Assessor (Toxicology)** – ANAB (2011–Present)
 - **SFST, ARIDE, Drug Recognition Expert (DRE)** – NHTSA/IACP (audited 2005)
 - **Forensic Alcohol Supervisor** – California Department of Public Health
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Professional Affiliations

- **Department of Justice** (Peer Reviewer)
- **National Judicial College** (Faculty)
- **California Association of Toxicologists** (Past President, President, Legislative Advocate)
- **California Association of Crime Laboratory Directors** (Past President, President, Legislative Advocate)
- **American Society of Crime Laboratory Directors** (Advocacy Committee)
- **National Safety Council, Alcohol & Impaired Driving Committee**

- **International Association of Chiefs of Police** (Technical Advisory Panel - Toxicologist)
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Awards & Honors

- **Lifesavers Award for Public Service** – NHTSA (2018)
 - **Commendation** – Orange County Board of Supervisors (2011)
 - **Commendation** – Forensic Science Services Division (2008)
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Publications

- **Author:** *Police Chief Magazine*, "Forensic Laboratories as Drug Policy Partners" (2024).
 - **Author:** Galust, H., Seltzer, J.A., Hardin, J.R. *et al.* Adulterants present in the San Diego County fentanyl supply: a laboratory analysis of seized law enforcement samples. *BMC Public Health* **24**, 923 (2024). <https://doi.org/10.1186/s12889-024-18459-0>
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Legislative & Advocacy Work

- Co-authored California 2019 SB 283, 2019 AB 551, and 2022 SB 925.
 - Testified before CA State Senate/Assembly on 2019 SB 283, 2019 AB 551, 2017 SB 176, 2016 SB 1323.
 - Testified before the U.S. House of Representatives Subcommittee on Digital Commerce and Consumer Protection, "Examining Drug Impaired Driving." (2018)
 - Co-chaired NHTSA's DUID Toxicology Data Collection Working Group.
 - Advised on AB 1744 (standardized rape kits) and SB 94 (impaired driving task force).
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Technical Skills

- **Instrumentation** : GC/MS, LC-MS/MS, HPLC, UV/Vis, automated ELISA (Tecan).

- **Software:** LIMS systems, Microsoft Office Suite, Mass Hunter, Chem Station, TotalChrom, Tecan OS.
- **Standards:** California Code of Regulations Title 17, ASCLD/LAB, ISO 17025, AR 3125.

Training

Forensic Pathology	<i>California State University at Fullerton, Extension</i>	7/2000
Crime Scene Investigation	<i>California State University at Fullerton, Extension</i>	3/2001
Introduction to Capillary Gas Chromatography	<i>Agilent Technologies, Training Seminar</i>	2001
Clinical Chemistry and Forensic Toxicology – A Symbiotic Relationship in Death Investigation	<i>American Academy of Forensic Sciences, Workshop</i>	2/2003
Antipsychotics – Medicines for the Mind	<i>American Academy of Forensic Sciences, Workshop</i>	2/2003
Murder by Poison & Poisoners throughout History	<i>American Academy of Forensic Sciences, Workshop</i>	2/2003
Interpretive Toxicology: Unraveling the Mystery?	<i>California Association of Toxicologists, Workshop</i>	5/2003
DUI Seminar	<i>Cavanaugh and Associates P.O.S.T. class</i>	3/2004
Drugs and Driving	<i>California Association of Criminalists, Workshop</i>	10/2004
Medical Conditions and DUI Investigation	<i>California Association of Toxicologists, Workshop</i>	3/2005
Moot Court – Driving Under the Influence of Drugs and Alcohol	<i>California Association of Toxicologists, Workshop</i>	6/2005
Drug Recognition Expert Training	<i>National Highway Traffic Safety Administration & International Association of Chiefs of Police, DRE class</i>	6/2005
HPLC and LC-MS-MS	<i>Thermo Electron, Training Seminar</i>	9/2005
HPLC	<i>LC Resources, Training Seminar</i>	11/2005
Meeting	<i>California Association of Toxicologists</i>	1/2006

Research, Writing, and Reviewing: A Guide to Designing, Conducting, Writing, Publishing, and Analyzing

Scientific Research	<i>American Academy of Forensic Sciences, Workshop</i>	2/2006
Interpretation of Toxicological Analysis in the Elderly	<i>American Academy of Forensic Sciences, Workshop</i>	2/2006
Street Drugs	<i>American Academy of Forensic Sciences, Workshop</i>	2/2006
Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques	<i>American Academy of Forensic Sciences, Workshop</i>	2/2006
Annual Meeting	<i>American Academy of Forensic Sciences</i>	2/2006
Controlled Drinking Study	<i>OCSD Harbor Patrol</i>	3/2006
Annual Meeting	<i>International Association for Chemical Testing</i>	4/2006
To Derivatize or Not Derivatize, That is the Question?	<i>California Association of Toxicologists, Workshop and Meeting</i>	11/2006
Blood Drug Levels and Impaired Driving	<i>The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety Symposium</i>	8/2007
Joint Meeting	<i>The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety</i>	8/2007
How to Become a More Effective Supervisor	<i>CareerTrack</i>	3/2008
The Effects of Drugs on Human Performance and Behavior	<i>Indiana University, Robert F. Borkenstein Center for Studies of Law in Action</i>	4/2008
Emergency Management Institute's ICS-300 & 400	<i>U.S. Department of Homeland Security, Center for Domestic Preparedness</i>	4/2008
OC Leadership Lessons – Leading as a Way of	<i>The County of Orange</i>	7/2008
Operator, Calibration, Accuracy Check and Maintenance Certification	<i>Intoximeters Inc.</i>	8/2008

Criticism and Discipline Skills for Managers

	<i>CareerTrack</i>	12/2008
User Group Meeting	<i>PerkinElmer – TotalChrom</i>	3/2009
DUI Correlation Workshop – Controlled Alcohol Drinking and Driving Simulator Study		
	<i>California Association of Criminalists</i>	5/2009
Brightline Compliance – Preventing Workplace California Supervisors' 2nd Edition		
	<i>County of Orange</i>	6/2009
Brightline Compliance – Reasonable Accommodation of Disabilities 2nd Edition		
	<i>County of Orange</i>	6/2009
Comprehensive Gas Chromatography Seminar		
	<i>Restek Corporation</i>	1/2010
Headspace Gas Chromatography Seminar	<i>Restek Corporation</i>	1/2010
Controlled Drinking Study	<i>OCSD Harbor Patrol</i>	3/2010
8-Hour Introduction to ISO/IEC 17025:2005		
	<i>American Society of Crime Laboratory Directors-Laboratory Accreditation Board</i>	3/2010
ASCLD/LAB-International Breath Alcohol Calibration Assessor Training Course		
	<i>American Society of Crime Laboratory Directors-Laboratory Accreditation Board</i>	3/2010
Spring Meeting	<i>California Association of Crime Laboratory Directors</i>	4/2010
Sleep and Driving		
	<i>California Association of Toxicologists, Workshop and Meeting</i>	5/2010
Controlled Drinking Study	<i>Orange County Crime Laboratory (OCSD Katella Training Facility)</i>	
		5/2010
OC Leadership Lessons – Leading in Teams		
	<i>The County of Orange</i>	9/2010
Driving Under the Influence of Drug(s): Says Who?		
	<i>California Association of Toxicologists, Fall Meeting</i>	5/2010
ASCLD/LAB-International Assessor Refresher Course		

	<i>American Society of Crime Laboratory Directors-Laboratory Accreditation Board</i>	5/2011
Auditing Police Performance	<i>The Center for Criminal Justice at California State University – Long Beach</i>	5/2011
Measurement Confidence for the Forensic Laboratory: 100A (Traceability), 100B (Measurement Assurance), 100C (Uncertainty Concepts)	<i>American Society of Crime Laboratory Directors-Laboratory Accreditation Board</i>	7/2011
Decentralized Risk Management	<i>Orange County Sheriff-Coroner Department & Gordon Graham</i>	8/2011
Forensic Alcohol and Quality Assurance Study Groups	<i>California Association of Criminalists</i>	8/2011
Orange County Crime Laboratory PEBT Comparison Study – Controlled Drinking Study	<i>OCSD Harbor Patrol</i>	9/2011
To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics	<i>RTI International and NIJ</i>	5/2012
Answering the NAS: The Ethics of Leadership and the Leadership of Ethics	<i>RTI International and NIJ</i>	6/2012
Transition to Leadership	<i>West Virginia University Extended Learning</i>	6/2012
Laboratory Management for Dummies...And Smarties too	<i>Society of Forensic Toxicologists</i>	7/2012
LC/MS/MS Method Development & Validation for Forensic Toxicology	<i>Society of Forensic Toxicologists</i>	7/2012
Strategies for Expanding DUID Testing: Is Oral Fluid the Way?	<i>Society of Forensic Toxicologists</i>	7/2012
Annual Meeting	<i>Society of Forensic Toxicologists</i>	7/2012
Thinking Outside the Lines for Business Leaders and Managers	<i>Anaheim</i>	3/2013
Ethics in Forensic Science	<i>California Criminalistics Institute</i>	5/2013
Developing Your Emotional Intelligence	<i>National Seminars</i>	5/2013
County of Orange Leadership Academy	<i>Chapman University</i>	1/2014

Spring Meeting	California Association of Crime Laboratory Directors	4/2014
Annual Meeting	International Association for Chemical Testing	4/2014
Spring Meeting	California Association of Toxicologists	5/2014
The Growing Problem of DUI in Orange County	Orange County DUI/DUID Forum	5/2014
Influential Leadership: Persuasion Techniques that Aren't Pushy	National Seminars	6/2014
ASCLD/LAB-International Assessor Refresher Course	American Society of Crime Laboratory Directors-Laboratory Accreditation Board	7/2014
Measurement Traceability – ASCLD/LAB Assessor Training	American Society of Crime Laboratory Directors-Laboratory Accreditation Board	7/2014
Leadership Secrets of Remarkable Women	National Seminars Webinar	7/2014
FISH!	National Seminars Webinar	8/2014
Back Safety	County of Orange CEO/Office of Risk Management Safety and Loss Prevention Program	8/2014
Defensive Driving Basic	County of Orange CEO/Office of Risk Management Safety and Loss Prevention Program	8/2014
Alcohol and Performance and Postmortem Topics	California Association of Toxicologists	11/2014
Underage Impaired Driving DUI Forum	Orange County DUI Task Force	4/2015
Spring Meeting	California Association of Crime Laboratory Directors	5/2015
Fearless Intelligence	Orange County Sheriff-Coroner Department	5/2015
Drugged Impaired Driver Training for Law Enforcement and Prosecution Professionals	California District Attorneys Association	6/2015
Pharmacology of Addiction and Related Issues	UCLA Integrated Substance Abuse Programs and Pacific Southwest Addition Technology Transfer Center	6/2015
Fall Meeting	California Association of Toxicologists	11/2015

Building the Team Journey	<i>Harvard Business Review</i>	12/2015
Controlled Drinking Study	<i>Fullerton Police Department</i>	2/2016
ASCLD/LAB-International Calibration Assessor Refresher Course		
	<i>American Society of Crime Laboratory Directors-Laboratory Accreditation Board</i>	3/2016
Evolution of Opioid Abuse: Rx to Heroin Symposium		
	<i>Tustin</i>	4/2016
Synthetic Drug Summit	<i>Tustin</i>	5/2016
Spring Meeting	<i>California Association of Crime Laboratory Directors</i>	5/2016
Silicon Valley Marijuana Awareness Summit		
	<i>Santa Clara</i>	9/2016
AAA Drugged Driving Summit	<i>Los Angeles</i>	10/2016
Alcohol, Drugs and Impairment Division Expert Panel Meeting		
	<i>National Safety Council</i>	11/2016
Fall Meeting	<i>California Association of Toxicologists</i>	11/2016
Controlled Drinking Study	<i>Fullerton Police Department</i>	3/2016
A Multidisciplinary Approach Development Meeting		
	<i>National Best Practices for Sexual Assault Kits</i>	3//2017
Spring Meeting	<i>California Association of Toxicologists</i>	5/2017
Opioid Epidemic and Heroin Use	<i>Santa Ana</i>	5/2017
Annual Drug Recognition Expert (DRE) Conference		
	<i>International Chiefs of Police</i>	8/2017
Meeting	<i>California Toxicology Stakeholders</i>	8/2017
Opiate Epidemic Webinar	<i>Sam Quinones Explores America</i>	9/2017
Root Cause Webinar	<i>ANAB</i>	10/2017
Managing Conflict Workshop	<i>Orange County</i>	10/2017
Fall Meeting	<i>California Association of Toxicologists</i>	11/2017
Green Lab	<i>Santa Ana</i>	2/2018
Spring Meeting	<i>California Association of Toxicologists</i>	5/2018
Annual Drug Recognition Expert (DRE) Conference		

	<i>International Chiefs of Police</i>	8/2018
Sparkling Creativity and Innovation	<i>Skill Path Seminars</i>	8/2018
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	10/2018
Fall Meeting	<i>California Association of Toxicologists</i>	11/2018
Spring Meeting	<i>California Association of Toxicologists</i>	5/2019
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	5/2019
Fall Meeting	<i>California Association of Toxicologists</i>	11/2019
Online Forensic Symposium: Current Trends in Forensic Toxicology		
	<i>Center for Forensic Science Research and Education</i>	6/2020
Forensic Genealogy: Diving Deeper into Law Enforcement Investigations		
	<i>American Society of Crime Laboratory Directors</i>	3/2020
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	11/2020
Annual Meeting	<i>IACP Drugs, Alcohol, and Impaired Driving Conference</i>	8/2021
Meeting	<i>Western States Laboratory Directors (WILD)</i>	1/2022
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	10/2021
Building a Better Workplace	<i>County of San Diego – Webinar</i>	1/2022
Annual Meeting	<i>American Society of Crime Laboratory Directors (ASCLD)</i>	4/2022
Spring Meeting	<i>California Association of Toxicologists</i>	5/2022
Accountability in Action: A Step-by Step Process for Achieving Organizational Success		
	<i>U Mass Global Webinar</i>	6/2022
Novel Methods for Assessing the Prevalence of Drugged Driving		
	<i>Transportation Research Board (TRB), Impairment in Transportation Committee</i>	7/2022
Lessons Learned from Seized Drug Errors in Wrongful Convictions		
	<i>Center for Forensic Science Research and Education</i>	9/2022
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	9/2022
Lessons from the Marvel Cinematic Universe to Become a Better Leader		
	<i>California State University Long Beach</i>	12/2022
Spring Meeting	<i>California Association of Toxicologists</i>	5/2023
Annual Meeting	<i>International Association of Chiefs of Police: Impaired</i>	

	<i>Driving and Traffic Safety Conference</i>	8/2023
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	9/2023
Annual Meeting	<i>Bureau of Justice Assistance, Annual Program Meeting</i>	10/2023
Fall Meeting	<i>California Association of Toxicologists</i>	12/2023
Annual Meeting	<i>California Association of Crime Laboratory Directors</i>	9/2024
Meeting	California Toxicology Stakeholders Meeting	12/2024
Fall Meeting	<i>California Association of Toxicologists</i>	12/2024

Presentations, Panels & Other Qualifications

Witness	California Association of Toxicologists Meeting. "Moot Court Workshop – Driving Under the Influence of Alcohol and Drugs."	2005
Co-presenter	California Association of Toxicologists Meeting. "The Driving Dead: Driving Under the Influence of Potentially Lethal Drug Levels and Combinations."	2005
Presenter	California Association of Toxicologists Meeting. "DUID Work Flow in California Crime Labs: How are DUID cases analyzed, processed and testified to?"	2010
Presenter	California Association of Criminalists Forensic Alcohol and Quality Assurance Study Groups. "ASCLD/LAB-International Breath Alcohol Calibration Laboratory."	2011
Presenter	Drug Recognition Evaluator Training. "Orange County Crime Lab."	2012
Presenter	California Criminalistics Institute, Forensic Alcohol Interpretation Course. "Title 17."	2012
Presenter	Orange County DUI Summit. "Driving Under the Influence of Drugs (DUID) Collaboration."	2013
Presenter	Orange County Traffic Investigators Association. "Driving Under the Influence of Drugs (DUID) Collaboration."	2013
Presenter	San Diego County Prescription Drug Task Force. "Driving Under the Influence of Drugs (DUID) Collaboration."	2013
Presenter	Orange County Prescription Drug Summit. "Driving Under the Influence of Drugs (DUID) Collaboration."	2013
Presenter	Orange County Sexual Assault Investigators Meeting. "Drug Trends and Sexual Assault Statistics 2003-2013."	2013

Presenter	Governor's Highway Safety Association. "Tox Rox."	2013
Presenter	North Orange County Bar Association. "Drug Trends."	2013
Guest Faculty	Indiana University Borkenstein Center for Studies of Law in Action, "Opioids: The Effects on Human Performance and Behavior."	2013
Presenter	San Diego Marijuana Key Leadership Team Meeting. "Driving Under the Influence of Drugs (DUID) Collaboration."	2013
Presenter	International Association for Chemical Testing Annual Meeting. "Driving Under the Influence of Drugs (DUID) Collaboration."	2014
Co-presenter	International Association for Chemical Testing Workshop, "Alcohol Testing Past, Present and Future." "Fluid Analysis: Past, Present and Future."	2014
Presenter	California District Attorneys Association DUI Toxicology Seminar. "Toxicology of Alcohol."	2014
Presenter	California District Attorneys Association DUI Toxicology Seminar. "Toxicology of Drugs."	2014
Presenter	International Chiefs of Police Annual Drug Recognition Expert (DRE) Conference. "Opioids: The Effects on Human Performance and Behavior."	2014
Presenter	San Diego County DUID Strategy Stakeholder Meeting. "Driving Under the Influence of Drugs (DUID) Collaboration."	2014
Presenter	Michigan State Police Annual DRE Conference. "Opioids: The Effects on Human Performance and Behavior."	2014
Presenter	California Association of Toxicologists Meeting. "Forensic Alcohol Review Committee Recommendations and AB 2425: An Update to Title 17."	2014
Presenter	California Criminalistics Institute, Forensic Alcohol Interpretation Course. "Title 17."	2015
Presenter	California District Attorneys Association DUI Toxicology Seminar. "Toxicology of Alcohol."	2015
Presenter	California District Attorneys Association DUI Toxicology Seminar. "Toxicology of Drugs."	2015
Presenter	California District Attorneys Association 2015 Drugged Driving Seminar.	

	" Prescribed Impairment: The Toxicology of Prescription Drugs."	2015
Expert Panelist	National Highway Traffic Safety Administration/Governors Highway Safety Association, Examination of the Legalization and Decriminalization of Marijuana on the DWI System. (Report published in 2017)	2015
Co-presenter	Evolution of Opioid Abuse: Rx to Heroin Symposium. "Use, Abuse, and Cause of Death."	2016
Co-presenter	California Association of Crime Laboratory Directors Spring Meeting. "The Legalization of Marijuana, AB 2740 and AB 1571: The Potential Impact to Public Crime Labs in California."	2016
Co-presenter	Orange County Police Chiefs Association. "Driving Under the Influence of Drugs (DUID) Collaboration: A Six Year Retrospective."	2016
Co-presenter	California Association of Property and Evidence – Inland Empire Chapter. "Fentanyl: A Toxic Opioid."	2016
Co-presenter	Orange County Health Care Agency. "Drug Trend Toxicology."	2016
Co-presenter	South Orange County City Managers Meeting. "Impacts of Proposition 64 and the Legalization of Marijuana."	2016
Co-presenter	South Orange County Mayors Association. "Driving Under the Influence of Drugs (DUID) Collaboration: A Six Year Retrospective."	2016
Co-presenter	Orange County Health Care Agency. "Drug Trend Toxicology."	2016
Co-presenter	California Association of Property and Evidence – San Diego/Riverside Chapter. "Fentanyl: A Toxic Opioid."	2016
Co-presenter	Southern California Traffic Safety Training Network. "Up in Smoke: Legalization of Marijuana."	2016
Co-presenter	Los Angeles District Attorney's Office. "Marijuana Toxicology."	2016
Co-presenter	Santa Ana Police Department. "Fentanyl: A Toxic Opioid."	2017
Co-presenter	Orange County District Attorney's Office – West Justice Center. "Fentanyl: A Toxic Opioid."	2017
Presenter	California Office of Traffic Safety Workshop – Method Development and Validation. "Method Development – Who has time for that?: a manager's perspective"	2017

Presenter	Orange County Prescription Abuse Prevention Coalition. "Use, Abuse, and Rx Diversion."	2017
Co-presenter	South Orange County Police Chiefs and City Managers. "Orange County Drug Trends: The Safety Impact."	2017
Co-presenter	California Association of Property and Evidence. "Fentanyl: A Toxic Opioid."	2017
Co-presenter	Santa Ana Police Department. "Fentanyl: A Toxic Opioid."	2017
Co-presenter	California Association of Crime Laboratory Directors Spring Meeting. "Toxicology Concepts: Testing, Technology, Trends, & Legislation"	2017
Presenter	Orange County Traffic Safety Network. "OCCL DUID for San Bernardino."	2017
Co-presenter	Meeting of the Minds Conference. "Fentanyl: A Toxic Opioid."	2017
Co-presenter	California District Attorneys Association – Drug Impaired Driving Symposium. "Studying Marijuana Impacts: A Toxicologist's Perspective."	2017
Co-presenter	California District Attorneys Association – Drug Impaired Driving Symposium. "Fentanyl: A Toxic Opioid."	2017
Co-presenter	California District Attorneys Association – Drug Impaired Driving Symposium. "Narcan/Opioids Panel Discussion."	2017
Video Development		
	Police Officers Standards and Training (P.O.S.T.): Fentanyl Exposure "Did YouKnow?"	2017
Presenter	California Office of Traffic Safety Workshop – Method Development and Validation. "Method Development – Who has time for that?: a manager's perspective"	2017
Panelist	California Office of Traffic Safety 50th Anniversary Traffic Safety Summit. "Drug Impaired Driving."	2017
Trainer	Orange County District Attorney's Office, Orange County Crime Laboratory, and Orange County Sheriff-Coroner Department. "Fentanyl: A Toxic Opioid: A Video Training Series for Law Enforcement and Prosecutors."	2017
Presenter	California Office of Traffic Safety Workshop – Driving Under the Influence of Drugs Expert Testimony. "Starting a DUID Program and Cultivating Relationships."	2017
Presenter	International Association of Chiefs of Police/California Highway Patrol DRE Instructor Recertification School. "Fentanyl: a Toxic Opioid."	2017

Presenter	California Association of Property and Evidence Central Coast Chapter. "Fentanyl: A Toxic Opioid."	2017
Presenter	OCSD Fentanyl Summit. "Fentanyl: A Toxic Opioid, an Update."	2017
Presenter	California Association of Property and Evidence San Diego Chapter. "Fentanyl: A Toxic Opioid."	2017
Presenter	Mission Hospital Trauma Symposium. "Drug Trend Toxicology."	2017
Presenter	Los Angeles Police Department, DRE Recertification. "Fentanyl: A Toxic Opioid."	2017
Presenter	Los Angeles Police Department, DRE Recertification. "Fentanyl: A Toxic Opioid."	2017
Presenter	Orange County Intelligence Assessment Center & Orange County Shield. "Fentanyl: A Toxic Opioid."	2018
Presenter	Texas Impaired Driving Forum, "Opioids: Use, Abuse, and Cause of Death."	2018
Presenter	CHP Impaired Driving Task Force, "Testing, Technology, Research, and Collaboration."	2018
Presenter	Orange County Intelligence Assessment Center Lunch and Learn, "Fentanyl: A Toxic Opioid."	2018
Panelist/Presenter	National Highway Traffic Safety Administration DUID Call to Action Event, "DUID: Testing, Technology, Research, and Collaboration."	2018
Presenter	Mission Hospital Cardiovascular Pulmonary Symposium. "Drug Trend Toxicology."	2018
Presenter	ARIDE – Newport Beach Police Department. "Drug Trend Toxicology."	2018
Presenter	International Chiefs of Police Annual Drug Recognition Expert (DRE) Conference. "The Orange County Model: Testing, Training, Research, and Collaboration."	2018
Presenter	California Statewide Coroner Symposium, "Fentanyl: A Toxic Opioid."	2018
Presenter	Newport Beach Police Department. "Drug Trend Toxicology."	2018
Presenter	Orange County Joint Hazardous Assessment Team, "Fentanyl: A Toxic Opioid."	2018
Presenter	ARIDE – Newport Beach Police Department. "Drug Trend Toxicology."	2018
Presenter	NHTSA/CHP/OTS – Ideas to Impact: A Dialogue to Address Drug-Impaired Driving	2018
Presenter	California State CUPA Conference, "Fentanyl a Toxic Opioid."	2019
Co-presenter	Northern California HIDTA, "Marijuana Impacts: A Toxicologist's Perspective."	2019

Expert Panelist	National Governor's Association, "The Orange County Model: Testing, Training, Research, and Collaboration."	2019
Presenter	California Association of Crime Laboratory Directors, "DUI Drugs: State and National Efforts."	2019
Co-presenter	Orange County Board of Education, "Drug Trend Toxicology."	2019
Presenter	ARIDE – Newport Beach Police Department. "Drug Trend Toxicology."	2019
Co-presenter	International Chiefs of Police Annual Drug Recognition Expert (DRE) Conference. "Marijuana Impacts: A Toxicologist's Perspective."	2019
Presenter	Governor's Highway Safety Association, "Marijuana Toxicology" and "Innovative Strategies to DUID."	2019
Panelist	Southern California Traffic College, "Tox Talks."	2020
Co-presenter	California State SART Summit, "Drug Facilitated Sexual Assault."	2020
Panelist	National Governors Association: Learning Collaborative on State Strategies to Strengthen and Leverage Data to Address Impaired Driving. "Data Collection: A Toxicologist's Perspective."	2020
Presenter	Northern California Traffic College, "Toxicology."	2020
Co-Presenter	California State SART Summit, "Drug Facilitated Sexual Assault".	2020
Panelist	National Governor's Association, "Data Collection: A Toxicologist's Perspective."	2020
Moderator	Lifesaver's Conference, "Enhancing State Data Collection."	2021
Co-Presenter	American Bar Association, 2021 Traffic Court Academy, "Breath and Blood Testing: What Does it All Mean?"	2021
Co-Presenter	Wyoming State DRE Conference, "Navigating the Crossroads of Poly Drugged Driving."	2021
Co-Presenter	California Association of Toxicologists Annual Meeting, "Navigating the Crossroads Of Poly Drugged Driving."	2021
Moderator	National Alliance to Stop Impaired Driving, "Toxicology: Issues, Challenges, and Project Goals."	2021
Co-Presenter	IACP Drugs, Alcohol, and Impaired Driving Annual Conference, "Toxicology – Parent, Drugs, Metabolites, and Derivatives, Oh My!"	2021

Panelist	Governor's Highway Safety Association, "Hot Issues in Alcohol, Drug, and Multi-Substance Impaired Driving: Toxicology."	2021
Co-Presenter	San Diego County Methamphetamine Strike Force Quarterly Meeting, "San Diego County Drug Trends."	2021
Co-Presenter	Society of Forensic Toxicologists, "The Three-Legged Stool."	2021
Panelist	California Association of Crime Laboratory Directors, "CHP Cannabis Grant: San Diego County."	2021
Co-Presenter	International Association of Chiefs of Police Webinar, "No BAC for THC."	2022
Moderator	Lifesaver's Conference, "California DUID Efforts."	2022
Co-Presenter	Drug Toxicology & Prosecuting the Poly-substance DUI Driver	2022
Co-Presenter	California Association of Toxicologists Annual Meeting, "A Toxicologist Without a Toxicology Lab: Addition of Toxicology to the SDCS Crime Lab."	2022
Co-Presenter	Cannabis, Cannabis Combos, and Impairment	2022
Presenter	Missouri Municipal & Associate Circuit Judges Association Annual Conference, "Toxicology Essentials in Impaired Driving Cases."	2022
Speaker	MADD San Diego County Law Enforcement Recognition Awards	2022
Co-Presenter	Impairment in Transportation TRB Committee, "Toxicology Standardization and Improvement."	2022
Presenter	ARIDE – Oceanside Police Department. "Drug Trend Toxicology."	2022
Co-Presenter	IACP Drugs, Alcohol, and Impaired Driving Annual Conference, "The Three-Legged Stool."	2022
Co-Presenter	California State SART Summit, "Drug-Facilitated Sexual Assault."	2022
Presenter	The National Judicial College, "Toxicology Essentials."	2022
Panelist	California Association of Crime Laboratory Directors, "Update of Use of CHP Cannabis Grant Funds."	2022
Presenter	California District Attorneys Association (CDAA), "Toxicology Essentials for Drugged Driving Cases."	2022
Panelist	California Office of Traffic Safety Law Enforcement Summit, Impaired Driving Panel	2023
Co-Presenter	IACP Impaired Driving and Traffic Safety Conference, "Fentanyl: Its Origins and	

	Challenges."	2023
Panelist	California Association of Crime Laboratory Directors, "Undue Influences by Parent Organizations."	2023
Presenter	California District Attorneys Association, "Science of Drugs." & DUI	2023
Co-presenter	Bureau of Justice Assistance, Annual Program Meeting, "Improving the Impact of Federal Funding."	2023
Panelist	California Office of Traffic Safety and AAA, California Traffic Safety Summit, "Impaired Driving: Expert Panel."	2023
Presenter	California Association of Toxicologists Annual Fall Meeting, "Building a Full-Service Toxicology Program: Funding and Implementation."	2023
Presenter	Cathedral Catholic High School, "Toxicology Essentials."	2024
Co-presenter	International Association for Chemical Testing Annual Meeting, "Implementing Statewide Goals."	2024
Co-presenter	Florida TSRP, "Navigating Contemporary Cannabis Impairment, Research Methodologies, Limitations, and Implications for Criminal Justice."	2024
Presenter	California Association of Crime Laboratory Directors Annual Meeting, "Quality Assurance: New Employee On-Boarding to Employee Release."	2024
Panelist	NHTSA Toxicology Liaison, Testimony Training, Expert Testimony Panel	2024

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