

Jennifer Harmon, MPA, BS

Senior Scientist

Professional Summary

Accomplished public administrator and forensic science leader with over 25 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 & Employee Development
- Interagency Collaboration

Professional Experience

Intertox, Inc. (2026-Present)

Senior Scientist

- 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.

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.

Consultant & Curriculum Manager (2025–Present)

DrugImpairment.com

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

Crime Laboratory Director (2019–2025)

San Diego County Sheriff's Department, Regional Crime Laboratory

- Oversee 90+ forensic experts across multiple disciplines: Toxicology, DNA, Latent Prints, Cal ID, 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.
- Change management, incorporate better business practices, and innovate with the latest technology, including obtaining funding.

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.
- Implementation of state-of-the-art technology, LCMSMS and LCMS-QTOF; enhancing testing to more than 330 drugs in a single method.

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/IEC 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.

Education

Master of Public Administration (2018)

Brandman University

Bachelor of Science in Biology (2001)

California State University, Long Beach

- Minors: Chemistry, Political Science

Certifications & Training

- **ISO/IEC 17025 & 17020 Lead Assessor & Technical Assessor** – A2LA (2025-Present)
- **ISO/IEC 17025 AR 3125 Technical Assessor (Toxicology)** – ANAB (2011–Present)
- **SFST, ARIDE, Drug Recognition Expert (DRE)** – NHTSA/IACP (audited 2005)
- **Forensic Alcohol Supervisor** – California Department of Public Health

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, 2018-2025)
- **Society of Forensic Toxicologists**

Awards & Honors

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

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>

Legislative & Advocacy Work

- Co-authored California 2019 SB 283, 2019 AB 551, and 2022 SB 925.
- Testified before CA State Senate/Assembly on SB 283 (2019), AB 551 (2019), SB 176 (2017), SB 1323 (2016).
- 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).
- California Forensic Alcohol Review Committee – Title 17 of the California Code of Regulations.
 - Appointed California Association of Toxicologists Representative (2012-2018)
 - Appointed California Association of Crime Lab Directors Representative (2025 – present)

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, ISO/IEC 17025, AR 3125, ISO/IEC 17020.

Training

Forensic Pathology

California State University at Fullerton, Extension
7/2000

Crime Scene Investigation

California State University at Fullerton, Extension
3/2001

Introduction to Capillary Gas Chromatography

Agilent Technologies, Training Seminar
2001

Clinical Chemistry and Forensic Toxicology – A Symbiotic Relationship in Death Investigation

American Academy of Forensic Sciences, Workshop
2/2003

Antipsychotics – Medicines for the Mind

American Academy of Forensic Sciences, Workshop
2/2003

Murder by Poison & Poisoners throughout History

American Academy of Forensic Sciences, Workshop
2/2003

Interpretive Toxicology: Unraveling the Mystery?

California Association of Toxicologists, Workshop
5/2003

DUI Seminar

Cavanaugh and Associates

P.O.S.T. class

3/2004

Drugs and Driving

California Association of Criminalists, Workshop

10/2004

Medical Conditions and DUI Investigation

California Association of Toxicologists, Workshop

3/2005

Moot Court – Driving Under the Influence of Drugs and Alcohol

California Association of Toxicologists, Workshop

6/2005

Drug Recognition Expert Training

National Highway Traffic Safety Administration & International Association of Chiefs of Police, DRE Class

6/2005

HPLC and LC-MS-MS

Thermo Electron, Training Seminar

9/2005

HPLC

LC Resources, Training Seminar

11/2005

Meeting

California Association of Toxicologists

1/2006

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

American Academy of Forensic Sciences, Workshop

2/2006

Interpretation of Toxicological Analysis in the Elderly

American Academy of Forensic Sciences, Workshop

2/2006

Street Drugs

American Academy of Forensic Sciences, Workshop
2/2006

Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques

American Academy of Forensic Sciences, Workshop
2/2006

Annual Meeting

American Academy of Forensic Sciences
2/2006

Controlled Drinking Study

OCSD Harbor Patrol
3/2006

Annual Meeting

International Association for Chemical Testing
4/2006

To Derivatize or Not Derivatize, That is the Question?

California Association of Toxicologists, Workshop and Meeting
11/2006

Blood Drug Levels and Impaired Driving

The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety Symposium
8/2007

Joint Meeting

The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety
8/2007

How to Become a More Effective Supervisor

CareerTrack
3/2008

The Effects of Drugs on Human Performance and Behavior

Indiana University, Robert F. Borkenstein Center for Studies of Law in Action

4/2008

Emergency Management Institute's ICS-300 & 400

U.S. Department of Homeland Security, Center for Domestic Preparedness

4/2008

OC Leadership Lessons – Leading as a Way of Being

County of Orange

7/2008

Operator, Calibration, Accuracy Check and Maintenance Certification

Intoximeters Inc.

8/2008

Criticism and Discipline Skills for Managers

CareerTrack

12/2008

User Group Meeting

PerkinElmer – TotalChrom

3/2009

DUI Correlation Workshop – Controlled Alcohol Drinking and Driving Simulator Study

California Association of Criminalists

5/2009

Brightline Compliance – Preventing Workplace Violence, California Supervisors,
2nd Edition

County of Orange

6/2009

Brightline Compliance – Reasonable Accommodation of Disabilities, 2nd Edition

County of Orange

6/2009

Comprehensive Gas Chromatography Seminar

Restek Corporation

1/2010

Headspace Gas Chromatography Seminar

Restek Corporation

1/2010

Controlled Drinking Study

OCSD Harbor Patrol

3/2010

8-Hour Introduction to ISO/IEC 17025:2005

American Society of Crime Laboratory Directors-Laboratory Accreditation Board

3/2010

ASCLD/LAB-International Breath Alcohol Calibration Assessor Training Course

American Society of Crime Laboratory Directors-Laboratory Accreditation Board

3/2010

Spring Meeting

California Association of Crime Laboratory Directors

4/2010

Sleep and Driving

California Association of Toxicologists, Workshop and Meeting

5/2010

Controlled Drinking Study

Orange County Crime Laboratory (OCSD Katella Training Facility)

5/2010

OC Leadership Lessons – Leading in Teams

County of Orange

9/2010

Driving Under the Influence of Drug(s): Says Who?

California Association of Toxicologists, Fall Meeting

5/2010

ASCLD/LAB-International Assessor Refresher Course

American Society of Crime Laboratory Directors-Laboratory Accreditation Board

5/2011

Auditing Police Performance

The Center for Criminal Justice at California State University – Long Beach
5/2011

Measurement Confidence for the Forensic Laboratory: 100A (Traceability), 100B
(Measurement Assurance) 100C (Uncertainty Concepts)

American Society of Crime Laboratory Directors-Laboratory Accreditation Board
7/2011

Decentralized Risk Management

Orange County Sheriff-Coroner Department & Gordon Graham
8/2011

Forensic Alcohol and Quality Assurance Study Groups

California Association of Criminalists
8/2011

Orange County Crime Laboratory PEBT Comparison Study – Controlled Drinking Study

OCSD Harbor Patrol
9/2011

To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics

RTI International and NIJ
5/2012

Answering the NAS: The Ethics of Leadership and the Leadership of Ethics

RTI International and NIJ
6/2012

Transition to Leadership

West Virginia University Extended Learning
6/2012

Laboratory Management for Dummies...and Smarties too

Society of Forensic Toxicologists
7/2012

LC/MS/MS Method Development & Validation for Forensic Toxicology

Society of Forensic Toxicologists
7/2012

Strategies for Expanding DUID Testing: Is Oral Fluid the Way?

Society of Forensic Toxicologists

7/2012

Annual Meeting

Society of Forensic Toxicologists

7/2012

Thinking Outside the Lines for Business Leaders and Managers

Anaheim

3/2013

Ethics in Forensic Science

California Criminalistics Institute

5/2013

Developing Your Emotional Intelligence

National Seminars

5/2013

County of Orange Leadership Academy

Chapman University

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 DUID 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

Harvard Business Review

12/2015

Controlled Drinking Study

Fullerton Police Department

2/2016

ASCLD/LAB-International Calibration Assessor Refresher Course

American Society of Crime Laboratory Directors-Laboratory Accreditation Board

3/2016

Evolution of Opioid Abuse: Rx to Heroin Symposium

Tustin

4/2016

Synthetic Drug Summit

Tustin

5/2016

Spring Meeting

California Association of Crime Laboratory Directors

5/2016

Silicon Valley Marijuana Awareness Summit

Santa Clara

9/2016

AAA Drugged Driving Summit

Los Angeles

10/2016

Alcohol, Drugs and Impairment Division Expert Panel Meeting

National Safety Council

11/2016

Fall Meeting

California Association of Toxicologists

11/2016

Controlled Drinking Study

Fullerton Police Department

3/2016

A Multidisciplinary Approach Development Meeting

National Best Practices for Sexual Assault Kits

3/2017

Spring Meeting

California Association of Toxicologists

5/2017

Opioid Epidemic and Heroin Use

Santa Ana

5/2017

Annual Drug Recognition Expert (DRE) Conference

International Chiefs of Police

8/2017

Meeting

California Toxicology Stakeholders

8/2017

Opiate Epidemic Webinar

Sam Quinones Explores America

9/2017

Root Cause Webinar

ANAB

10/2017

Managing Conflict Workshop

Orange County

10/2017

Fall Meeting

California Association of Toxicologists

11/2017

Green Lab

Santa Ana

2/2018

Spring Meeting

California Association of Toxicologists

5/2018

Annual Drug Recognition Expert (DRE) Conference

International Chiefs of Police

8/2018

Sparking Creativity and Innovation

Skill Path Seminars

8/2018

Annual Meeting

California Association of Crime Laboratory Meeting

California Directors

10/2018

Fall Meeting

California Association of Toxicologists
11/2018

Spring Meeting

California Association of Toxicologists
5/2019

Annual Meeting

California Association of Crime Laboratory Directors
5/2019

Fall Meeting

California Association of Toxicologists
11/2019

Online Forensic Symposium: Current Trends in Forensic Toxicology

Center for Forensic Science Research and Education
6/2020

Forensic Genealogy: Diving Deeper into Law Enforcement Investigations

American Society of Crime Laboratory Directors
3/2020

Annual Meeting

California Association of Crime Laboratory Directors
11/2020

Annual Meeting

IACP Drugs, Alcohol, and Impaired Driving Conference
8/2021

Meeting

Western States Laboratory Directors (WILD)
1/2022

Annual Meeting

California Association of Crime Laboratory Directors
10/2021

Building a Better Workplace

County of San Diego – Webinar

1/2022

Annual Meeting

American Society of Crime Laboratory Directors (ASCLD)

4/2022

Spring Meeting

California Association of Toxicologists

5/2022

Accountability in Action: A Step-by Step Process for Achieving Organizational Success

U Mass Global Webinar

6/2022

Novel Methods for Assessing the Prevalence of Drugged Driving

Transportation Research Board (TRB), Impairment in Transportation Committee

7/2022

Lessons Learned from Seized Drug Errors in Wrongful Convictions

Center for Forensic Science Research and Education

9/2022

Annual Meeting

California Association of Crime Laboratory Directors

9/2022

Lessons from the Marvel Cinematic Universe to Become a Better Leader

California State University Long Beach

12/2022

Spring Meeting

California Association of Toxicologists

5/2023

Annual Meeting

International Association of Chiefs of Police: Impaired Driving and Traffic Safety Conference

8/2023

Annual Meeting

California Association of Crime Laboratory Directors
9/2023

Annual Meeting

Bureau of Justice Assistance, Annual Program Meeting
10/2023

Fall Meeting

California Association of Toxicologists
12/2023

Annual Meeting

California Association of Crime Laboratory Directors
9/2024

Meeting

California Toxicology Stakeholders Meeting
12/2024

Fall Meeting

California Association of Toxicologists
12/2024

Annual Meeting

International Association of Chiefs of Police: Impaired Driving and Traffic Safety
8/2025

Webinar

A2LA Training: ISO/IEC 17020
8/2025

Annual Meeting

A2LA AnnConn
4/2026

Spring Meeting

California Association of Toxicologists
5/2026

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 You Know?”

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

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 SDSD 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

Co-presenter

California Office of Traffic Safety Law Enforcement Summit, "Stop Limit Testing"
2025

Panelist

International Chiefs of Police, Impaired Driving and Traffic Safety Conference, "A
2025 Peek Behind the Curtain: Q&A with the DRE's Technical Advisory Panel's
Scientific Workgroup."
2025

Presenter

California District Attorneys Association (CDAA), "Toxicology Essentials for New
Prosecutors."
2025

Presenter

California District Attorneys Association (CDAA), Vehicular Homicide Symposium,
"Driving and Drug Impairment."
2026

Instructor

DrugImpairment.com, "Driving and Drug Impairment."
2026

Presenter

California Association of Toxicologists (CAT) Spring Meeting, "Agonizing
Opioids."
2026

Co-presenter

2026 Current Trends in Forensic Toxicology Symposium, "A Change in the U.S.
BAC Per Se: Data and Debate to Moving to 0.05% BAC."
2026