

**Committee on Energy and Commerce**  
**U.S. House of Representatives**  
 Witness Disclosure Requirement - "Truth in Testimony"  
 Required by House Rule XI, Clause 2(g)(5)

|   |          |    |
|---|----------|----|
| <b>1. Your Name:</b><br>Jennifer Harmon   |          |    |
| <b>2. Your Title:</b><br>Assistant Director – Forensic Chemistry  |          |    |
| <b>3. The Entity(ies) You are Representing:</b><br>Orange County Crime Laboratory   |          |    |
| <b>4. Are you testifying on behalf of the Federal, or a State or local government entity?</b><br>Orange County Sheriff-Coroner Department - Orange County Crime Laboratory  | Yes<br>X | No |
| <b>5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2015. Only grants, contracts, or payments related to the subject matter of the hearing must be listed.</b><br><br>N/A |          |    |
| <b>6. Please attach your curriculum vitae to your completed disclosure form.</b><br><br>Attached  |          |    |

Signature



Date: 7/9/18



## CURRICULUM VITAE

ORANGE COUNTY CRIME LABORATORY 320 N. FLOWER ST., SANTA ANA, CA 92703

***Jennifer Harmon***

***Assistant Director***

### EDUCATION

Bachelor of Science, Biology, option in Physiology, double minor in Chemistry and Political Science, California State University at Long Beach, June 2001

Master of Public Administration, Brandman University, June 2018

### EMPLOYMENT

December 2011-present. Assistant Director, Orange County Sheriff-Coroner, OC Crime Lab, Forensic Chemistry Bureau. Assigned to manage the Controlled Substances, Toxicology and Forensic Alcohol Sections of the laboratory.

January 2008 – December 2011. Senior Forensic Scientist, Orange County Sheriff-Coroner, Forensic Science Services, Forensic Alcohol. Assigned to supervise the Forensic Alcohol Section, including both blood and breath alcohol.

August 2004 – January 2008. Forensic Scientist, Orange County Sheriff-Coroner, Forensic Science Services, Toxicology. Assigned to analyze forensic toxicology samples, via immunoassay (ELISA), GC/MS, GC/NPD, and GC/FID.

January 2004 – August 2004. Forensic Scientist, Orange County Sheriff-Coroner, Forensic Science Services, Forensic Alcohol. Assigned to analyze forensic alcohol samples, via GC/FID.

November 2001 – January 2004. Forensic Scientist, Orange County Sheriff-Coroner, Forensic Science Services, Toxicology. Assigned to analyze forensic toxicology samples, via immunoassay (ELISA), GC/MS, GC/NPD, and GC/FID.

June 2001 - October 2001. Scientist, Research and Development, Hycor Biomedical. Responsible for development, chemical activation, and analysis by immunoassay of experimental allergen discs. Development of allergen protein extracts and analysis of these extracts by gel electrophoresis and protein quantitation. Correlation and compilation of data.

December 2000 – June 2001. Volunteer Intern, Orange County Sheriff-Coroner, Forensic Science Services, Toxicology. Inventory and validation of drug reference standards by GC/MS and UV/Vis.

September 2000 – May 2001. Chemistry Laboratory Technician, Bioscreen Testing Services. Responsible for preparation of samples for GC, HPLC, and AA analysis. Analysis of samples for pH, viscosity, and specific gravity. Limited experience in GC, HPLC, and Karl Fischer analysis.

August 2000 – December 2000. Volunteer Intern, Orange County Sheriff-Coroner, Coroner



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Division. Assigned to update database

### PROFESSIONAL CERTIFICATION AND LICENSES

Forensic Alcohol Analyst, California Department of Public Health, April 15, 2003

Forensic Alcohol Supervisor, California Department of Public Health, May 16, 2006

ANAB (formerly known as American Society of Crime Laboratory Directors/Laboratory Accreditation Board) Certified Technical Assessor (Toxicology Testing and Breath Alcohol Calibration), June 17, 2011

### PROFESSIONAL TRAINING

California State University at Fullerton, Extension. "Forensic Pathology", 1.2 CEU's, July 2000.

California State University at Fullerton, Extension. "Crime Scene Investigation", 0.9 CEU's, March 2001.

Agilent Technologies, Training Seminar. "Introduction to Capillary Gas Chromatography." December 2001.

American Academy of Forensic Sciences, Workshop. "Clinical Chemistry and Forensic Toxicology – A Symbiotic Relationship in Death Investigation." February 2003.

American Academy of Forensic Sciences, Workshop. "Antipsychotics – Medicines for the Mind." February 2003.

American Academy of Forensic Sciences, Workshop. "Murder by Poison & Poisoners throughout History." February 2003.

California Association of Toxicologists, Workshop. "Interpretive Toxicology: Unraveling the Mystery?" May 2003.

Cavanaugh and Associates, P.O.S.T. class. "DUI Seminar," 36 hours, March 2004.

California Association of Criminalists, Workshop. "Drugs and Driving." October 2004.

California Association of Toxicologists, Workshop. "Medical Conditions and DUI Investigation." March 2005.

California Association of Toxicologists, Workshop. "Moot Court – Driving Under the Influence of Drugs and Alcohol," June 2005.

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



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ORANGE COUNTY CRIME LABORATORY 320 N. FLOWER ST., SANTA ANA, CA 92703

DRE class. "Drug Recognition Expert Training," 80 hours. June 2005.

Thermo Electron, Training Seminar. "HPLC and LC-MS-MS." September 2005.  
LC Resources, Training Seminar. "HPLC." November 2005.

California Association of Toxicologists, Meeting. January 2006

American Academy of Forensic Sciences, Workshop. "Research, Writing, and Reviewing: A Guide to Designing, Conducting, Writing, Publishing, and Analyzing Scientific Research." February 2006.

American Academy of Forensic Sciences, Workshop. "Interpretation of Toxicological Analysis in the Elderly." February 2006.

American Academy of Forensic Sciences, Workshop. "Street Drugs." February 2006.

American Academy of Forensic Sciences, Workshop. "Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques." February 2006.

American Academy of Forensic Sciences, Annual Meeting. February 2006.  
OCSD Harbor Patrol – Controlled Drinking Study, March 2006.

International Association for Chemical Testing, Annual Meeting. April 2006.

California Association of Toxicologists, Workshop and Meeting. "To Derivatize or Not Derivatize, That is the Question?" November 2006.

The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety Symposium. "Blood Drug Levels and Impaired Driving." August 2007.

The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety Joint Meeting. August 2007

CareerTrack, "How to Become a More Effective Supervisor." March 2008

Indiana University, Robert F. Borkenstein Center for Studies of Law in Action, "The Effects of Drugs on Human Performance and Behavior." April 2008.

U.S. Department of Homeland Security, Center for Domestic Preparedness, "Emergency Management Institute's ICS-300 & 400." June 2008

The County of Orange, "OC Leadership Lessons – Leading as a Way of Serving." July 2008.



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ORANGE COUNTY CRIME LABORATORY 320 N. FLOWER ST., SANTA ANA, CA 92703

Operator, Calibration, Accuracy Check and Maintenance Certification, Intoximeters Inc., August 2008.

CareerTrack, "Criticism and Discipline Skills for Managers." December 2008  
PerkinElmer – TotalChrom User Group Meeting, March 2009.

California Association of Criminalists, "DUI Correlation Workshop – Controlled Alcohol Drinking and Driving Simulator Study," May 2009.

Brightline Compliance – Preventing Workplace Harassment – California Supervisors' 2nd Edition – County of Orange, June 2009.

Brightline Compliance – Reasonable Accommodation of Disabilities 2nd Edition – County of Orange, June 2009.

Restek Corporation – Comprehensive Gas Chromatography Seminar, January 12, 2010.

Restek Corporation – Headspace Gas Chromatography Seminar, January 26, 2010.

OCSD Harbor Patrol – Controlled Drinking Study, March 2010.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, 8-Hour Introduction to ISO/IEC 17025:2005, Texas, March 22, 2010.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, ASCLD/LAB-International Breath Alcohol Calibration Assessor Training Course, Texas, March 22-26, 2010.

California Association of Crime Laboratory Directors Spring Meeting, Long Beach, California, April 22-23, 2010.

California Association of Toxicologists, Workshop and Meeting. "Sleep and Driving," Sacramento, California, May 2010.

Orange County Crime Laboratory (OCSD Katella Training Facility) – Controlled Drinking Study, May 2010.

The County of Orange, "OC Leadership Lessons – Leading in Teams." September 2010.

California Association of Toxicologists, Fall Meeting. "Driving Under the Influence of Drug(s): Says Who?" Anaheim, California, November 2010.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, ASCLD/LAB-International Assessor Refresher Course, May 4, 2011.



The Center for Criminal Justice at California State University – Long Beach, “Auditing Police Performance.” Newport Beach, California, May 18-20, 2011.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, ASCLD/LAB-International Measurement Confidence for the Forensic Laboratory:

100A (Traceability) Webinar – July 21, 2011

100B (Measurement Assurance) Webinar – July 22, 2011

100C (Uncertainty Concepts) Webinar – July 22, 2011.

Orange County Sheriff-Coroner Department & Gordon Graham, “Decentralized Risk Management,” Newport Beach, California, August 1, 2011.

California Association of Criminalists, Forensic Alcohol and Quality Assurance Study Groups, Anaheim, California, August 11, 2011.

Orange County Crime Laboratory PEBT Comparison Study – Controlled Drinking Study. OCSB Harbor Patrol, September 2011.

“To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics,” Webinar by RTI International and NIJ, May 2012.

“Answering the NAS: The Ethics of Leadership and the Leadership of Ethics,” Webinar by RTI International and NIJ, June 2012.

“Transition to Leadership,” Webinar by West Virginia University Extended Learning. June 2012.

Society of Forensic Toxicologists, Workshop: “Laboratory Management for Dummies...And Smarties too.” Boston, July 2, 2012.

Society of Forensic Toxicologists, Workshop: “LC/MS/MS Method Development & Validation for Forensic Toxicology.” Boston, July, 2, 2012.

Society of Forensic Toxicologists, Workshop: “Strategies for Expanding DUID Testing: Is Oral Fluid the Way?” Boston, July 3, 2012.

Society of Forensic Toxicologists Annual Meeting, Boston, July 2012.

“Thinking Outside the Lines for Business Leaders and Managers”, Anaheim, March 2013.

“Ethics in Forensic Science.” California Criminalistics Institute, Santa Ana, May 2013.

“Developing Your Emotional Intelligence,” National Seminars, Irvine, May 2013.

County of Orange Leadership Academy. Chapman University, Orange, September 2013-January 2014.



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ORANGE COUNTY CRIME LABORATORY 320 N. FLOWER ST., SANTA ANA, CA 92703

California Association of Crime Laboratory Directors Spring Meeting, Costa Mesa, April 2014.

International Association for Chemical Testing Annual Meeting, Newport Beach, April 2014.

California Association of Toxicologists Spring Meeting, Sacramento, May 2014.

Orange County DUI/DUID Forum: The Growing Problem of DUID in Orange County, May 29, 2014.

"Influential Leadership: Persuasion Techniques that Aren't Pushy," National Seminars Webinar, June 16, 2014.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, ASCLD/LAB-International Assessor Refresher Course, July 8, 2014.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, Measurement Traceability – ASCLD/LAB Assessor Training, July 22, 2014.

"Leadership Secrets of Remarkable Women," National Seminars Webinar, July 24, 2014.

"FISH!," National Seminars Webinar, August 14, 2014.

"Back Safety – 2 hours," County of Orange CEO/Office of Risk Management Safety and Loss Prevention Program, August 18, 2014.

"Defensive Driving Basic - 4 hours," County of Orange CEO/Office of Risk Management Safety and Loss Prevention Program, August 20, 2014.

California Association of Toxicologists, Workshop and Meeting. "Alcohol and Performance" and "Postmortem Topics." November 2014.

"Underage Impaired Driving DUI Forum," Orange County DUI Task Force, April 24, 2015.

California Association of Crime Laboratory Directors Spring Meeting, Ventura, May 2015.

"Fearless Intelligence," Orange County Sheriff-Coroner Department, May 27, 2015.

"Drugged Impaired Driver Training for Law Enforcement and Prosecution Professionals," California District Attorneys Association, June 2015.

"Pharmacology of Addiction and Related Issues," UCLA Integrated Substance Abuse Programs and Pacific Southwest Addition Technology Transfer Center (on-site at Orange County Crime Laboratory), June 22, 2015.



California Association of Toxicologists Fall Meeting, Irvine, November 2015.

“Building the Team Journey” webinar by Harvard Business Review, December 2015.

Drug Recognition Expert Training, Fullerton Police Department – Controlled Drinking Study, February 23, 2016.

American Society of Crime Laboratory Directors-Laboratory Accreditation Board, ASCLD/LAB-International Calibration Assessor Refresher Course, March, 1, 2016.

“Evolution of Opioid Abuse: Rx to Heroin Symposium”, Tustin, April 29, 2016.

Synthetic Drug Summit, Tustin, May, 20, 2016.

California Association of Crime Laboratory Directors Spring Meeting, Los Angeles, May 2-3, 2016.

Silicon Valley Marijuana Awareness Summit, Santa Clara, September 8-9, 2016.

AAA Drugged Driving Summit, Los Angeles, October 5, 2016.

National Safety Council’s Alcohol, Drugs and Impairment Division Expert Panel Meeting, Philadelphia, November 3-4, 2016.

California Association of Toxicologists Fall Meeting, Indian Wells, November 5, 2016.

Standardized Field Sobriety Training, Fullerton Police Department – Controlled Drinking Study, March 7, 2016.

National Best Practices for Sexual Assault Kits: A Multidisciplinary Approach Development Meeting, Sacramento, California, March 28, 2017.

California Association of Toxicologists Spring Meeting, San Diego, May 4-6, 2017

California Association of Crime Laboratory Directors Spring Meeting, San Francisco, May 8-9, 2017.

Opioid Epidemic and Heroin Use, Santa Ana, California, May 19, 2017

International Chiefs of Police Annual Drug Recognition Expert (DRE) Conference, August 12-14, 2017

California Toxicology Stakeholders Meeting, Santa Clara, California, August 21-22, 2017

Dreamland: Sam Quinones Explores America’s Opiate Epidemic Webinar, September 5, 2017





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ANAB Root Cause Webinar, October 2017

OC Managing Conflict Workshop, October 24, 2017

California Association of Toxicologists Fall Meeting, Las Vegas, November 6-7, 2017

Green Lab, Santa Ana, February 12-13, 2018

## PROFESSIONAL ASSOCIATIONS

California Association of Toxicologists – Full Member

American Academy of Forensic Sciences – Associate Member

California Association of Crime Laboratory Directors – Full Member

Orange County Sheriff-Coroner Department, Risk Liaison Officer – Orange County Crime Laboratory

## PROFESSIONAL EXPERIENCE

California Association of Crime Laboratory Directors, President-Elect, July 2018 - present

National Highway Traffic Safety Administration – Lifesavers Award for Public Service – April 23, 2018

SB 94 – Impaired Driving Task Force, October 3, 2017 - present

AB 1744 – Establishment of Standardized Rape Kits – CCFMTC and CDAA Committee, March 28 – September 20, 2017

California Association of Toxicologists, President, November 2016 – present

Forensic Alcohol Review Committee, State of California, California Association of Toxicologists representative, February 2013- June 2017

Testimony on SB 176, California State Senate Public Safety Committee, March 21, 2017

Orange County Leadership Lessons I: Leading as a Way of Serving, Co-facilitator, December 2014 - December 2016

Testimony on SB 1323, California State Assembly Public Safety Committee, June 21, 2016



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ORANGE COUNTY CRIME LABORATORY 320 N. FLOWER ST., SANTA ANA, CA 92703

American Society of Crime Laboratory Directors/Laboratory Accreditation Board Technical Advisory Committee (TAC) - Breath Alcohol Calibration, April 15, 2015 - May 27, 2016

Testimony on SB 1323, California State Senate Public Safety Committee, April 5, 2016

California State University, Long Beach, Lois J. Swanson Leadership Resource Center Board of Directors, Board Member, August 2013 - September 2015

## PROFESSIONAL HONORS

National Highway Traffic Safety Administration – Lifesavers Award for Public Service – April 23, 2018

County of Orange, Board of Supervisors Commendation – August 23, 2011

Forensic Science Services Division Commendation – October 7, 2008

## PUBLICATIONS AND PRESENTATIONS

June 2005. California Association of Toxicologists Meeting, Witness. “Moot Court Workshop - Driving Under the Influence of Alcohol and Drugs.”

June 2005. California Association of Toxicologists Meeting, Co-Presenter. “Case Studies from the Orange County Sheriff-Coroner Department.”

November 2006. California Association of Toxicologists Meeting, Presenter. “The Driving Dead: Driving Under the Influence of Potentially Lethal Drug Levels and Combinations.”

November 2010. California Association of Toxicologists Meeting, Presenter. “DUID Work Flow in California Crime Labs: How are DUID cases analyzed, processed and testified to?”

August 2011. California Association of Criminalists Forensic Alcohol and Quality Assurance Study Groups, Presenter. “ASCLD/LAB-International Breath Alcohol Calibration Laboratory.”

February 2012. Drug Recognition Evaluator Training, Presenter. “Orange County Crime Lab.”

March 2012. California Criminalistics Institute, Forensic Alcohol Interpretation Course, Presenter. “Title 17.”

February 2013. Orange County DUI Summit, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

April 2013. Orange County Traffic Investigators Association, Presenter. “Driving Under the



Influence of Drugs (DUID) Collaboration.”

May 2013. San Diego County Prescription Drug Task Force, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

May 2013. Orange County Prescription Drug Summit, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

June 2013. Orange County Sexual Assault Investigators Meeting, Presenter. “Drug Trends and Sexual Assault Statistics 2003-2013.”

August 2013. Governor’s Highway Safety Association, Presenter. “Tox Rox.”

August 2013. North Orange County Bar Association, Presenter. “Drug Trends.”

November 2013. Indiana University Borkenstein Center for Studies of Law in Action, Guest Faculty, “Opioids: The Effects on Human Performance and Behavior.”

December 2013. San Diego Marijuana Key Leadership Team Meeting, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

April 2014. International Association for Chemical Testing Annual Meeting, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

April 2014. International Association for Chemical Testing Workshop, “Alcohol Testing Past, Present and Future,” Co-presenter. “Fluid Analysis: Past, Present and Future.”

May 2014. California District Attorneys Association DUI Toxicology Seminar, Presenter. “Toxicology of Alcohol.”

May 2014. California District Attorneys Association DUI Toxicology Seminar, Presenter. “Toxicology of Drugs.”

July 2014. International Chiefs of Police Annual Drug Recognition Expert (DRE) Conference, Presenter. “Opioids: The Effects on Human Performance and Behavior.”

September 2014. San Diego County DUID Strategy Stakeholder Meeting, Presenter. “Driving Under the Influence of Drugs (DUID) Collaboration.”

October 2014. Michigan State Police Annual DRE Conference, Presenter. “Opioids: The Effects on Human Performance and Behavior.”

November 2014. California Association of Toxicologists Meeting, Presenter. “Forensic Alcohol Review Committee Recommendations and AB 2425: An Update to Title 17.”



April 2015. California Criminalistics Institute, Forensic Alcohol Interpretation Course, Presenter. "Title 17."

May 2015. California District Attorneys Association DUI Toxicology Seminar, Presenter. "Toxicology of Alcohol."

May 2015. California District Attorneys Association DUI Toxicology Seminar, Presenter. "Toxicology of Drugs."

June 2015. California District Attorneys Association 2015 Drugged Driving Seminar, Presenter. "Prescribed Impairment: The Toxicology of Prescription Drugs."

July 2015. National Highway Traffic Safety Administration/Governors Highway Safety Association, Examination of the Legalization and Decriminalization of Marijuana on the DWI System, Expert Panelist. (Report published in 2017)

April 2016. Evolution of Opioid Abuse: Rx to Heroin Symposium, Co-presenter. "Use, Abuse, and Cause of Death."

May 2016. California Association of Crime Laboratory Directors Spring Meeting, Co-presenter. "The Legalization of Marijuana, AB 2740 and AB 1571: The Potential Impact to Public Crime Labs in California."

September 2016. Orange County Police Chiefs Association, Co-presenter. "Driving Under the Influence of Drugs (DUID) Collaboration: A Six Year Retrospective."

September 2016. California Association of Property and Evidence – Inland Empire Chapter, Co-presenter. "Fentanyl: A Toxic Opioid."

September 2016. Orange County Health Care Agency, Co-presenter. "Drug Trend Toxicology."

October 2016. South Orange County City Managers Meeting, Co-presenter. "Impacts of Proposition 64 and the Legalization of Marijuana."

October 2016. South Orange County Mayors Association, Co-presenter. "Driving Under the Influence of Drugs (DUID) Collaboration: A Six Year Retrospective."

November 2016. Orange County Health Care Agency, Co-presenter. "Drug Trend Toxicology."

November 2016. California Association of Property and Evidence – San Diego/Riverside Chapter, Co-presenter. "Fentanyl: A Toxic Opioid."

December 2016. Southern California Traffic Safety Training Network, Co-presenter. "Up in



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Smoke: Legalization of Marijuana.”

December 2016. Los Angeles District Attorney’s Office, Co-presenter. “Marijuana Toxicology.”

January 2017. Santa Ana Police Department, Co-presenter. “Fentanyl: A Toxic Opioid.”

February 2017. Orange County District Attorney’s Office – West Justice Center, Co-presenter. “Fentanyl: A Toxic Opioid.”

March 2017. California Office of Traffic Safety Workshop – Method Development and Validation, presenter. “Method Development – Who has time for that?: a manager’s perspective”

March 2017. Orange County Prescription Abuse Prevention Coalition, presenter. “Use, Abuse, and Rx Diversion.”

March 2017. South Orange County Police Chiefs and City Managers, Co-presenter. “ Orange County Drug Trends: The Safety Impact.”

April 2017. California Association of Property and Evidence, Co-presenter. . “Fentanyl: A Toxic Opioid.”

April 2017. Santa Ana Police Department, Co-presenter. “Fentanyl: A Toxic Opioid.”

May 2017. California Association of Crime Laboratory Directors Spring Meeting, Co-presenter. “ Toxicology Concepts: Testing, Technology, Trends, & Legislation”

May 2017. Orange County Traffic Safety Network, presenter. “OCCL DUID for San Bernardino.”

May 2017. Meeting of the Minds Conference, Co-presenter. “Fentanyl: A Toxic Opioid.”

May 2017. California District Attorneys Association – Drug Impaired Driving Symposium, Co-presenter. “Studying Marijuana Impacts: A Toxicologist’s Perspective.”

May 2017. California District Attorneys Association – Drug Impaired Driving Symposium, Co-presenter. “Fentanyl: A Toxic Opioid.”

June 2017. California District Attorneys Association – Drug Impaired Driving Symposium, Co-presenter. “Narcan/Opioids Panel Discussion.”

July 2017. Police Officers Standards and Training (P.O.S.T.) Video Development: Fentanyl Exposure “Did You Know?”

July 2017. California Office of Traffic Safety Workshop – Method Development and Validation, presenter. “Method Development – Who has time for that?: a manager’s perspective”



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August 2017. California Office of Traffic Safety 50th Anniversary Traffic Safety Summit, panelist. "Drug Impaired Driving."

August 2017. Orange County District Attorney's Office, Orange County Crime Laboratory, and Orange County Sheriff-Coroner Department, trainer. "Fentanyl: A Toxic Opioid: A Video Training Series for Law Enforcement and Prosecutors."

August 2017. California Office of Traffic Safety Workshop – Driving Under the Influence of Drugs Expert Testimony, presenter. "Starting a DUID Program and Cultivating Relationships."

September 2017. International Association of Chiefs of Police/California Highway Patrol DRE Instructor Recertification School, presenter. "Fentanyl: a Toxic Opioid."

September 2017. California Association of Property and Evidence Central Coast Chapter, presenter. "Fentanyl: A Toxic Opioid."

October 2017. OCSD Fentanyl Summit, presenter. "Fentanyl: A Toxic Opioid, an Update."

October 2017. California Association of Property and Evidence San Diego Chapter, presenter. "Fentanyl: A Toxic Opioid."

November 2017. Mission Hospital Trauma Symposium, presenter. "Drug Trend Toxicology."

November 2017. Los Angeles Police Department, DRE Recertification, presenter. "Fentanyl: A Toxic Opioid."

December 2017. Orange County Fire Authority, presenter. "Fentanyl: A Toxic Opioid."

January 2018. Orange County Intelligence Assessment Center & Orange County Shield, presenter. "Fentanyl: A Toxic Opioid."

February 2018. Texas Impaired Driving Forum, presenter, "Opioids: Use, Abuse, and Cause of Death."

February 2018. CHP Impaired Driving Task Force, presenter, "Testing, Technology, Research, and Collaboration."

February 2018. Orange County Intelligence Assessment Center Lunch and Learn, presenter, "Fentanyl: A Toxic Opioid."

March 2018. National Highway Traffic Safety Administration DUID Call to Action Event, panelist/presenter, "DUID: Testing, Technology, Research, and Collaboration."



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April 2018. Mission Hospital Cardiovascular Pulmonary Symposium, presenter. "Drug Trend Toxicology."

April 2018 . ARIDE – Newport Beach Police Department, presenter. "Drug Trend Toxicology."

## LABORATORY AUTHORIZATION (\*Areas of current proficiency testing)

Forensic Alcohol

Toxicology