

## CURRICULUM VITAE

### **Brian J. Capron**

#### **Forensic Toxicologist**

Washington State Toxicology Laboratory  
33810 Weyerhaeuser Way S., Suite 100  
Federal Way, WA 98001  
Phone (206) 262-6100  
E-mail: [Brian.Capron@wsp.wa.gov](mailto:Brian.Capron@wsp.wa.gov)

#### **Employment**

- **Assistant Division Commander Toxicology Laboratory Division-** Washington State Toxicology Laboratory, Federal Way, WA. September 1, 2024 to present.
- **Laboratory Manager-** Washington State Toxicology Laboratory, Federal Way, WA. June 16, 2023 to September 2024.
- **Acting Lab Manager-** Washington State Toxicology Laboratory, Seattle, WA. August 2012 to September 2013, June 2021 to June 2022.
- **Forensic Toxicology Supervisor-** Washington State Toxicology Laboratory, Seattle, WA. February 2006 to June 15, 2023.
- **Forensic Toxicologist** – Washington State Toxicology Laboratory, Seattle, WA. October 2003 to present.
- **Toxicology Supervisor** – Comprehensive Toxicology Services Laboratory, Tacoma, WA. February 1996 – October 2003.
- **Internship** – United States Department of Agriculture, Tacoma, WA. January 1995 – July 1995.

#### **Education**

- Bachelor – Biology, Minor in Environmental Science, 1995, Pacific Lutheran University, Tacoma, Washington

#### **Certification**

- Certified Blood Alcohol Analyst - Washington State Toxicology Laboratory. October 2003 to present

#### **Capabilities**

- GC/MS, LC/MS, LC/MS/MS, TOF, HSGC, Olympus, HPLC

#### **Training Received**

- Overdose Death Investigations Training Summit. WSIN, Sitka PD, DEA, Alaska HIDTA. April 16-17<sup>th</sup>, 2025. Sitka, AK.

- 2024 Reducing Retraumatization in Sexual Assault Prosecution. Washington Association of Prosecuting Attorneys. May 7-8<sup>th</sup>, 2024. Spokane, WA.
- “Drug Facilitated Crime: More Than Routine Toxicology”. NMS Labs Forensic Toxicologist Dan Anderson. April 24, 2024.
- 2023 ASCLD Symposium. April 30 – May 4<sup>th</sup>. Austin, TX.
- An Introduction to Drug Categories in Drug DUI Cases: Cannabis, Part 2 - The Toxicologist. April 25, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Cannabis, Part 1 - The DRE. April 25, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Inhalants, Part 2 - The Toxicologist. April 24, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Inhalants, Part 1 - The DRE. April 24, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Narcotic Analgesics, Part 2 - The Toxicologist. April 18, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Narcotic Analgesics, Part 1 - The DRE. April 17, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Dissociative Anesthetics, Part 2 - The Toxicologist. April 11, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Dissociative Anesthetics, Part 1 - The DRE. April 11, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Hallucinogens, Part 2 - The Toxicologist. April 11, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: Hallucinogens, Part 1 - The DRE. April 5, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: CNS Stimulants, Part 2 - The Toxicologist. April 5, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: CNS Stimulants, Part 1 - The DRE. April 5, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: CNS Depressants, Part 2 - The Toxicologist. March 2, 2023.
- An Introduction to Drug Categories in Drug DUI Cases: CNS Depressants, Part 1 - The DRE. February 24, 2023.
- DRE Basics-How a DRE Becomes a DRE & Introduction to the Matrix. February 14, 2023.
- ASCLD Leadership Academy. On-line training. January – April 2023.
- Going all in- Laboratories with completely digital systems. RTI International. February 2023.
- Triaging Cases- Case Management and All That Means. RTI International. January 2023.
- Sodium Nitrate, Sodium Nitrite and Helium: Grand Rounds 2022. June 17, 2022.
- Cannabis and Driving Safety: What is new and what is next? April 20, 2022. University of Iowa, on-line training.

- Impact of Postmortem Redistribution in the Interpretation of Postmortem Toxicology Results: Grand Rounds 2022. March 18, 2022. Penn State College of Medicine, on-line training
- Interpreting Drug Concentrations in Chronic Pain Patients, Palliative, or Hospice Care: Grand Rounds 2022. March 4, 2022. Penn State College of Medicine, on-line training.
- Counterfeit Medicines and the Illicit Underworld. February 24, 2021. On-line Webinar.
- Idaho DRE In-service. July 23<sup>rd</sup>-24<sup>th</sup>, 2019. Boise, Idaho.
- Drug Facilitated Sexual Assault: From Investigation to Trial. California Association of Toxicologists. May 6-7, 2019. Monterrey, CA.
- Crucial Conversations. January 23 and 25, 2019. Madigan Army Hospital.
- Session III: Interpretive Toxicology for NPS in Forensic Casework. Forensic Technology Center of Excellence. July 25, 2018.
- Session II: Analysis of NPS- Practical Considerations and Analytical Approaches. Forensic Technology Center of Excellence. July 18, 2018.
- Session I: The Synthetic Drug Crisis-Identifying NPS in Forensic Casework. Forensic Technology Center of Excellence. July 17, 2018.
- Driving Under the Influence-from Field Investigation to Prosecution. California Association of Toxicologists. May 7-8, 2018. Rohnert Park, CA.
- How to Understand Measurement Uncertainty in TOF Mass Spectrometry and Ion Mobility-Mass Spectrometry. Live Webcast given by Stephan Haan. Agilent Technologies. June 21<sup>st</sup>, 2017.
- Summit on Reducing the Supply of Illegal Opioids in Washington. June 15-16, 2017. Seattle, WA.
- Method Development and Validation Workshop. California Association of Toxicologists. March 9-10, 2017. Santa Ana, CA.
- Clinical Pharmacology. The Center for Forensic Research & Education. Dr. Lionel Raymon. December 12-14, 2016.
- The Underground World of Illicit Pharmaceuticals. Investigative Consultants. October 6, 2016. Seattle, WA.
- Synthetic Opioids in counterfeit pharmaceuticals and other illicit street drugs: The situation in Canada. NDEWS Webinar. July 20, 2016.
- Emerging Drugs, Drug Trends, and Testing. California Association of Toxicologist Spring Meeting. Incline Village, NV. May 2<sup>nd</sup>-3<sup>rd</sup>, 2016.
- Designer Drugs of Abuse: The Science Behind the Headlines. NDEWS Webinar. Michael Baumann Ph.D. April 27, 2016.
- Measurement Traceability, Measurement Assurance and Measurement Uncertainty. ASCLD/LAB web-based training course. March 29-31, 2016.
- Synthetic Drug Threats in the United States. NDEWS Webinar. Jill Head, DEA. February 24, 2016.

- Public Health Challenge of Synthetic Cannabinoids. The Center for Forensic Science Research & Education. December 2015.
- Hiring the Best. John Reid & Associates. November 6, 2015. Olympia, WA.
- ASCLD/LAB Assessor Course for Testing Laboratories. Ontario, CA. October 26-30, 2015.
- ASCLD/LAB Internal Auditor Course. San Antonio, Texas. February 3<sup>rd</sup> -6<sup>th</sup>, 2015.
- RTI International. Fundamentals of Immunoassay Testing Used in Toxicology. May 21st, 2012.
- Dissociative Anesthetics: The out-of-body experience. Webinar. May 17<sup>th</sup>, 2012.
- Law 101: Legal Guide for the Forensic Expert. NIJ, online training. May 9<sup>th</sup>, 2012.
- All Things Cannabis. California Association of Toxicologists. San Jose, CA. May 4-5<sup>th</sup>, 2012.
- The Expanding Reach of the Designer Drug Movement in 2011: Challenges for Forensic Toxicology and Chemistry. NMS Webinar. November 2011.
- NWAFS Annual Meeting. Synthetic Cannabinoids at the Washington State Toxicology Laboratory. Tacoma, WA. September 28, 2011.
- Uncertainty of Measurements. FSI Continuing Education Program. August 26, 2011. Jackson Hole, WY.
- Mass Spec: Drugs and Trace. FSI Continuing Education Program. August 24-25, 2011. Jackson Hole, WY.
- Ethics in Forensic Science. FSI Continuing Education Program. August 22, 2011. Jackson Hole, WY.
- New Drugs of Abuse: Detection and Challenges. Webinar by Dr. Leo Kadehjian, January 11, 2011.
- Horizontal Gaze Nystagmus training given by Dr. Karl Citek. January, 2011. Seattle, WA
- K2/Spice training by Alaska TSRP Jennifer Messick. December 9<sup>th</sup>, 2010. Seattle, WA.
- K2 and the Synthetic Cannabinoids: Pharmacology, Effects and Chemical Analysis, NMS Webinar, September, 2010.
- Salvia-Effects, Legal Status & Analysis, NMS Labs Webinar, March 2010.
- To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics. RTI International, January 2010.
- Investigation of Elder Deaths. October 28, 2009. King County Medical Examiner's Office, Seattle, WA.
- International Association of Chemical Testing. May 3-7<sup>th</sup>, 2009. Anchorage, Alaska
- Leadership in Police Organizations, September 2008- November 2008 Shelton, WA.

- RTI International. Best Practices for Volumetric Measurement. October 2008.
- RTI International. Expert Testimony for the Forensic Scientist I & II. July 22-23, 2008.
- Epidemiological Studies with Mortality Data: Prescription-Type Opiates. July 22, 2008 Seattle, WA.
- Ethylglucuronide: The Upside and Downside of Monitoring Alcohol Abstinence with ETG. July 2, 2008 Seattle, WA.
- ASCLD/LAB International Preparation Course. June 24-26<sup>th</sup>, 2008. Bismarck, North Dakota.
- RTI International. Opioids and Pain Management. June 19<sup>th</sup>, 2008.
- Alcohol Impairment Lab. May 30 and June 5, 2008. Seattle, WA.
- RTI International. Fundamentals of LC/MS/MS. May 20<sup>th</sup>, 2008.
- RTI International. “Zzzz drugs: Zaleplon, Zopiclone, Zolpidem. May 15<sup>th</sup>, 2008.
- 36<sup>th</sup> Annual FBI Crime Laboratory Development Symposium. St. Louis, MO. April 28-May 2, 2008.
- International Council on Alcohol Drugs and Traffic Safety. Seattle, WA August 26-31, 2007.
- The Robert F. Borkenstein Center for Studies of Law in Action: The effects of Drugs on Human Performance and Behavior April 2-6, 2006
- American Academy of Forensic Science Annual Meeting. Criteria of GC/MS reporting and Toxicology of Opiates in the Elderly, Seattle, WA February 2006.
- NHTSA Standardized Field Sobriety Testing-SPD, November 16-18, 2005
- Advanced Roadside Impaired Driving Enforcement, October 2005
- SOFT-Forensic Toxicology Review, May 2-3, 2005
- 17<sup>th</sup> Annual Impaired Driver Traffic Safety Conference, December 7-9, 2004
- The Robert F. Borkenstein Course on Alcohol, Drugs and Highway Safety May 9-14, 2004
- Advia 2400, Bayer, March 2003. White Plains, New York
- GC/MS Instrumentation and Data Analysis, Agilent Technologies, September 2000
- GC Instrumentation and Troubleshooting, Restek, January 2000
- HPLC Troubleshooting, Biorad, April 1996

## **Presentations**

- Toxicology in Postmortem cases. Overdose Death Investigations Training Summit. WSIN, Sitka PD, DEA, Alaska HIDTA. April 16-17<sup>th</sup>, 2025. Sitka, AK.
- Introduction to the Toxicology Laboratory. TSRP DUI Bootcamp. March 19, 2025. Lake Stevens, WA.

- DFSA: Toxicology and Investigation. 2024 Reducing Retraumatization in Sexual Assault Prosecution. Washington Association of Prosecuting Attorneys. May 7-8<sup>th</sup>, 2024. Spokane, WA.
- Toxicology Testimony and Common Challenges Encountered. Northwest Association of Forensic Scientists. September 27, 2022. Portland, OR.
- Toxicology Lab Updates. DRE In-Service. Wenatchee, WA. September 13, 2022.
- Drug Facilitated Sexual Assaults. Sexual Assault Investigations: Victim-Centered Engagement and Resiliency Tactics Course. Burien, WA. August 7, 2019.
- Emerging drug trends: Kratom and Fentanyl. Idaho DRE In-Service. July 23<sup>rd</sup>-24<sup>th</sup>, 2019. Boise, Idaho.
- DUI Mock Trial Presentation. Washington Association of Prosecuting Attorneys meeting. Leavenworth, WA. May 31, 2019.
- Toxicology Test Report. WA DRE In-Service. Wenatchee, WA. May 15, 2019.
- Drug Facilitated Sexual Assaults. Sexual Assault Investigations: Victim-Centered Engagement and Resiliency Tactics Course. Spokane, WA. May 9, 2019.
- Toxicology Overview and Overview of the Marijuana Case. DUI Bootcamp. Burien, WA. March 13, 2019.
- WA State Patrol Tox Lab presentation. Citizen Academy. Aberdeen, WA. February 19, 2019.
- Emerging drug trends: Fentanyl and Kratom. Officer Impaired Driving Enforcement Training. Olympia, WA. January 1, 2019.
- Drug Facilitated Sexual Assaults. Sexual Assault Investigations: Victim-Centered Engagement and Resiliency Tactics Course. Criminal Justice Training Center, Burien, WA. November 2018.
- Prosecutor and Toxicologists Guide to Effective Communication in Impaired Driving Cases. National Highway Traffic Safety Administration. Oklahoma City, OK. May 22-23, 2018.
- Mixed Ethanol and THC DUI's. Regional Coordinated Impaired Driving Training. Port Townsend, WA. December 8, 2017.
- The Emergence of Synthetic Cannabinoids. Regional Coordinated Impaired Driving Training. Port Townsend, WA. December 8, 2017.
- Drug-Facilitated Sexual Assault. Washington Association of Prosecuting Attorneys. September 28, 2017. Leavenworth, WA.
- The impact of I-502 on the Toxicology Lab. Youth Marijuana Prevention Forum. Grand Mound, WA. May 24, 2017.
- Role of Toxicology in Criminal Investigations. Property and Evidence Room course. Criminal Justice Training Center Burien, WA. November 16, 2016.
- Drug Effects on Human Performance. DEA Basic Drug Investigation Course. September 13, 2016. Bothell, WA.
- Emergence of Synthetic Cannabinoids. City Hall. Seattle, WA 7/29/2016.

- 5F-ADB: Driving and Death Cases in Washington State. California Association of Toxicologists. May 2, 2016. Incline Village, NV.
- Marijuana in Washington State: Pre and Post I-502 Implementation. California Association on Toxicologists. May 3, 2016. Incline Village, NV
- Role of Toxicology in Criminal Investigations. Property and Evidence Room course. WebEx. Spokane, WA. October 22, 2015.
- Department of Licensing Training. Marijuana and effects on driving. Tacoma, WA. October 22, 2015
- Washington Association of Prosecuting Attorneys: Mixed Ethanol and THC DUI's. Leavenworth, WA. May 29, 2015.
- Washington Association of Municipal Attorneys Spring Conference. Defense experts in Toxicology cases. April 30<sup>th</sup>, 2015. Vancouver, British Columbia.
- Washington Association of Prosecuting Attorneys: Toxicology Blood Screens and Laboratory Updates. Olympia, WA. April 16, 2015.
- Washington State Association of Municipal Attorneys: Anatomy of the Blood DUI Case: Direct Examination and Issues. Suncadia Lodge, October 9, 2014.
- The Toxicology Report. Spokane, WA. February 28, 2014.
- Testing for THC. What it all means. WAPA. Leavenworth, WA. May 30<sup>th</sup>, 2013.
- Impaired Driving Symposium. Bellevue, WA. May 2, 2013.
- Marijuana: What we know & what it means. Washington State Association of Municipal Attorneys. Suncadia Lodge. April 25<sup>th</sup>, 2013.
- British Columbia/Washington State Border Enforcement Forum. March 12, 2012. Seattle, WA.
- Cannabis and Driving Impairment. Presented via webinar for Missouri Traffic Safety Resource Prosecutor. October 19, 2011.
- Lethal Weapon: Vehicular Homicide and Vehicular Assault Conference. October 5, 2011. Spokane, WA.
- NWAFS Annual Meeting. Synthetic Cannabinoids at the Washington State Toxicology Laboratory. Tacoma, WA. September 28, 2011.
- Target Zero Team. Toxicology Considerations. August 16, 2011. Seatac, WA.
- Lethal Weapon: Vehicular Homicide and Vehicular Assault Conference. July 12, 2011. Criminal Justice Training Center. Burien, WA.
- Tacoma Impaired Driving Regional Training Academy. Toxicology. Tacoma, WA. June 7, 2011.
- "Role of Toxicology in Death Investigations", 2011 WACME Conference. Bellingham, WA. June 6, 2011.
- "Role of Toxicology in Criminal Investigations" Property and Evidence Room course, CJTC, Burien, WA May 25, 2011.
- Chelan County Impaired Driving Regional Training Academy. Role of Toxicology in Criminal Investigations. Vancouver, WA. March 24, 2011.

- Clark County Impaired Driving Regional Training Academy. Role of Toxicology in Criminal Investigations. Vancouver, WA. March 9, 2011.
- WA State Toxicology Lab. 2011 Gig Harbor Criminal Justice Summit. Gig Harbor, WA. March 2, 2011.
- “Role of Toxicology in Criminal Investigations”. DRE School Pasco, WA Nov. 12, 2010.
- Washington State DRE In-Service Training. Ground Mound, WA, March 2-3, 2010.
- “No Drugs Detected and Other Tox Results that Impact DRE Accuracy Rates”, DRE In-Service Training. Anchorage, AK, Nov.6, 2009.
- Role of Toxicology in Criminal Investigations. Property room course. Lacey, WA. May 2009.
- Cannabis and Driving Impairment presented at IACT Conference. May 3-7<sup>th</sup>, 2009. Anchorage, Alaska.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Omak, WA. April 2009.
- Role of Toxicology in Criminal Investigations. Property Room course. Edmonds, WA. September 2008.
- Role of Toxicology in Criminal Investigations. Property Room course. Yakima, WA. June 2008.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Kirkland, WA. March 2008.
- Inhalants and Impaired Driving: A Challenge for Toxicologists, Law Enforcement and the Courts. 20<sup>th</sup> Annual Impaired Driver Conference, Washington Traffic Safety Commission, SeaTac, WA December, 2007.
- Role of Toxicology in Criminal Investigations. Property Room course. Seattle, WA. November 2007.
- A Short Series of Toluene Impaired Drivers. Poster presentation at International Council on Alcohol Drugs and Traffic Safety. Seattle, WA August 26-31, 2007.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Wenatchee, WA. June 2007.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Kitsap County, WA. April 2007.
- Role of Toxicology in Criminal Investigations. Property Room course. Spokane, WA. March 2007.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Shelton, WA. February 2007.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Asotin County, WA. December 2006.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Seattle, WA. November 2006.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Grant County, WA. May 2006.



- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Battleground, WA. April 2006.
- Role of Toxicology in Criminal Investigations. Property Room course. Yakima, WA. March 2006.
- Role of Toxicology in Criminal Investigations. Crime Scene Investigation course. Kitsap County, WA. January 2006.

## **Publications**

Capron, Brian. 5F-ADB drivers in the State of Washington. *ToxTalk, Society of Forensic Toxicologists, Inc.* Vol. 40, Issue 2, June 2016.

Capron, B., Logan, B. Toluene-Impaired Drivers: Behavioral Observations, Impairment Assessment, and Toxicological Findings. *J Forensic Sci*, March 2009, Vol. 54, No. 2

## **Professional Organizations**

International Association for Chemical Testing 2010  
 California Association of Toxicologists 2016 to present  
 Technical Assessor ANAB (formerly ASCLD/LAB) 2016 to present  
 DRE Advisory Board- State of Washington 2022 to present

## **Projects**

2015 National Highway Traffic Safety Administration Cross Examination Project. July 22-23, 2015. Portland, Oregon.

## **Testimony**

Testified as an expert witness in over 600 criminal trials