

CURRICULUM VITAE

Brian J. Capron

Forensic Toxicologist

Washington State Toxicology Laboratory
2203 Airport Way South, Suite 360
Seattle, WA 98134-2027
Phone (206)262-6100 Fax (206)262-6145
E-mail: Brian.Capron@wsp.wa.gov

Employment

- **Acting Lab Manager**- Washington State Toxicology Laboratory, Seattle, WA. August 2012 to September 2013
- **Forensic Toxicology Supervisor**- Washington State Toxicology Laboratory, Seattle, WA February 2006 to Present
- **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 5970, 5973 and 5975, HPLC (Remedi, Biorad and Agilent), TLC, Advia 2400 (Bayer), Hitachi 717 and Hitachi 747, Headspace GC, Olympus AU 400, LC/MS and LC/MS/MS, Cobas Mira

Training Received

- 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 21st, 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 Toxicologist Spring Meeting. Incline Village, NV. May 2nd-3rd, 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 3rd-6th, 2015.
- RTI International. Fundamentals of Immunoassay Testing Used in Toxicology. May 21st, 2012.
- Dissociative Anesthetics: The out-of-body experience. Webinar. May 17th, 2012.
- Law 101: Legal Guide for the Forensic Expert. NIJ, online training. May 9th, 2012.
- All Things Cannabis. California Association of Toxicologists. San Jose, CA. May 4-5th, 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 9th, 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 Examiners Office, Seattle, WA.
- International Association of Chemical Testing. May 3-7th, 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 24-26th, 2008. Bismarck, North Dakota.
- RTI International. Opioids and Pain Management. June 19th, 2008.
- Alcohol Impairment Lab. May 30 and June 5, 2008. Seattle, WA.
- RTI International. Fundamentals of LC/MS/MS. May 20th, 2008.
- RTI International. "Zzzz drugs: Zaleplon, Zopiclone, Zolpidem. May 15th, 2008.

- 36th 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
- 17th 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

- 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 30th, 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 30th, 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 25th, 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 3-7th, 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. 20th 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

Projects

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