

CURRICULUM VITAE

Justin Knoy, M.S., D-ABFT-FT

Forensic Toxicologist

Washington State Toxicology laboratory
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EDUCATION:

- **Master of Science** – Forensic Chemistry, Marshall University, Huntington, WV. May 2005
- **Bachelor of Science** – Genetic Biology (Minors in Chemistry and Psychology), Purdue University, West Lafayette, IN. May 2003

EMPLOYMENT:

- **Forensic Scientist III** – Washington State Toxicology Laboratory, Seattle, WA. March 2008 to Present
 - Perform qualitative/quantitative chemical analyses on biological samples for ethanol and drugs.
 - Interpret analytical results for law enforcement agencies, attorneys, and medical examiners.
 - Provide testimony to the analytical results and the physical/psychomotor effects of ethanol and drugs on an individual.
 - Prepare and certify simulator solutions for use by the BAC Datamaster instrument.
 - Carry out routine maintenance on laboratory instruments (GCFID, GCMS/NPD, LCMS, LCMSMS)
- **Forensic Scientist II** – Washington State Toxicology Laboratory, Seattle, WA. August 2006 – March 2008.
- **Forensic Scientist I** – Washington State Toxicology Laboratory, Seattle, WA. October 2005 – August 2006.
- **Graduate Teaching Assistant** – Biology Department, Marshall University, Huntington WV. August 2004 – May 2005
- **Forensic Intern** – Alabama Department of Forensic Sciences, Chemistry section. Florence, AL. May 2004 – August 2004.
- **Laboratory Assistant** – United States Department of Agriculture, West Lafayette, IN. April 2002 – August 2002 & January 2003 – August 2003

CERTIFICATIONS:

- **Diplomate in Forensic Toxicology. D-ABFT-FT.** Issued by the American Board of Forensic Toxicology. Effective October 31, 2016.
- **Blood Alcohol Analyst Permit** – Issued by the Washington State Toxicologist – Effective October 2005.

PROFESSIONAL AFFILIATIONS:

- **International Association for Chemical Testing (IACT):** 5/2010-12/2013.

PUBLICATIONS (peer reviewed):

- **Suspected Impaired Driving Case Involving a-Pyrrolidinovalerophenone, Methylone and Ethylone.** Knoy J, Peterson B, Couper F. Journal of Analytical Toxicology 2014; 38 : 615–617

COURSES AND TRAINING:

- Forensic Pharmacology: A Comprehensive Review. Dr. Lionel Raymon. The Center for Forensic Science Research and Education. December 12th – 14th, 2016.
- Society of Forensic Toxicology (SOFT) Annual Meeting 2016. Dallas, TX. October 16th – 21st.
 - Alcohol Concentration Extrapolation. Workshop. October 17th, 2016.
 - Vaping: What You Didn't Know About Electronic Cigarettes and Why You Should Care. Workshop. October 17th, 2016.
- “Flakka”: The truth behind the latest designer drug media storm. Donna Papsun, NMS Laboratories. InterCall Streaming Event. June 1st, 2015.
- Breaking Bad Chromatography Habits. Agilent Technologies. Bellevue WA. March 24th, 2015.
- AB SCIEX Triple Quad™ Systems Training for Quantitation. Framingham MA. November 18th – 20th, 2014.
- American Academy of Forensic Sciences 66th Annual Scientific Meeting. Seattle, WA. February 17th – 22nd, 2014.
- 18th Annual IACP Training Conference on Drugs, Alcohol, and Impaired Driving. Seattle, WA. August 16th – 18th, 2012.
- California Association of Toxicologists. Forensic Alcohol symposium. Glendale CA. November 4th – 5th, 2012.
- New and Emerging Drugs of Abuse; Dr. Leo Kadehjian, Siemens webinar. January 11th, 2011.
- Horizontal Gaze Nystagmus; Dr. Karl Citek. January 5th, 2011.
- K2 and the Synthetic Cannabinoids: Pharmacology, Effects, and Chemical Analysis; Dr. Barry Logan, NMS Laboratory.
- Supelco Innovations in Chromatography and Sample Prep; Sigma-Aldrich. July 20th, 2010.
- Introduction to Uncertainty in Forensic Chemistry and Toxicology I, II, III; online courses provided by National Institute of Justice. March 3rd, 17th, and 31st. 2009.
- Advanced Roadside Impaired Driving Enforcement (A.R.I.D.E.); Seattle Police Department DUI/DRE Squad. November 24th – 25th, 2008.
- Robert F. Borkenstein Course “DUID: The Effects of Drugs on Human Performance and Behavior”; Center for Studies of Law in Action. April 13th – 18th, 2008.

- International Council on Alcohol, Drugs, and Traffic Safety (ICADTS) & the International Association of Forensic Toxicologists (TIAFT). Seattle, WA. August 26th – 30th, 2007.
- LCMS Seminar; Restek Corporation. January 26th, 2007.
- National Highway Traffic Safety Association: DWI Detection and Standardized Field Sobriety Testing Course: Seattle Police Department DUI/DRE Squad. September 20th – 22nd, 2006.
- Robert F. Borkestein Course on Alcohol, Drugs, and Highway Safety: Testing, Research, and Litigation; Center for Studies of Law in Action. May 21st – 26th, 2006.
- National Highway Traffic Safety Association: Drugs that Impair Driving Course: Seattle Police Department DUI/DRE Squad. March 16th, 2006.
- Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques; American Academy of Forensic Sciences. March 21st 2006.
- GC/MS Training Seminar; Restek Corporation. February 16th, 2006.