

## 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:**

- **Society of Forensic Toxicologists, Inc. (SOFT):** 3/2017 - present
- **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

#### **TRAINING GIVEN:**

- **2017 Drug Trends.** 2018 Traffic Safety Conference. Washington Traffic Safety Commission (WTSC). Kennewick, WA. April 25<sup>th</sup>, 2018.

#### **TRAINING RECEIVED:**

- **Pharmacogenomics – Uses in Forensic and Clinical Toxicology;** Workshop #14. American Academy of Forensic Sciences (AAFS) 70<sup>th</sup> Annual Scientific Meeting. Seattle, WA. February 19<sup>th</sup>, 2018.
- **NPS Update Fall 2017: Novel Designer Opioids Continue to Dominate the Market.** NMS Laboratories. Webinar. November 30<sup>th</sup>, 2017.
- **Identify Synthetic Opiates using Ambient Ionization TOF-MS.** National Institute of Justice. Webinar. July 19<sup>th</sup>, 2017.
- **Synthetic Cannabinoids: A look back at 2016 and what’s ahead in 2017.** NMS Laboratories. Webinar. March 29<sup>th</sup>, 2017.
- **Exploiting the Power of LC/TOF Data-mining.** Dr. Barry Logan, NMS Laboratories. Webinar. March 1<sup>st</sup>, 2017.
- **Forensic Pharmacology: A Comprehensive Review.** Dr. Lionel Raymon. The Center for Forensic Science Research and Education. December 12<sup>th</sup> – 14<sup>th</sup>, 2016.
- **Society of Forensic Toxicology (SOFT) Annual Meeting 2016.** Dallas, TX. October 16<sup>th</sup> – 21<sup>st</sup>.
  - **Alcohol Concentration Extrapolation.** Workshop. October 17<sup>th</sup>, 2016.
  - **Vaping: What You Didn’t Know About Electronic Cigarettes and Why You Should Care.** Workshop. October 17<sup>th</sup>, 2016.
- **“Flakka”: The truth behind the latest designer drug media storm.** Donna Papsun, NMS Laboratories. InterCall Streaming Event. June 1<sup>st</sup>, 2015.
- **Breaking Bad Chromatography Habits.** Agilent Technologies. Bellevue WA. March 24<sup>th</sup>, 2015.
- **AB SCIEX Triple Quad™ Systems Training for Quantitation.** Framingham MA. November 18<sup>th</sup> – 20<sup>th</sup>, 2014.
- **American Academy of Forensic Sciences 66th Annual Scientific Meeting.** Seattle, WA. February 17<sup>th</sup> – 22<sup>nd</sup>, 2014.
- **18<sup>th</sup> Annual IACP Training Conference on Drugs, Alcohol, and Impaired Driving.** Seattle, WA. August 16<sup>th</sup> – 18<sup>th</sup>, 2012.
- **California Association of Toxicologists. Forensic Alcohol symposium.** Glendale CA. November 4<sup>th</sup> – 5<sup>th</sup>, 2012.

- **New and Emerging Drugs of Abuse**; Dr. Leo Kadehjian, Siemens webinar. January 11<sup>th</sup>, 2011.
- **Horizontal Gaze Nystagmus**; Dr. Karl Citek. January 5<sup>th</sup>, 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 20<sup>th</sup>, 2010.
- **Introduction to Uncertainty in Forensic Chemistry and Toxicology I, II, III**; online courses provided by National Institute of Justice. March 3<sup>rd</sup>, 17<sup>th</sup>, and 31<sup>st</sup>. 2009.
- **Advanced Roadside Impaired Driving Enforcement (A.R.I.D.E.)**; Seattle Police Department DUI/DRE Squad. November 24<sup>th</sup> – 25<sup>th</sup>, 2008.
- **Robert F. Borkenstein Course “DUID: The Effects of Drugs on Human Performance and Behavior”**; Center for Studies of Law in Action. April 13<sup>th</sup> – 18<sup>th</sup>, 2008.
- **International Council on Alcohol, Drugs, and Traffic Safety (ICADTS) & the International Association of Forensic Toxicologists (TIAFT)**. Seattle, WA. August 26<sup>th</sup> – 30<sup>th</sup>, 2007.
- **LCMS Seminar**; Restek Corporation. January 26<sup>th</sup>, 2007.
- **National Highway Traffic Safety Association: DWI Detection and Standardized Field Sobriety Testing Course**; Seattle Police Department DUI/DRE Squad. September 20<sup>th</sup> – 22<sup>nd</sup>, 2006.
- **Robert F. Borkenstein Course on Alcohol, Drugs, and Highway Safety: Testing, Research, and Litigation**; Center for Studies of Law in Action. May 21<sup>st</sup> – 26<sup>th</sup>, 2006.
- **National Highway Traffic Safety Association: Drugs that Impair Driving Course**; Seattle Police Department DUI/DRE Squad. March 16<sup>th</sup>, 2006.
- **Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques**; American Academy of Forensic Sciences. March 21<sup>st</sup> 2006.
- **GC/MS Training Seminar; Restek Corporation**. February 16<sup>th</sup>, 2006.