

## CURRICULUM VITAE

### **Brianne E. O'Reilly, MS, D-ABFT-FT**

(Formerly Brianne E. Akins)

Forensic Toxicologist

Washington State Toxicology Laboratory

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#### **EDUCATION**

- Masters of Science – Veterinary Medical Sciences with Concentration in Forensic Toxicology, 2008, University of Florida, Gainesville, FL
- Certificate in Forensic Toxicology, 2008 – University of Florida, Gainesville, FL.
- Bachelor of Science – Biology, Minor in Chemistry, 2003, Central Michigan University, Mt. Pleasant, MI

#### **EMPLOYMENT**

##### **Forensic Scientist 4**

September 2005 - Present

*Washington State Toxicology Laboratory, Seattle, WA*

- Assist the QA Manager in creating and implementing a strategic quality assurance plan
- Prepare quality control and competency samples
- Assist with method development and validation
- Assist with the annual review of all technical, operational, and training manuals and related documents
- Perform alcohol and drug testing on biological samples
- Provide courtroom testimony
- Promoted from Forensic Scientist 1 on June 1, 2006
- Promoted from Forensic Scientist 2 on March 16, 2008
- Promoted from Forensic Scientist 3 on February 16, 2013

##### **Medical Technologist**

September 2003 – August 2005

*Sturgis Memorial Hospital, Sturgis, MI*

- Analyze specimens in the areas of hematology, blood banking, chemistry, special chemistry, urinalysis, and serology
- Use of a variety of scientific instrumentation
- Perform daily and weekly maintenance on a number of instruments
- Analyze daily quality control specimens

- Perform venous and arterial blood draws on adults and venous and capillary blood draws on children and infants

### **Drug Analysis Intern**

May 2003 – August 2003

*Michigan State Police Forensic Laboratory, Grand Rapids, MI*

- Assist analysts in the evaluation of controlled substances
- Use of a variety of scientific instrumentation
- Microscopic crystal identification
- Type official laboratory reports
- Assist in the DNA Unit of the crime lab in the making of solutions

### **CERTIFICATIONS**

- Diplomate of the ABFT in Forensic Toxicology – American Board of Forensic Toxicology. February 2010 to Present. Original certification was as a Forensic Toxicology Specialist. Title changed on August 1, 2014.
- Certified Blood Alcohol Analyst – Washington State Toxicology Laboratory September 2005 to Present
- Certified Health Care Assistant Category A – Washington State Department of Health. May 2008 to May 2010.

### **PROFESSIONAL AFFILIATIONS**

- Society of Forensic Toxicologists (April 2008 – present)
- American Chemical Society (April 2008 – April 2013)

### **TRAINING RECEIVED**

- **Assessor Training Course for Testing Laboratories**, ASCLD/LAB *International*, Aurora, CO. September 19-23, 2016.
- **The Corrective Action Process: Root Cause Analysis Basics**, ASCLD/LAB *International*, Web-based training. March 14-17, 2016.
- **Measurement Confidence Level 100**, ASCLD/LAB *International*, Web-based training. December 1-3, 2015.
- **Leadership in Police Organizations**, International Association of Chiefs of Police, Washington State Patrol. September 28-October 3, 2015 and November 2-6, 2015.
- **6200 Series LC/MS TOF Techniques and Operation**, Agilent Technologies, Cedar Creek, TX. November 4-7, 2014.
- **Approaches for Optimizing Hydrolysis of Cannabinoids, Cannabidiol (CBD) and Synthetic Cannabinoids**, RTI International and Kura Biotec, Web-based training, April 29, 2014.

- **Novel Psychoactive Substances (NPS): Pharmacology, Toxicology, Psychiatry, and Case Reports**, American Academy of Forensic Sciences 66<sup>th</sup> Annual Meeting, Seattle, WA. February 18, 2014.
- **Transition to Leadership**, West Virginia University Extended Learning Program. Completed December 2013.
- **Perspectives in Expert Testimony**, West Virginia University Extended Learning Program. Completed December 2013.
- **ASCLD/LAB-*International* Internal Auditor Training Course**, Eugene, OR. June 11-14, 2013.
- **Forensic Mass Spectrometry**, West Virginia University Extended Learning Program. Completed January 2013.
- **18<sup>th</sup> Annual IACP Training Conference on Drugs, Alcohol, and Impaired Driving**, Seattle, WA. August 16-18, 2012.
- **Fundamentals of Forensic Toxicology**, West Virginia University Extended Learning Program. Completed November 2011.
- **Driving Under the Influence of Drugs Toxicology Symposium**, Midwest Forensics Resource Center, Ames, IA. January 19-21, 2011.
- **Horizontal Gaze Nystagmus**, Dr. Karl Citek, Washington State Patrol, Forensic Laboratory Services Bureau, Seattle, WA. January 5, 2011.
- **The Effects of Drugs on Human Performance and Behavior**, Indiana University, Department of Criminal Justice, Center for Studies of Law in Action. April 11-16, 2010.
- **Assessment and Interpretation of Toxicology in Neonatal, Pediatric, and Geriatric Deaths Workshop**, American Academy of Forensic Sciences 62<sup>nd</sup> Annual Meeting, Seattle, WA. February 23, 2010.
- **Standardized Field Sobriety Test Training**, National Highway Traffic Safety Administration/Seattle Police Department, Seattle, WA. March 11-13, 2009.
- **Advanced Roadside Impaired Driving Enforcement**, National Highway Traffic Safety Administration/Seattle Police Department, Seattle, WA. November 24-25, 2008
- **Annual Washington State DRE In-Service**, Washington State DEC Program, Lake Chelan, WA. October 8-9, 2008.
- **Z Drugs, From Analysis to Interpretation**, RTI International and National Institute of Justice, Online Course, June 16, 2008
- **Advanced Horizontal Gaze Nystagmus Training (Dr. Karl Citek)**, Washington DEC Program, Bainbridge Island, WA. April 23, 2008
- **Olympus Au400e Training**, Olympus America, Inc. Diagnostic Systems Group, Seattle, WA. March 4-5, 2008.
- **General Meeting**, International Council on Alcohol Drugs and Traffic Safety and The International Association of Forensic Toxicologists, Seattle, WA. August 26-30, 2007
- **Field Impairment Testing Symposium**, International Council on Alcohol Drugs and Traffic Safety and The International Association of Forensic Toxicologists, Seattle, WA. August 26, 2007
- **LC/MS Training Seminar**, Restek, Seattle, WA. January 26, 2007

- **Semi-Annual Meeting**, California Association of Toxicologists, Palm Springs, CA. November 6-7, 2006
- **Derivatization Workshop: Comprehensive Review of Silylation, Acylation, Alkylation, and Chiral Derivatization**, California Association of Toxicologists, Palm Springs, CA. November 6, 2006
- **Abuse and Misuse of Prescription Opiates**, Drug Enforcement Agency and Department of Justice, Seattle, WA. September 20, 2006.
- **Identification Criteria for Drugs with Mass Spectrometry: Current Recommendations and Prospects for Emerging MS Techniques**, American Academy of Forensic Sciences Annual Meeting, Seattle, WA. February 21, 2006
- **Courtroom Testimony Techniques – Success Instead of Survival**, Ron Smith and Associates, Inc., Seattle, WA. January 30-31, 2006
- **The Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research, and Litigation**, Indiana University, Department of Criminal Justice, Center for Studies of Law in Action. December 4-9, 2005
- **Advanced Roadside Impaired Driving Enforcement**, National Highway Traffic Safety Administration, Spokane, WA. October 13-14, 2005
- **Practical Applications of Quality Control-Beginner**, Bio-Rad Laboratories, Inc., South Bend, IN. November 3, 2004

#### PEER-REVIEWED PUBLICATIONS

- **Akins, Brianne E**; Estuardo Miranda, J. Matthew Lacy, Barry K. Logan. “A Multi-Drug Intoxication Fatality Involving Xyrem® (GHB).” *Journal of Forensic Sciences* 2009, March 54(2).

#### PRESENTATIONS

- **Case Report of a Multi-Drug Intoxication Fatality Involving GHB**. Poster presentation. Contributing Authors: EJ Miranda, AM Gordon, BK Logan. Presented at the General Meeting of the International Council on Alcohol Drugs and Traffic Safety and The International Association of Forensic Toxicologists, Seattle, WA August 29, 2007