

CURRICULUM VITAE

JAYNE E. THATCHER

Forensic Toxicologist

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EDUCATION

- **Bachelor of Science** - Cell and Molecular Biology (Minors in Chemistry and Microbiology)
University of Washington, Seattle, WA June 2001
- **Graduate Non-Matriculated Student**- Department of Pharmaceutics
University of Washington, Seattle, WA September 2003-March 2005
- **Graduate Student** - Department of Pharmaceutics
University of Washington, Seattle, WA September 2005 – present

EMPLOYMENT

- **Forensic Toxicologist Technical Supervisor** (part time) -Washington State Toxicology Laboratory, Seattle, WA October 2008 – present
- **Forensic Toxicology Acting Quality Assurance Manager** (part time) - Washington State Toxicology Laboratory, Seattle, WA September 2007 – September 2008
- **Research Assistant** (part time) - Department of Pharmaceutics, University of Washington, Seattle, WA September 2005 – present
- **Forensic Toxicologist Technical Supervisor** (part time) -Washington State Toxicology Laboratory, Seattle, WA September 2005 – September 2007
- **Forensic Toxicology Quality Assurance Manager**- Washington State Toxicology Laboratory, Seattle, WA March 2005 – September 2005
- **Forensic Toxicologist** -Washington State Toxicology Laboratory, Seattle, WA April 2002 – February 2005
- **Lab Assistant** - Washington State Toxicology Laboratory, Seattle, WA June 2000 – April 2002

CERTIFICATIONS

- **Blood Alcohol Analyst Permit** – Issued by the Washington State Toxicologist
April 2002 to present
- **Radioactive Materials License**- Issued by the University of Washington
October 2005

PROFESSIONAL MEMBERSHIPS

- **2003 – present** **Society of Forensic Toxicologists (SOFT)**
- **2004 – 2005** **American Academy of Forensic Science (AAFS)**
- **2005- present** **American Association of Pharmaceutical Scientists (AAPS)**
- **2007- 2008** **American Association for the Advancement of Science (AAAS)**

APPOINTMENTS

- **2005 - present** **SOFT Continuing Education Committee Member**
- **2006 – present** **Committee on Alcohol, Other Drugs, and Transportation:
Transportation Research Board of the National Academies**
- **2007 – present** **Pharmacological Sciences Training Grant**

COURSES AND TRAINING

- **“Review of Forensic Toxicology”**
American Academy of Forensic Sciences, February 2001, Seattle, WA
- **“Drug Facilitated Sexual Assault”**
American Academy of Forensic Sciences, February 2001, Seattle, WA
- **Washington State Patrol Drinking Lab**
October 2001, Seattle, WA
- **“GC/MS Software Overview”**
Agilent Technologies, May 2002, Seattle, WA
- **“Techniques and Tricks of Troubleshooting your Capillary GC System”**
Agilent Technologies, May 2002, Seattle, WA
- **“Installation, Care and Maintenance of Capillary Gas Chromatography Columns”**
Agilent Technologies, May 2002, Seattle, WA

COURSES AND TRAINING (continued)

- **“Comprehensive HPLC Training Seminar”**
Restek Corporation, August 2002, Seattle, WA
- **Observation of Drug Recognition Expert Practical Training**
October 2002, Seattle, WA
- **“The Robert F. Borckenstein Course on Alcohol and Highway Safety: Testing, Research and Litigation”**
Center for Studies of Law in Action at Indiana University, December 2002, Bloomington, IN
- **Washington State Patrol Drinking Lab**
January 2003, Seattle, WA
- **“So You’re Going to Be an Expert Witness”**
American Academy of Forensic Sciences Annual Meeting, February 2003, Chicago, IL
- **“The Ethical Scientist: A Scientific and Legal Perspective”**
American Academy of Forensic Sciences Annual Meeting, February 2003, Chicago, IL
- **“The A-Z of Marijuana: Drugs and Driving Workshop”**
Canadian Society of Forensic Science, March 2003, Vancouver B.C., Canada
- **Washington State Patrol Drinking Lab**
May 2003, Seattle, WA
- **Standardized Field Sobriety Testing Refresher Training**
Washington State Patrol, May 2003, Bellevue, WA
- **“Principles of Sample Preparation”**
Society of Forensic Toxicologists Annual Meeting, October 2003. Portland, OR
- **“Forensic Toxicology of Methadone”**
Society of Forensic Toxicologists Annual Meeting, October 2003. Portland, OR
- **“Feeling Blue? Antidepressant Workshop”**
Society of Forensic Toxicologists Annual Meeting, October 2003. Portland, OR
- **Observation of Drug Recognition Expert Practical Training**
November 2003, Seattle, WA
- **Eastside DUI Taskforce Ride-Along**
December 2003, Kirkland, WA

COURSES AND TRAINING (continued)

- **Washington State Patrol Drinking Lab**
May 2004, Seattle, WA
- **Washington State Patrol Drinking Lab**
June 2004, Leavenworth, WA
- **“Statistics and Method Validation”**
FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists, August-September 2004. Washington, District of Columbia
- **“Poisons and Poisoners- What a Toxicologist Needs to Know”**
FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists, August-September 2004. Washington, District of Columbia
- **“Overview of the Forensic Sciences”**
FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists, August-September 2004. Washington, District of Columbia
- **“Drug-Facilitated Sexual Assault”**
FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists, August-September 2004. Washington, District of Columbia
- **“Overview of Forensic Toxicology”**
Society of Forensic Toxicologists Continuing Education Workshop, May 2005. Spokane, WA.
- **“Search Warrants for Blood”**
Drug Recognition Expert In-Service Meeting, September 2005. Ocean Shores, WA
- **“IACP Updates and Pupil Sizes”**
Drug Recognition Expert In-Service Meeting, September 2005. Ocean Shores, WA
- **“Building a Meth Lab”**
Drug Recognition Expert In-Service Meeting, September 2005. Ocean Shores, WA
- **“9th International Conference on Drug-Drug Interactions: Current Clinical and Regulatory Status; Transporter Based DDI and In Vitro-In Vivo Correlation”**
Institute for Scientific Exchange, Inc., June 2006. Seattle, WA

COURSES AND TRAINING (continued)

- **“New Antidepressants and Antiepileptics: Clinical Pharmacology, Pharmacogenomics, Gene Expression, and Neurobiology of Depression, Suicide, and Forensic Toxicology”**
Society of Forensic Toxicologists Annual Meeting, October 2006. Austin, TX
- **“Postmortem Pharmacokinetics—The Good, the Bad and the Ugly”**
Society of Forensic Toxicologists Annual Meeting, October 2006. Austin, TX
- **“Continuing Education Committee Workshop: Opiate Fields Forever”**
Society of Forensic Toxicologists Annual Meeting, October 2006. Austin, TX
- **“How does your QA/QC Program Measure Up? SOFT Continuing Education Committee Workshop on Quality Assurance and Quality Control”**
Society of Forensic Toxicologists Annual Meeting, October 2006. Austin, TX
- **“10th International Conference on Drug-Drug Interactions: Current Clinical and Regulatory Status; Transporter Based DDI and In Vitro-In Vivo Correlation”**
Institute for Scientific Exchange, Inc., June 2007. Bellevue, WA
- **“Blood Drug Levels and Impaired Driving”**
Joint Meeting of The International Association of Forensic Toxicologists and International Council on Alcohol, Drugs and Traffic Safety, August 2007. Seattle, WA
- **“Benzodiazepines... The Basics and Beyond- SOFT Continuing Education Committee Workshop”**
Society of Forensic Toxicologists Annual Meeting, October 2007. Raleigh, NC
- **“Toxicology Jeopardy – A Practical Approach to DUID Testing OR “What Are the Solutions to Your Problems!”**
Society of Forensic Toxicologists Annual Meeting, October 2007. Raleigh, NC
- **“11th International Conference on Drug-Drug Interactions: Current Clinical and Regulatory Status; Transporter Based DDI and In Vitro-In Vivo Correlation”**
Institute for Scientific Exchange, Inc., June 2008. Seattle, WA
- **“Summer Research Conference Series: Retinoids”**
Federation of American Societies for Experimental Biology, June 2008. New Haven, CT.
- **“The Stimulating Realm of Sympathomimetic Amines and Tryptamines”**
Society of Forensic Toxicologists Annual Meeting, October 2008. Phoenix, AZ
- **“Preparing for ISO 17025 Accreditation- what you need to know”**
Society of Forensic Toxicologists Annual Meeting, October 2008. Phoenix, AZ

PRESENTATIONS

- **“The Toxicological Significance of Tramadol in Death Investigation and Impaired Driving Cases”**
American Academy of Forensic Sciences Annual Meeting, February 2003. Chicago, IL
- **“A Career in Forensic Sciences”**
Skyview Junior High Career Day, March 2003 & 2004. Bothell, WA
- **“Lorazepam and Driving Impairment”**
Society of Forensic Toxicologists Annual Meeting, October 2003. Portland, OR
- **“What is a Forensic Toxicologist?”**
Foster High School, June 2004 & 2005 Seattle, WA
- **“Lorazepam and Death Investigation”**
FBI Laboratory Symposium on Forensic Toxicology and Joint Meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists August-September 2004. Washington, District of Columbia
- **“Preparation of Evidence for Forensic Analysis”**
Criminal Justice Training Center, November 2004, June 2005, October 2005. Seattle, WA
- **“Crime Scene Evidence for the Washington State Toxicology Laboratory”**
Lower Elwha Tribal Training Center, March 2005. Port Angeles, WA
- **“Roadside Testing Assessment (ROSITA) 2 Project - Sample Collection Training”**
Officer Training, July 2005. Yakima, WA and Seattle, WA
- **“Common DUI Drugs in Washington State”**
Drug Recognition Expert In-Service Meeting, September 2005. Ocean Shores, WA
- **“ROSITA 2 Project - Washington State Status Report”**
ROSITA2 Meeting, December 2005. Baltimore, MD
- **“How does your QA/QC Program Measure Up? SOFT Continuing Education Committee Workshop on Quality Assurance and Quality Control” (*Presenter and Workshop Co-Chair*)**
Society of Forensic Toxicologists Annual Meeting, October 2006. Austin, TX

PRESENTATIONS (continued)

- **“An Examination of 1,1-Difluoroethane in Traffic Cases”**
Joint Meeting of The International Association of Forensic Toxicologists and International Council on Alcohol, Drugs and Traffic Safety, August 2007. Seattle, WA
Also presented at Society of Forensic Toxicologists Annual Meeting, October 2007. Raleigh, NC
- **“ROSITA 2 Project: Evaluation of Saliva Screen 5, Drug Wipe 5, and Intercept Devices by Washington State Law Enforcement Officers”**
Joint Meeting of The International Association of Forensic Toxicologists and International Council on Alcohol, Drugs and Traffic Safety, August 2007. Seattle, WA
- **“Benzodiazepines... The Basics and Beyond- SOFT Continuing Education Committee Workshop” (Presenter and Workshop Co-Chair)**
Society of Forensic Toxicologists Annual Meeting, October 2007. Raleigh, NC
- **“Inhalants and Impaired Driving: A Challenge for Toxicologists, Law Enforcement and the Courts”**
Logan BK*, Thatcher JE, Capron B. 20th Annual Impaired Driver Conference, Washington Traffic Safety Commission, December, 2007. SeaTac, WA
- **“In vitro expression and metabolic studies using recombinant CYP26B1”**
11th International Conference on Drug-Drug Interactions. Institute for Scientific Exchange, Inc., June 2008. Seattle, WA.
- **“Characterization of recombinant human CYP26B1 and the kinetics of retinoic acid oxidation”**. June 2008. New Haven, CT.

PUBLICATIONS

- **Expression and Functional Characterization of Cytochrome P450 26A1, a Retinoic Acid Hydroxylase.** Lutz JD, Dixit V, Yeung CK, Dickmann LJ, Zelter A, Thatcher JE, Nelson WL and Isoherranen N. (2008) Biochemical Pharmacology (in press).
- **Tramadol (Ultram) concentrations in death investigation and impaired driving cases and their significance.**
Clarkson JE, Lacy JM, Fligner CL, Thiersch N, Howard J, Harruff RC, Logan BK. J.Forensic Sci. 49:1101-1105 (2004)
- **Lorazepam and Driving Impairment.**
Clarkson JE, Gordon AM, Logan BK. J. Anal. Toxicol. 28:475-480 (2004)
- **Suspected GHB Overdoses in the Emergency Department.**
Couper, FJ, Thatcher JE, Logan BK. J. Anal. Toxicol. 28:481-484 (2004)