

## Curriculum Vitae - March 2013

### **BARRY K. LOGAN**

**Position:** National Director, Forensic and Toxicological Services, NMS Labs

**Address:** NMS Labs inc.  
3701 Welsh Road  
Willow Grove, Pennsylvania 19090

**Position:** Executive Director, Center for Forensic Science Research and Education

**Address:** 2300 Stratford Avenue  
Willow Grove, Pennsylvania 19090

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#### **Education**

**1982-1986** Doctor of Philosophy, (Ph.D.), Forensic Toxicology Department of Forensic Medicine and Science, University of Glasgow, Scotland

**1978-1982** Degree awarded: B. Sc. (Hons) Chemistry, June 1982  
Faculty of Science, University of Glasgow, Scotland

#### **Board Certification**

Diplomate of the American Board of Forensic Toxicology (DABFT)  
March 1991 – Present

#### **Employment History**

*2008 - Present* **Director, Forensic and Toxicological Services**  
National Medical Services, Inc. (NMS Labs)  
3701 Welsh Road  
Willow Grove, PA 19090

**Responsibilities:** Director of NMS Labs Criminalistics Department (ASCLD\_LAB International ISO 17025 accredited laboratory) performing drug identification, and forensic biology. Supervision and oversight of toxicologists performing case reviews; Forensic toxicology interpretation and consulting; Consultation and expert testimony in DUI alcohol and drug cases, Analytical consultation to laboratory operations; Toxicologist/Forensic scientist development and training

*2010-Present*

**Executive Director, Center for Forensic Science Research and Education**

Fredric Rieders Family Renaissance Foundation (FRFRF)  
2300 Stratford Ave  
Willow Grove, PA 19090

**Responsibilities:** Management of the FRFRF a 501(c)(3) organization dedicated to forensic science research and education; Oversight of teaching for Arcadia University's Masters of Science in Forensic Science degree program; Oversight of the Forensics Mentors Institute Summer program; Development of professional continuing educational programs for forensic scientists.

*1990- 2008*

**Washington State Toxicologist**

Washington State Toxicology Laboratory  
2203 Airport Way S.  
Seattle, WA 98134-2027

**Responsibilities:** Director of the State Toxicology Laboratory for the State of Washington. The Laboratory receives 6,000 death investigation cases and 5,000 DUI cases each year. Duties include laboratory oversight, budgeting, expert testimony, quality assurance oversight, training, and casework consultation to 39 coroner and medical examiner offices. Research interests include interpretive toxicology, clinical forensic toxicology, postmortem redistribution, and drug and alcohol driver impairment.

*1999- 2008*

**Director, Forensic Laboratory Services Bureau, WSP**

Washington State Patrol  
2203 Airport Way S.  
Seattle, WA 98134-2027

**Responsibilities:** Directed the Forensic Laboratory Services Bureau of the Washington State Patrol, and its 250 employees. This includes Crime Laboratory Division (4 full service, and 2 satellite crime laboratories, and latent prints laboratory), State Toxicology Laboratory Division, and Impaired Driving Section (Breath Alcohol and Drug Evaluation and Classification programs). Laboratory services include controlled substances, documents, trace evidence, firearms, arson, explosives, serology, DNA, chemistry, tool marks, latent prints, and alcohol, drug and poison testing.

- 1990- 2011           **Clinical Assistant Professor**  
 Department of Laboratory Medicine  
 School of Medicine, University of Washington  
 Box 357110, NW-120  
 Seattle, WA 98195-7110
- 1990 - Present       **Consultant in Forensic Toxicology**  
 Dr. Logan consults on human performance, DUI, postmortem, and drug facilitated sexual assault toxicology, and alcohol, drugs and traffic safety issues. He has testified in civil and criminal cases on behalf of prosecutors and defense attorneys, plaintiffs and defendants in over 200 trials in 10 states, and in Federal Court.
- 1987 – 1990         **Senior/Research Associate**  
 Toxicology Laboratory  
 Pathology Department  
 University of Tennessee Center for Health Sciences
- 1987- 1990           **Instructor**  
 Department of Allied Health Sciences  
 University of Tennessee, Memphis, TN
- 1982 - 1986         **Instructor**  
 Medical and Forensic Chemistry  
 Department of Chemistry  
 University of Glasgow  
 Glasgow, Scotland

**Other Appointments / Honors (\* current)**

- 2013**                President, American Academy of Forensic Sciences (AAFS)
- 2012-2013**  
**(Academic Year)**       Clinical Professor in the Department of Chemistry's Forensic Science Program, College of Arts & Sciences, Arcadia University
- 2012**                Ex-Officio, Forensic Sciences Foundation, Inc. (FSF)
- 2012**                President-Elect, American Academy of Forensic Sciences (AAFS)
- 2011**                Office of National Drug Control Policy, Summit on Drugged Driving, White House Conference Center, Washington DC, October, 2011
- 2011\***              Advisory Board Member, Pacific Institute for Research and Evaluation (PIRE), Impaired Driving Center (IDC)
- 2011**                Robert F. Borkenstein Award, National Safety Council
- 2010**                Rolla N. Harger Award, American Academy of Forensic Sciences (AAFS)

**2010** Treasurer, American Academy of Forensic Sciences (AAFS)

**2010\*** Executive Director, Frederic Rieders Family Renaissance Foundation

**2009** Associate Director, Frederic Rieders Family Renaissance Foundation

**2009\*** Visiting Scholar, Indiana University, Department of Criminal Justice

**2009** Chair, Membership Committee, American Academy of Forensic Sciences

**2009** Vice President, American Academy of Forensic Sciences

**2008\*** Adjunct Professor, Arcadia University Forensic Science Program

**2008** T2010 Chair Scientific Program Committee, International Council on Alcohol Drugs and Traffic Safety, Oslo, Norway

**2008** NHTSA Expert Panel for Developing Protocols for Impairment for Driving Under the Influence of Drugs (DUID)

**2008** NHTSA Consultative Panel on Strategic Plan for Drug Impaired Driving Research

**2007** President and CEO of T2007. A private limited corporation formed to run the T2007 ICADTS/TIAFT meeting.

**2007** Chair/Host ITCADTS/TIAFT International Meeting, Seattle WA

**2007** Member, Blue Ribbon Panel on Automotive Industry Interlock Technology

**2007** Chair AAFS Scientific Program Committee, 60<sup>th</sup> Annual Meeting, Washington DC

**2006** Co-Chair AAFS Scientific Program Committee, San Antonio, TX

**2006** John P. McGovern Foundation Leadership Award for Substance Abuse Prevention

**2006** Treasurer, International Council on Alcohol, Drugs and Traffic Safety (ICADTS)

**2006** Toxicology Arbitration Panel, XXth Winter Olympic Games

**2006** Chairman of Local Arrangements Committee for the American Academy of Forensic Sciences, 58th Annual Meeting, Seattle, WA, February, 2006

**2005** Board of Directors, American Academy of Forensic Sciences

**2005** Nominating Committee, National Safety Council, Committee on Alcohol and Other Drugs

**2005** Director, Board of Directors, Society of Forensic Toxicologists

**2004** Toxicology Arbitration Panel, XXVIII Olympic Games

- 2004** Chair, Workshop “Diagnosing Drug Impaired Drivers” ICADTS Meeting, Glasgow, Scotland, August, 2004
- 2004** Scientific Program Chair, TIAFT 2007 Annual Meeting
- 2004** Chair, NHTSA/National Safety Council Symposium on Improving the Integration of DRE, Investigative and Toxicological Evidence in Drug Impaired Driving Prosecutions, Seattle, WA, May, 2004
- 2004** Chair, Indiana University Symposium on Administration and Management of State Breath Alcohol Test Programs, October, 2004
- 2004** Chair, Organizing Committee for ICADTS, 2007
- 2004** Chair, National Safety Council Symposium on Improving Integration of DRE, Investigative and Toxicological Evidence in DUID Prosecutions
- 2003** Assistant Treasurer, International Council on Alcohol, Drugs and Traffic Safety (ICADTS)
- 2003** 2003 Mid-Career Achievement Award, The International Association of Forensic Toxicologists (TIAFT)
- 2003** Chair, NSC/AAFS/SOFT Joint Workgroup on per se DUID Statutes
- 2003** Chair, Society of Forensic Toxicologists 2003 Scientific Program
- 2002\*** Executive Director, Indiana University Center for Studies of Law in Action
- 2002** Chair, American Academy of Forensic Sciences 2003 Workshops
- 2002** Toxicology Arbitration Panel, 2002 Winter Olympic Games
- 2000** Chair, Drug Induced Diminished Capacity Workshop, Seattle, WA
- 2000** Chair, International Consultative Meeting on Drugs and Driving Impairment, Seattle, WA
- 2000-2012** Board of Directors, American Board of Forensic Toxicology
- 2000** Chair, American Academy of Forensic Sciences, Toxicology Section
- 2000** Chair, Multi-Disciplinary Session, AAFS 2001 Meeting, Seattle, WA
- 1999\*** Elected to National Safety Council, Executive Board
- 1999\*** Appointed to Editorial Board, Journal of Forensic Sciences (through February, 2018)
- 1999** American Academy of Forensic Sciences, Toxicology Section Secretary

- 1998** American Academy of Forensic Sciences, Toxicology Program Chair
- 1998\*** Appointed to Faculty, Center for Studies of Law in Action, Indiana University
- 1998\*** Elected to International Council on Alcohol, Drugs and Traffic Safety
- 1998\*** Chair, Committee on Drugs, Pharmacology, and Toxicology, National Safety Council Committee on Alcohol and Other Drugs
- 1998\*** Member, Executive Committee, National Safety Council Committee on Alcohol and Other Drugs
- 1997\*** Member, Review Committee, American Board of Forensic Toxicology
- 1997\*** Appointed to Editorial Review Board, Journal of Analytical Toxicology
- 1997** SOFT, Nominating Committee
- 1997** AAFS, Toxicology Section Awards and Scholarships Committee
- 1997** AAFS, Toxicology Section Program Committee
- 1996** Rosenblatt Lecturer, Barnett Institute of Chemical Analysis and Materials Science, Northeastern University, Boston, MA
- 1995** Award of Excellence, (Government Leadership) Washington Traffic Safety Commission
- 1995** United States Representative and Rapporteur to the United Nations Drug Control Program, Vienna, Austria
- 1995** Chairman, Drug Impaired Driving Advisory Committee to the Washington Traffic Safety Commission
- 1994** Chairman of the Mass Spectrometry Database Committee of the Toxicology Section of the American Academy of Forensic Sciences
- 1994** Chairman of Local Arrangements Committee for the American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
- 1994 \*** Elected to the National Safety Council
- 1993** Inspector, National Laboratory Certification Program, Substance Abuse and Mental Health Services Administration (SAMHSA)
- 1993** Assoc. Editor, American Academy of Forensic Sciences, "News & Views"
- 1992** Course Administration and Coordination for University of Washington Extension Program "Forensic Investigation" Class
- 1992** Guest Lecturer, Graduate Course in Analytical Chemistry Methods Department of Chemistry, University of Washington

**1989** Guest Lecturer, Analytical and Forensic Toxicology, Toxicology Program,  
Biology Department, Memphis State University

### **Peer Review**

Reviewer for the Journal of the Forensic Science Society (Society and Justice), Journal of Analytical Toxicology, Analytical Chemistry, Clinical Chemistry, Analytica Chimica Acta, Talanta, Journal of High Resolution Chromatography and Chromatographic Communications, Third World Academy of Science, Journal of Forensic Sciences, Biological Psychiatry. Member of the Editorial Advisory Board for the Journal of Analytical Toxicology, and the Journal of Forensic Sciences.

### **Continuing Professional Education**

#### **“Drug Use Testing Symposium”**

American Academy of Forensic Sciences, Pittsburgh, PA, February, 1988. A one day symposium on chemical, clinical and legal aspects of drug testing in the workplace.

#### **“D.U.I. Instructors Course”**

University of Tennessee / NHTSA, Monteagle, TN, December, 1988  
A four day instructor’s course in Standardized Field Sobriety Testing techniques, including Horizontal Gaze Nystagmus (HGN). Formal qualification as NHTSA DUI/DWI Instructor.

#### **“Tests for BAC in Highway Safety Programs - Supervision and Expert Testimony”**

University of Indiana, Center for Studies of Law in Action, Bloomington, IN,  
December, 1990

#### **“The Effects of Drugs on Human Performance and Behavior: Drugs and Driving / Drugs in the Workplace”**

American Academy of Forensic Sciences, Anaheim, CA, February, 1991  
A one day symposium on the pharmacology, subjective effects and potential for impairment of illicit and prescription drugs.

#### **“The Benzodiazepines: Pharmacology and Analytical Techniques”**

American Academy of Forensic Sciences, New Orleans, LA, February, 1992

#### **“Frontiers in Forensic Toxicology”**

American Academy of Forensic Sciences, New Orleans, LA, February, 1992

#### **“Death Investigation”**

University of Washington, Continuing Medical Education, Seattle, WA, March, 1992  
A 40 hour seminar on techniques and issues in forensic death investigation.

#### **“Forensic Investigation”**

University of Washington Extension Program, October, 1992  
A 30 hour lecture course covering analytical, investigative, and procedural aspects of serious crime investigation.

- "Analytical Toxicology: An Algorithm Approach"  
Society of Forensic Toxicologists and California Association of Toxicologists,  
Phoenix, AZ, October 12, 1993
- "Forensic Investigation"  
A 30 hour lecture course covering analytical, investigative, and procedural aspects of  
serious crime investigation. University of Washington Extension Program, October,  
1994
- "Fundamentals in Forensic Toxicology: Pharmacologic Concepts"  
American Academy of Forensic Sciences, San Antonio, TX, February, 1994
- "Advanced Forensic Toxicology: Pharmacologic and Interpretative Topics"  
Society of Forensic Toxicology, Baltimore, MD, October 10, 1995
- "Drugs and Driving: Current Pharmacologic Issues."  
Society of Forensic Toxicology, Baltimore, MD, October 10, 1995
- "Stimulant Induced Impairment"  
California Association of Toxicologists, Lake Tahoe, CA, May, 1996
- "Drugs and Driving Toxicology"  
Northwest Association of Forensic Sciences / Utah Forensic Science Association,  
Salt Lake City, UT, September, 1996
- "Fundamentals of Medical Examiner Toxicology"  
Society of Forensic Toxicology, Denver, CO, October 15, 1996
- "Isoenzyme Specific Metabolism of Drugs of Forensic Interest"  
Society of Forensic Toxicology, Denver, CO, October 15, 1996
- "Uppers and Downers: The Pathology, Toxicology and Clandestine Chemistry of Drug Related  
Death, Disability and Drug Related Deaths in Custody"  
American Academy of Forensic Sciences, New York, NY, February, 1997
- "Drug Induced Diminished Capacity in Crimes of Violence"  
American Academy of Forensic Sciences, New York, NY, February, 1997 (Chair)
- "Fetal and Pediatric Pharmacology"  
Society of Forensic Toxicology, Salt Lake City, UT, October, 1997
- "Methamphetamine: Synthesis, Pharmacology, Analysis, and Toxicology"  
American Academy of Forensic Sciences, San Francisco, CA, February, 1998 (Chair)
- "The Effects of Alcohol and Drugs on Human Performance and Behavior"  
American Academy of Forensic Sciences/California Association of Toxicologists,  
UCLA, CA, August, 1998
- "Pharmacology and Analytical Toxicology of Drugs in Saliva"  
Society of Forensic Toxicology/TIAFT, Albuquerque, NM, October, 1998



- “Practical Aspects of CI/MS for Drugs of Abuse”  
Society of Forensic Toxicology/TIAFT, Albuquerque, NM, October, 1998
- “Marijuana: a Forensic Symposium”  
American Academy of Forensic Sciences, Orlando, FL, February, 1999
- “Preparing for the New Millennium in the Forensic Toxicology Laboratory”  
American Academy of Forensic Sciences, Orlando, FL, February, 1999 (Chair)
- “Breath Alcohol Testing for Forensic Purposes - Principles, Practice and Present Status”  
International Association of Forensic Sciences, Los Angeles, CA, August, 1999
- “The Effects of Drugs on Human Performance and Behavior”  
International Association of Forensic Sciences, Los Angeles, CA, August, 1999
- “Facilitator Skills Training”  
Washington State Department of Personnel, Olympia, WA, June, 2000
- “Graphical Display of Quantitative Information”  
Workshop presented by Edward Tufte, Seattle, WA, August, 2001
- “Robert F. Borkestein Course on Alcohol and Highway Safety: Testing, Research and Litigation”,  
Indiana University Center for Studies of Law in Action, Bloomington, IN, December, 2002
- “FBI Laboratory Symposium on Forensic Toxicology”  
National Institute of Justice/FBI, Washington, DC, August, 2004
- “Evidence Based Forensic Medicine (Co Chair)”  
American Academy of Forensic Sciences, New Orleans, LA, February, 2005
- “Drug Driving Workshop”  
International Association of Forensic Sciences, Hong Kong, PRC, August, 2005
- “Symposium on Medicinal Drugs and Driving”  
TIAFT 2006, Ljubljana, Slovenia, September, 2006
- “Developing Standards for Research in Drugged Impaired Driving: Experts Meeting”  
International Invitational Symposium sponsored by European Union, National Institute on Drug Abuse – International Programs, Talloires, France, September, 2006
- “The Protection of Human Research Subjects - Basic Course”  
CITI Collaborative Institutional Training Initiative  
Arcadia University, January, 2013
- “Responsible Conduct of Research (RCR)” Course  
CITI Collaborative Institutional Training Initiative  
Arcadia University, January, 2013

## Grants

### High Performance Liquid Chromatograph with Diode Array Detection, Automated Sample Processor and Computer-Based Data System

February, 1989 – June, 1990. Analytical Equipment from Varian Associates, Walnut Creek, CA; Courtesy of Dr. T. Sheehan

### Resolution of Amphetamine and Methamphetamine Enantiomers by HPLC without Derivatization

Stafford DT, Francisco, JT, **Logan BK**.

January, 1990. Acorn Grant awarded by the Forensic Sciences Foundation

### Gas Phase Electrochemical Determination of Carbon Monoxide and Cyanide in Postmortem Biological Fluids and Tissues

**Logan BK**, Principal Investigator

October, 1991. National Institute of Justice, Forensic Science Technology Program

### Drug and Alcohol in Drivers Involved in Traffic Fatalities I: Deceased Drivers in Fatal Accidents

**Logan BK**, Principal Investigator

May, 1992. Washington Traffic Safety Commission

### Methods for the Identification and Quantitation of Drugs in Blood from Impaired Drivers

**Logan BK**, Principal Investigator

May, 1996. Washington Traffic Safety Commission

### Consensus Meeting on Drug Concentrations and Impairment

**Logan BK**, Principal Investigator

July, 2000, National Safety Council/National Highway Traffic Safety Administration

### Priorities and Strategies for Improving the Investigation, Use of Toxicology Reports, and Prosecution of Drug Driving Cases

**Logan BK**, Principal Investigator

May, 2004, National Safety Council/National Highway Traffic Safety Administration

### Survey Update of Laboratories Performing DRE and DUID Toxicology: Update of Testing Guidelines, and Plan for Compliance

**Logan BK**, Principal Investigator

September, 2011, National Safety Council

## Publications (Peer reviewed)

1. Sedation in Intensive Care: Morphine and Renal Failure.  
Bion J, **Logan BK**, Newman PM, Brodie MJ, Oliver JS, Aitchison TC, Ledingham IM. Intensive Care Medicine. 1986; 12(5):359-65.
2. The Measurement and Interpretation of Morphine in Blood.  
**Logan BK**, Oliver JS, Smith H. Forensic Science International. 1987; 35(2-3):189-95.
3. A Simple Laboratory test for the Determination of the Chemical Form of Cocaine.  
**Logan BK**, Nichols HS, Stafford DT. Journal of Forensic Sciences 1989; 34(3):678-81.

4. Liquid/Solid Extraction on Diatomaceous Earth for Drug Analysis in Postmortem Blood.  
**Logan BK**, Stafford DT. Journal of Forensic Sciences. 1989; 34(3):553-64.
5. Direct Analysis of Anticonvulsant Drugs in Vitreous Humour by HPLC using a Column Switching Technique.  
**Logan BK**, Stafford DT. Forensic Science International. 1989; 41(1-2):125-34.
6. Rapid Screening for 100 Basic Drugs and Metabolites in Urine using Cation Exchange Solid-Phase Extraction and HPLC with Diode Array Detection.  
**Logan BK**, Stafford DT, Tebbett IR, Moore CM. Journal of Analytical Toxicology. 1990; 14(3):154-9.
7. The Use of HPLC with Diode Array Spectrophotometric Detection in Forensic Drug Analysis - A Review.  
**Logan BK**, Stafford DT. Crime Laboratory Digest. 1990; 17(1):5-12.
8. Photodegradation of Nifedipine Relative to Nitrendipine Evaluated by Liquid and Gas Chromatography.  
**Logan BK**, Patrick KS. Journal of Chromatography. 1990; 529(1):175-81.
9. Information Resources Useful in Forensic Toxicology.  
Stafford DT, **Logan BK**. Fundamental and Applied Toxicology. 1990; 15(3):411-9.
10. High Performance Liquid Chromatography with Column Switching for the Determination of Cocaine and Benzoylcegonine Concentrations in Vitreous Humor.  
**Logan BK**, Stafford DT. Journal of Forensic Sciences. 1990; 35(6):1303-9.
11. Further Applications for Capillary Gas Chromatography in Routine Quantitative Toxicological Analysis.  
Phillips AM, **Logan BK**, Stafford DT. Journal of High Resolution Chromatography. 1990; 13:754-8.
12. A Rapid Method for the Determination of Cocaine in Brain Tissue.  
Browne SP, Moore CM, Scheurer J, Tebbett IR, **Logan BK**. Journal of Forensic Sciences. 1991; 36(6):1662-5.
13. Case Report: Identification of Laudanosine, An Atracurium Metabolite, Following a Fatal Drug-Related Shooting.  
**Logan BK**, Case GA. Journal of Analytical Toxicology. 1993; 17(2):117-9.
14. Case Report: Poisonings Associated with Cyanide in Over the Counter Cold Medication in Washington State, 1991.  
**Logan BK**, Howard J, Kiesel EL. Journal of Forensic Sciences. 1993; 38(2):472-476.
15. Product Tampering Crime: A Review.  
**Logan BK**. Journal of Forensic Sciences. 1993; 38(4):918-927.
16. Case Report: Three Fatal Drug Overdoses involving Bupropion.  
Friel PN, **Logan BK**, Fligner CL. Journal of Analytical Toxicology. 1993; 17(7):436-438.

17. Liquid Chromatography with Photodiode Array Spectrophotometric Detection in the Forensic Sciences.  
**Logan BK.** Analytica Chimica Acta. 1994; 288:111-22.
18. Analysis of Sertraline (Zoloft®) and its Major Metabolite in Postmortem Specimens by Gas and Liquid Chromatography.  
**Logan BK,** Friel PN, Case GA. Journal of Analytical Toxicology. 1994; 18(3):139-42.
19. The Significance of Morphine Concentrations in the Cerebrospinal Fluid in Morphine Caused Deaths.  
**Logan BK,** Lüthi R. Journal of Forensic Sciences. 1994; 39(3):699-706.
20. Isopropanol Interference with Breath Alcohol Analysis: A Case Report.  
**Logan BK,** Gullberg RG, Ellenbaas JK. Journal of Forensic Sciences. 1994; 39(4): 1107-11.
21. Differentiation of Diethyl Ether/Acetone and Ethanol/Acetonitrile Solvent Pairs, and other Common Volatiles by Dual Column Headspace Gas Chromatography.  
**Logan BK,** Case GA, Kiesel EL. Journal of Forensic Sciences. 1994; 39(6):1541-8.
22. The Origin and Significance of Ecgonine Methyl Ester in Blood Samples.  
(Letter to the Editor)  
**Logan BK** and Peterson KL. Journal of Analytical Toxicology. 1994; 18(2):124-5 .
23. Analysis of Ketorolac in Postmortem Blood.  
**Logan BK,** Friel PN, Peterson KL, Predmore DB. Journal of Analytical Toxicology. 1995; 19(2):61-4.
24. An Evaluation of the Reliability of Widmark Calculations Based on Breath Alcohol Measurements.  
Friel PN, **Logan BK,** Baer J. Journal of Forensic Sciences. 1995; 40(1):91-4.
25. Detection of Cocaine and its Polar Transformation Products and Metabolites in Human Urine.  
Peterson KL, **Logan BK,** Christian GD. Forensic Science International. 1995; 73(3): 183-96.
26. Variability of Ethanol Absorption and Breath Concentrations during a Large Scale Alcohol Administration Study.  
Friel PN, Baer JS, **Logan BK.** Alcoholism: Clinical and Experimental Research. 1995; 19(4):1055-60.
27. Unexpected Amantadine Intoxication in the Death of a Trauma Patient.  
Hartshorne NJ, Harruff RC, **Logan BK.** American Journal of Forensic Medicine and Pathology. 1995; 16(4):340-3.
28. Gastric Contamination of Postmortem Blood Samples during Blind-Stick Sample Collection.  
**Logan BK,** Lindholm G. American Journal of Forensic Medicine and Pathology. 1996; 17(2):109-11

29. Postmortem Distribution and Redistribution of Morphine in Man.  
**Logan BK**, Smirnow D. Journal of Forensic Sciences. 1996; 41(2):221-9.
30. Case Report: Distribution of Methamphetamine in a Massive Fatal Ingestion.  
**Logan BK**, Weiss EL, Harruff, RC. Journal of Forensic Sciences. 1996; 41(2):322-3.
31. Drug and Alcohol Use in Fatally Injured Drivers in Washington State.  
**Logan BK**, Schwilke EW. Journal of Forensic Sciences. 1996; 41(3):311-16.
32. Methamphetamine and Driving Impairment.  
**Logan BK**. Journal of Forensic Sciences. 1996; 41(3):457-64.
33. Simple versus Sophisticated Models of Breath Alcohol Exhalation Profiles.  
Lubkin SR, Gullberg RG, **Logan BK**, Maini PK, Murray JD. Alcohol and Alcoholism. 1996; 31(1):61-7.
34. Differentiation of *Mycobacterium Genevense* and *Mycobacterium Simiae* by Automated Mycolic Acid Analysis with High Performance Liquid Chromatography.  
Ritter D, Carlson LC, **Logan BK**, Ramos LS, Kilburn JO, Coyle MB. Journal of Clinical Microbiology. 1996; 34(8):2004-6.
35. Analysis of Ecgonine and other Cocaine Biotransformation Products in Postmortem Whole Blood by Protein Precipitation-Extractive Alkylation and GC-MS.  
Smirnow D, **Logan BK**. Journal of Analytical Toxicology. 1996; 20:463-7.
36. Lack of Predictable Site-Dependent Differences and Time-Dependent Changes in Postmortem Concentrations of Cocaine, Benzoylecgonine, and Cocaethylene in Humans.  
**Logan BK**, Smirnow D, Gullberg R. Journal of Analytical Toxicology. 1997; 20(1): 23-31.
37. Sequential Injection Extraction for Sample Preparation.  
Peterson KL, **Logan BK**, Christian G, Ruzicka J. An Chim Acta. 1997; 337:99-106.
38. Methadone Levels in Breast Milk.  
Geraghty B, Graham E, **Logan BK** and Weiss E. Journal of Human Lactation. 1997; 13(3):227-30.
39. Identification of Tramadol and its Metabolites in Blood from Drug-Related Deaths and Drug-Impaired Drivers.  
Goeringer KE, **Logan BK**, Christian GD. Journal of Analytical Toxicology. 1997; 21(7):529-37.
40. GCMS Analysis and Postmortem Distribution of Felbamate in Humans.  
Friel PN, **Logan BK**, Formoso EJ. Epilepsy. 1997; 10(6):283-6.
41. Cause and Manner of Death in Fatalities involving Methamphetamine.  
**Logan BK**, Fligner CL, Haddix T. Journal of Forensic Sciences. 1998; 43(1):28-34.
42. Lack of Effect of Tongue Piercing on an Evidential Breath Alcohol Test.  
**Logan BK**, Gullberg RG. Journal of Forensic Sciences. 1998; 43(1):239-240.

43. Evaluation of the Effect of Asthma Inhalers and Nasal Decongestant Sprays on a Breath Alcohol Test.  
**Logan BK**, Distefano S, Case GA. Journal of Forensic Sciences. 1998; 43(1): 197-9.
44. Ethanol Content of Various Foods and Soft Drinks and their Potential for Interference with a Breath-Alcohol Test.  
**Logan BK**, Distefano S. Journal of Analytical Toxicology. 1998; 22(3):181-3.
45. Multiple Cocaine Induced Seizures and Corresponding Cocaine and Metabolite Concentrations.  
Winbery S, Blaho K, **Logan BK**, Geraci S. American Journal of Emergency Medicine. 1998 ;16(5):529-33.
46. Reproducibility of Within-Subject Breath Alcohol Analysis.  
Gullberg RG, **Logan BK**. Med Sci Law. 1998; 38(2):157-62.
47. Drug Concentrations in Cocaine Caused and Related Deaths.  
Liou IW, **Logan BK**, Fligner CL. J Invest Med. 1999; 46(1):99A-99A.
48. Development of Dosing Guidelines for Reaching Selected Target Breath Alcohol Concentrations.  
Friel PN, **Logan BK**, O'Malley D, Baer JS. J Stud Alcohol. 1999; 60(4):555-65.
49. Detection of the Novel Metabolite Ethylphenidate after Methylphenidate Overdose with Alcohol Coingestion.  
Markowitz JS, **Logan BK**, Diamond F, Patrick KS. J Clin Psychopharmacol. 1999; 19(4):362-6.
50. Alcohol Content of Beer and Malt Beverages: Forensic Considerations.  
**Logan BK**, Case GA, Distefano S. Journal of Forensic Sciences. 1999; 44(6): 1292-5.
51. Determination of  $\gamma$ -Hydroxybutyrate (GHB) in Biological Specimens by Gas Chromatography-Mass Spectrometry.  
Couper FJ, **Logan BK**. Journal of Analytical Toxicology. 2000; 24(1):1-7.
52. Tabulation of Alcohol Content of Beer and Malt Beverages.  
Case GA, Distefano S, **Logan BK**. Journal of Analytical Toxicology. 2000; 24(3): 202-10.
53. Carisoprodol, Meprobamate and Driving Impairment.  
**Logan BK**, Case GA, Gordon AM. Journal of Forensic Sciences. 2000; 45(3):619-23.
54. Postmortem Forensic Toxicology of Selective Serotonin Reuptake Inhibitors: A Review of Pharmacology and Report of 168 Cases.  
Goeringer KE, Raymon L, Christian G, **Logan BK**. Journal of Forensic Sciences. 2000; 45(3):633-48.

55. Blood Cocaine and Metabolite Concentrations, Clinical Findings, and Outcome of Patients Presenting to an ED.  
Blaho K, **Logan BK**, Winbery S, Park L, Schwilke E. American Journal of Emergency Medicine. 2000; 18(5):593-8.
56. Cocaine Metabolism in Hyperthermic Patients with Excited Delirium.  
Blaho K, Winbery S, Park L, **Logan B**, Karch SB, Barker LA. Journal of Clinical Forensic Medicine. 2000; 7:71–76.
57. Postmortem Forensic Toxicology of Trazodone.  
Goeringer KE, Raymon L, **Logan BK**. Journal of Forensic Sciences. 2000; 45(4): 850-6.
58. Endogenous Ethanol 'Autobrewery Syndrome' as a Drunk-Driving Defense Challenge.  
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5. Increasing the Resolving Power of HPLC through Complementary Analysis and Selective Detection.  
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6. Some Experiences with Solid Phase Extraction Techniques in Postmortem Drug Analysis.  
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8. Selection of Sample Preparation Techniques in Forensic Toxicology.  
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10. In-line Solid Phase Sample Preparation for the Analysis of Drugs in Postmortem Fluids by High Performance Liquid Chromatography.  
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12. An Integrated Approach for the Identification of Cocaine in Street Drugs.  
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13. A Robust Solid Phase Extraction Method for Basic Drugs and Metabolites in Postmortem Blood.  
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- 16.\* The Use of Horizontal Gaze Nystagmus in DWI Arrests  
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- 17.\* The Breath Test: Changes in the State's Program and the WAC.  
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18. Prosecuting DWI's in Washington State - Use of Expert Testimony  
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- 19.\* Washington Administrative Code Provisions for Breath Alcohol Testing  
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20. Liquid/Liquid vs. Solid Phase Extraction for the Isolation of 11-Nor-Delta-9-Tetrahydrocannabinol-9-Carboxylic Acid from Alkaline Hydrolyzed Urine.  
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21. Changes in the Illegal Drug Market in Memphis TN 1979-1989  
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22. Cyanide in Sudafed 12-Hour Cold Capsules in Washington State 1991  
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23. State Toxicology and Death Investigation  
**Logan BK**. University of Washington, Continuing Medical Education, Seattle, WA, March, 1992
24. A Comparison of Two Solid Phase Extraction Methods for Acid Neutral Drugs in Postmortem Blood  
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25. Estimation of BAC and Time to Peak BAC in Drinkers following the Rapid Consumption of Alcohol  
Predmore D, **Logan BK**. Northwest Association of Forensic Sciences, Reno, NV, May, 1992
26. Role of Chemical Tests for Alcohol in DWI Prosecutions  
**Logan BK**. Washington Association of Prosecuting Attorneys, District Court Training, Burien, WA, June, 1992
27. Drugs, Poisons and Chemical Analysis  
**Logan BK**. University of Washington Extension Program, "Forensic Investigation," Seattle, WA, October, 1992
28. Forensic Toxicology  
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29. Analytical and Postmortem Forensic Toxicology of Bupropion and Sertraline, Two New Non-Tricyclic Antidepressants.  
**Logan BK**. Department of Laboratory Medicine, University of Washington, Chemistry Research Conference, May 19, 1992
30. Identification of "Mycobacterium genavense" by Analysis of Mycolic Acids and Whole-Cell Fatty Acids  
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31. Detection and Characterization of Sertraline (Zoloft®) in a Suicidal Hanging  
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32. Three Fatal Drug Overdoses Involving Bupropion (Wellbutrin®)  
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33. Evaluation of Methods for the Analysis of Drugs in Cerebrospinal Fluid (CSF) in Postmortem Forensic Toxicology.  
Lüthi R, **Logan BK**. 45th Annual Meeting of the American Academy of Forensic Sciences, Boston, MA, February, 1993

- 34.\* Advantages of a Comprehensive Approach in Postmortem Toxicology  
**Logan BK.** Society of Forensic Toxicologists/California Association of Toxicologists, 1993, Joint Meeting, Phoenix, AZ, October 12, 1993
- 35.\* Detection of Drugs in Fatally Injured Drivers in Washington State, 1992-1993.  
**Logan BK.** Washington Traffic Safety Conference, Tumwater, WA, December 7, 1993
36. Measuring Carbon Monoxide and Cyanide in Postmortem Blood and Tissue Using a Gas Phase Electrochemical Technique  
**Logan BK.** 46th Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX, February, 1994
37. Diethyl Ether Misidentified as Acetone by Headspace Gas Chromatography.  
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38. Ethanol Absorption During Stress  
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39. Analysis of Polar Cocaine Metabolites in Urine and Spinal Fluid  
Peterson KL, **Logan BK,** Christian GD, Ruzicka J. 46th Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX, February, 1994
40. Effects of Stress on Pharmacokinetics of Ethanol in a Laboratory Environment  
**Logan BK,** Friel PN, Baer JS. 7th Annual Meeting of the International Association of Chemical Testing, Denver, CO, April, 1994
- 41.\* Forensic Aspects of Breath Alcohol Measurement  
**Logan BK,** Gullberg RG. Department of Environmental Health Seminar Series, University of Washington, June 2, 1994
- 42.\* The Use of Toxicology Testing in Felony Prosecutions  
**Logan BK.** Washington Association of Prosecuting Attorneys, Spring Training, Chelan, WA, June 24, 1994
- 43.\* The Death Investigations System in Washington State  
Reay D, **Logan BK** Orientation for newly elected officials, Washington Association of Counties and Washington Association of County Officials, Tumwater, WA, November 30, 1994
- 44.\* Sample Collection Procedures for Death Investigation Toxicology  
**Logan BK.** Washington Association of Coroners and Medical Examiners, Winter Training, Tumwater, WA, November 28, 1994
- 45.\* Drugs and Driving  
**Logan BK.** Workshop for Washington Traffic Safety Commission, Alcohol and Traffic Safety Conference, Tumwater, WA, December 6, 1994

- 46.\* Washington's Breath Alcohol Testing Program - Past and Future  
**Logan BK**. Washington Traffic Safety Commission, Alcohol and Traffic Safety Conference, Tumwater, WA, December 7, 1994
47. Use of a Statewide Database in the Management of a Forensic Breath Alcohol Test Program: A Seven Year Perspective.  
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48. Evaluation of the Ability of the BAC Verifier DataMaster to Distinguish Ethanol from Other Organic Solvents.  
Case GA, Distefano S, **Logan BK**, American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
49. Drug and Alcohol Use in Fatally Injured Drivers in Washington State.  
Schwilke EW, **Logan BK**, American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
50. Postmortem Concentrations of Sertraline and Norsertraline  
Marker EK, Levine A, Kirk S, Stajic M, **Logan BK**, American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
51. Two Fatalities Associated with Amantadine Overdose  
Lüthi R, **Logan BK**, Predmore D, Friel P, Hartshorne N, Harruff RC, Fligner CL, Schmunk G. American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
52. GC/MS Analysis of Felbamate, a New Antiepileptic Drug in Postmortem Specimens  
Friel PN, Formoso E, **Logan BK**. American Academy of Forensic Sciences, 47<sup>th</sup> Annual Meeting, Seattle, WA, February, 1995
- 53.\* Sudafed Product Tampering  
**Logan BK**. Multidisciplinary Symposium, American Academy of Forensic Sciences, 47th Annual Meeting, Seattle, WA, February, 1995
54. Applying Confidence Intervals to Results of Breath Alcohol Analyses  
Bosman RA, **Logan BK**, Gullberg RG, 8th Annual Meeting of the International Association of Chemical Testing, Milwaukee, WI, April, 1995
55. Cocaine Metabolite Extraction from Whole Blood and Sequential Derivatization and Detection by GC/MS  
Smirnow D, **Logan BK**, Academy of Clinical Laboratory Physicians and Scientists meeting, Syracuse, NY, June, 1995
56. Postmortem Distribution and Redistribution of Morphine in Acute Drug Overdose Deaths  
Smirnow D, **Logan BK**, Academy of Clinical Laboratory Physicians and Scientists meeting, Syracuse, NY, June, 1995
57. Sequential Injection Extraction  
Peterson KL, **Logan BK**, Ruzika J. Association of Official Analytical Chemists, Olympia, WA, July, 1995



58. Sequential Injection Extraction Techniques for the Analysis of Drugs in Human Urine  
Peterson KL, **Logan BK**, Christian G, Federation of Analytical Chemistry and Spectroscopy Societies, Cincinnati, OH, October 24, 1995
59. Time Dependant Changes and Site Dependant Differences in Postmortem Morphine Concentration in Man  
**Logan BK**, Smirnow D, Society of Forensic Toxicology 25th Annual Meeting, Baltimore, MD, October, 1995
60. Sequential Derivatization, Extraction and Analysis of Polar Cocaine Metabolites in Postmortem Blood  
**Logan BK**, Smirnow D, Society of Forensic Toxicology, 25th Annual Meeting, Baltimore, MD, October, 1995
- 61.\* Methods for the Analysis of Barbiturates  
**Logan BK**. United Nations Drug Control Program, Consultative Meeting on the Detection and Assay of Benzodiazepines and Barbiturates in Biological Fluids, Kowloon, Hong Kong, November 13 - 17, 1995
- 62.\* Postmortem Distribution of Morphine in Man.  
**Logan BK**. Heroin Redux. Workshop presentation for the American Academy of Forensic Science 48th Annual Meeting, Nashville, TN, February, 1996
- 63.\* Sudafed Product Tampering  
**Logan BK**. Multidisciplinary Symposium, American Academy of Forensic Science 48th Annual Meeting, Nashville, TN, February, 1996
64. Time Dependant Changes and Site Dependant Differences in Postmortem Concentration of Cocaine, Benzoyl Ecgonine and Cocaethylene in Man  
**Logan BK**, Smirnow D, American Academy of Forensic Science 48th Annual Meeting, Nashville, TN, February, 1996
65. Sequential Injection Extraction of Weakly Acidic and Basic Drug from Urine  
Peterson KL, **Logan BK**, Christian GD, and Ruzicka J. American Academy of Forensic Science 48th Annual Meeting, Nashville, TN, February, 1996
- 66.\* Forensic Toxicology in Product Tampering Investigations  
**Logan BK**. Rosenblatt Guest Lecture, The Barnett Institute, Northeastern University, Boston, MA, February, 1996
- 67.\* Site Dependant Differences and Time Dependant Changes in Postmortem Drug Concentrations.  
**Logan BK**. Rosenblatt Guest Lecture, The Barnett Institute, Northeastern University, Boston, MA, February, 1996
- 68.\* Toxicology Testing in Drug Recognition Expert Programs  
**Logan BK**. National Highway Traffic Safety Administration, Prosecutor Training, Tumwater, WA, February, 1996

- 69.\* Drug Recognition Expert programs  
**Logan BK.** Washington State Association of District and Municipal Court Judges - Legislative and Licensing Committees, SeaTac, WA, April, 1996
70. Methamphetamine and Driving Impairment  
**Logan BK.** Stimulant Impaired Driving Workshop, California Association of Toxicologists, 1996 Spring Meeting, North Lake Tahoe, CA, May 4, 1996
- 71.\* Recent Experience with Methamphetamine in Washington State  
**Logan BK.** Postdoctoral Lecture Series in Criminal Psychology, Washington State Hospital, Steilacoom, WA, June, 1996
- 72.\* Interpretive Toxicology  
**Logan BK.** Death Investigation Seminar, Washington Criminal Justice Training Commission, Burien, WA, July, 1996
73. Further Validation of Widmark Calculations Based on Breath Alcohol Concentrations  
 Friel PN, O'Malley D, **Logan BK**, Baer JS Northwest Association of Forensic Sciences meeting, Salt Lake City, UT, October, 1996
74. Evaluation of a Method That Isolates and Quantitates Ecgonine and Other Metabolites in Whole Blood.  
 Schwilke ES, **Logan BK**, Blaho KE, Mandrell TD Northwest Association of Forensic Sciences meeting, Salt Lake City, UT, October, 1996
75. Determination of Tramadol and its Metabolites in Postmortem Blood  
 Goeringer KE, **Logan BK** Society of Forensic Toxicology, Denver, CO, October, 1996
76. Clinical Manifestations of Acute Cocaine Intoxication and Corresponding Levels from Patients Evaluated in an Inner City Emergency Department.  
 Merigian K, Blaho K, **Logan BK**, Winberry S, Geraci, S. Society of Forensic Toxicology, Denver, CO, October, 1996
77. Chest Pain Associated with Cocaine Intoxication: Case Reports with Corresponding Drug Levels.  
 Geraci S, Blaho K, **Logan BK**, Merigian K, Winberry S Society of Forensic Toxicology, Denver, CO, October, 1996
78. Characterization of a Model for Acute Cocaine Intoxication in Conscious Pigs.  
 Blaho K, Mandrell T, Labranche G, Merigian K, Geraci S, Winberry S, **Logan BK** Society of Forensic Toxicology, Denver, CO, October, 1996
- 79.\* Fundamentals of Medical Examiner Toxicology: Heroin and Cocaine  
**Logan BK.** Workshop presentation, Society of Forensic Toxicology, Denver, CO, October, 1996
80. Case Reports of Cocaine Induced Chest Pain: Correlation Between Clinical Findings and Blood Concentrations?  
 Geraci S, Blaho K, Winberry S, **Logan BK**, Merigian K. American Society of Clinical Pharmacology and Therapeutics, St. Louis, MO, March, 1997

81. Cocaine Blood Concentrations and Clinical Symptoms in Thirty Sequential Patients Evaluated in an Inner City Emergency Department. Winbery S, Blaho K, **Logan BK**, Merigian K, Geraci S. American Society of Clinical Pharmacology and Therapeutics, St. Louis, MO, March, 1997
  
82. A Novel Animal Model for Cocaine Intoxication. Blaho K, Mandrell T, Labranche G, Winbery S, Merigian K, **Logan BK**, Geraci S. American Society of Clinical Pharmacology and Therap., St. Louis, MO, March, 1997
  
83. Drug Induced Diminished Capacity in Crimes of Violence **Logan BK**. Workshop Chair and moderator, American Academy of Forensic Sciences, 49th annual meeting, New York, NY, February, 1997
  
- 84.\* Considerations in the Interpretation of Postmortem Drug Concentrations **Logan BK**. American Academy of Forensic Sciences, 49th Annual Meeting, New York, NY, February, 1997
  
- 85.\* Role of the Forensic Toxicologist in the Investigation of Terrorism and Mass Disaster. **Logan BK**. American Academy of Forensic Sciences, 49th Annual meeting, New York, NY, February, 1997
  
86. Methamphetamine Fatalities in Washington State 1993-95: Cause and Manner of Death in Fatalities Involving Methamphetamine. **Logan BK**, Fligner CL, Haddix T. American Academy of Forensic Sciences, 49th Annual Meeting, New York, NY, February, 1997
  
- 87.\* How Alcohol Affects the Body, Mind and Behavior **Logan BK**. Oregon Annual DUII conference, Beaverton, OR, April 18, 1997
  
- 88.\* Methamphetamine and Violence **Logan BK**. Washington Association of Prosecuting Attorneys, Criminal Track training, Tumwater, WA, April 24, 1997
  
- 89.\* Drug and Alcohol Testing Related to DUI **Logan BK**. CLE seminar, Associated Council for the Accused, Seattle, WA, May 13, 1997
  
- 90.\* Cause and Manner of Death Associated with Methamphetamine Use **Logan BK**. Clark County Medical Examiners Office, Mini-symposium on Drug Related Deaths, Vancouver, WA, June 9, 1997
  
- 91.\* Meeting Continuing Challenges in the Practice of Forensic Toxicology **Logan BK**, Plenary Lecture, 35th Annual meeting International Association of Forensic Toxicologists, Padova, Italy, August 1997
  
92. Methamphetamine and Driving Impairment **Logan BK**. 35th Annual meeting of The International Association of Forensic Toxicologists, Padova, Italy, August 1997

93. The Cause of the Increased Heroin Fatality Rate in Seattle  
Li M, Raven K, Harruff R, **Logan, BK** National Association of Medical Examiners  
Baltimore, MD, September, 1997
94. Clinical Findings and Drug Kinetics in Two Cases of Catastrophic Reactions to Cocaine  
Blaho K, **Logan BK**, Winbery S, Park L, Geraci, S. Society of Forensic Toxicologists,  
Salt Lake City, UT, October, 1997
95. Postmortem Forensic Toxicology of Trazodone in Man  
Goeringer K, **Logan BK**. Society of Forensic Toxicologists, Salt Lake City, UT,  
October, 1997
96. Review of Postmortem Toxicology in Twenty Deaths Involving Sertraline  
Goeringer K, **Logan BK**. Society of Forensic Toxicologists, Salt Lake City, UT,  
October, 1997
97. Tricyclic Antidepressant Concentrations in Overdose Patients Presenting in an Inner City  
Emergency Department.  
Winbery S, **Logan BK**, Blaho K. Society of Forensic Toxicologists, Salt Lake City, UT,  
October, 1997
98. Ante/Postmortem Kinetics of Cocaine in Juvenile Swine  
**Logan BK**, Blaho K, Schwilke G, Mandrell T. Society of Forensic Toxicologists,  
Salt Lake City, UT, October, 1997
99. PC Based Assessment of Alcohol Related Impairment with Synwork1  
Friel PN, O'Malley D, Baer JS, **Logan BK** CAT/NWAFS/SWAFS/SAT meeting,  
Las Vegas, NV, November, 1997
100. Beer and its Forensic Implications  
Case GA, **Logan BK**, CAT/NWAFS/SWAFS/SAT meeting, Las Vegas, NV,  
November, 1997
101. Concentrations of Cocaine and Metabolites in a Drug Abusing Population  
**Logan BK**, Blaho K, Winbery S, Geraci SA 5th International Congress of Therapeutic  
Drug Monitoring and Clinical Toxicology, Vancouver, BC, Canada, November, 1997
- 102.\* Speed Kills; The Downside of Methamphetamine Use in Drivers.  
**Logan BK**. Washington Traffic Safety Commission, Impaired Driver Conference,  
Fife, WA, December, 1997
103. Methamphetamine and Driving.  
in Methamphetamine: Synthesis, Pharmacology, Analysis, and Toxicology  
**Logan BK**. American Academy of Forensic Sciences, San Francisco, CA,  
February, 1998
104. Effects of Death and Decomposition on Concentrations of Cocaine and Metabolites in  
Juvenile Swine.  
**Logan BK**, Blaho B, Mandrell T, Berryman H, Goff ML, Goldberger BA, Schwilke S,  
Roper-Miller J, American Academy of Forensic Sciences, San Francisco, CA,  
February, 1998

- 105.\* Considerations When Trying to Determine the Role Cocaine May Have Played in a Death.  
**Logan BK.** California Association of Toxicologists, San Francisco, CA, February, 1998
106. Chest Pain and Cocaine Concentrations  
Geraci S, Blaho K, **Logan BK**, Winbery S, American Society of Clinical Pharmacology and Therapeutics, New Orleans, LA, March, 1998
107. Clinical Manifestations of Cocaine and Five Metabolites in A drug Abusing Population  
Blaho K, **Logan BK**, Winbery S, Geraci S, American Society of Clinical Pharmacology and Therapeutics, New Orleans, LA, March, 1998
108. Lack of Correlation Between Clinical Symptoms, Treatment Modalities, and Cocaine Blood Concentrations.  
Blaho K, Winbery S, **Logan BK**, Geraci S, American Society of Clinical Pharmacology and Therapeutics, New Orleans, LA, March, 1998
109. Cocaine Metabolite Levels Fail to Correlate with EKG Symptoms or Changes  
Geraci S, Blaho K, Winbery S, **Logan BK** American Society of Clinical Pharmacology and Therapeutics, New Orleans, LA, March, 1998
110. Ocular Findings in Cocaine Abusing Patients Presenting to an Inner City Emergency Department.  
Blaho K, Winbery S, Park L, **Logan BK**  
Association for Research in Vision and Ophthalmology, Lauderdale, FL, May, 1998
111. Alcohol Content of Beer and Malt Beverages - Forensic Considerations  
Case GA, **Logan BK** International Association for Chemical Testing, Las Vegas, NV, April, 1998
- 112.\* Legal Issues Associated with Drug Use, Drug Abuse and Drug Testing  
**Logan BK.** Postgraduate Seminar Series, The Washington Institute, Washington State Hospital, Steilacoom, WA, May, 1998
- 113.\* Medico Legal Intoxication - A Growing Problem  
**Logan BK.** Postgraduate Seminar Series, The Washington Institute, Washington State Hospital, Steilacoom, WA, May, 1998
- 114.\* The Downside of Methamphetamine.  
**Logan BK.** International Association of Chiefs of Police, DRE Training Conference, Portland, OR, June, 1998
- 115.\* Pharmacology of Methamphetamine and its Relationship to Human Behavior Impairment  
**Logan BK.** The Effects of Alcohol and Drugs on Human Performance and Behavior, American Academy of Forensic Sciences/California Association of Toxicologists, UCLA, CA, August, 1998
116. Death of an Infant Involving Benzocaine  
Gordon A M, **Logan BK.** Society of Forensic Toxicology/TIAFT, Albuquerque, NM, October, 1998

117. Cocaine Half Lives in Drug Abusing Patients Presenting to an Inner City Emergency Department  
Blaho K, Winbery S, **Logan BK**, Park LJ, Karch SA. Society of Forensic Toxicology/TIAFT, Albuquerque, NM, October, 1998
118. Lessons Learned from an Unexplained Hospital Death  
Blaho K, Winbery S, Park LJ, Karch SA, **Logan BK**, Gunther W  
Society of Forensic Toxicology/TIAFT, Albuquerque, NM, October, 1998
- 119.\* The Drugged Driver: Science, Detection and the Law  
Moczula B, **Logan BK**, Page T 1998 National Safety Council Congress and Exposition  
Los Angeles, CA, October, 1998
120. Statistical Analysis of Duplicate Blood Alcohol Data from a Forensic Toxicology Laboratory.  
Gullberg RG, **Logan BK** American Academy of Forensic Sciences, Orlando, FL,  
February, 1999
121. Comparison of DRE Opinion and Toxicology Results in 204 Consecutive Cases.  
Schwilke GS, **Logan BK** American Academy of Forensic Sciences, Orlando, FL,  
February, 1999
122. Carisoprodol (Soma®), Meprobamate (Miltown®, Equanil®) and Driving Impairment.  
**Logan BK**, Case GA American Academy of Forensic Sciences, Orlando, FL,  
February, 1999
- 123.\* Common DUI Defense Challenges.  
in Breath Alcohol Testing for Forensic Purposes - Principles, Practice and Present  
Status. AW Jones, Chair. **Logan BK**. International Association of Forensic Sciences.  
15th Triennial meeting, University of California, Los Angeles, CA, August, 1999
- 124.\* Stimulants and their Effects on Human Performance and Behavior.  
in The Effects of Drugs on Human Performance and Behavior. V Spiehler, Chair.  
**Logan BK**. International Association of Forensic Sciences. 15th Triennial Meeting,  
University of California, Los Angeles, CA, August, 1999
125. Determination of GHB in Clinical and Postmortem Specimens.  
Couper FJ, **Logan BK** Society of Forensic Toxicologists, Puerto Rico, October, 1999
126. Pharmacological Facilitation of Robbery: Analysis of Two Cases from the Emergency Department  
Blaho KE, Park LJ, **Logan, BK**, Winbery SL Society of Forensic Toxicologists, Puerto  
Rico, October, 1999
127. CNS Catastrophes Presenting as a Common Adverse Event to Acute Cocaine Abuse  
Winbery SL, Blaho KE, **Logan BK**, Schwilke EW, Karch SB Society of Forensic  
Toxicologists, Puerto Rico, October, 1999
128. Carisoprodol (Soma®), Meprobamate (Miltown®, Equanil®) in Driving Impaired Cases  
**Logan BK**, Walls HC, Marinetti L Society of Forensic Toxicologists, Puerto Rico,  
October, 1999

- 129.\* Meth, Mothers Milk, and Murder  
**Logan BK.** American Academy of Forensic Sciences Annual Meeting, 52nd Annual Meeting, Reno, NV, February, 2000
130. Zolpidem and Driving Impairment  
**Logan BK,** and Couper FJ American Academy of Forensic Sciences Annual Meeting, 52nd Annual Meeting, Reno, NV, February, 2000
131. Determination of Drug Use in Tractor Trailer Drivers: "Operation Trucker Check"  
Couper FJ, Jarvis A, **Logan BK** American Academy of Forensic Sciences Annual Meeting, 52nd Annual Meeting, Reno, NV, February, 2000
132. Proficiency Test Results Among Several Forensic Breath Alcohol Test Instruments  
Case G, **Logan BK,** Gullberg R International Association for Chemical Testing, Halifax, Nova Scotia, April, 2000
133. Carisoprodol (Soma®), Meprobamate (Miltown®, Equanil®) and Driving Impairment  
**Logan BK.** International Consultative Meeting on Drugs and Driving Impairment, Seattle, WA, August, 2000
134. Methamphetamine and Driving Impairment  
**Logan BK.** International Consultative Meeting on Drugs and Driving Impairment, Seattle, WA, August, 2000
- 135.\* Amphetamines: An Update  
**Logan BK.** Society of Forensic Toxicologists, Milwaukee, WI, October, 2000
136. Driving Under The Influence of GHB  
Couper F, **Logan BK** Society of Forensic Toxicologists, Milwaukee, WI, October, 2000
137. Cocaine and Metabolite Concentrations After Swallowing Illicit Cocaine  
**Logan BK,** Blaho K, Winbery S, Schwilke EW, Harruff R Society of Forensic Toxicologists, Milwaukee, WI, October, 2000
138. Detection of Nefazodone (Serzone) in Whole Blood by Gas Chromatography/Mass Spectrometry  
Schwilke EW, Friel PN, **Logan BK.** Society of Forensic Toxicologists, Milwaukee, WI, October, 2000
139. Cardiomyopathy in Young Cocaine Abusing Patients Presenting to an Inner City Emergency Department  
Winbery S, Blaho K, Park L, **Logan BK,** Karch S Society of Forensic Toxicologists, Milwaukee, WI, October, 2000
- 140.\* Amphetamines: An Update  
**Logan BK.** Northwest Association of Forensic Scientists, Seattle, WA, October, 2000
- 141.\* DUID in Washington: Challenges and Strategies  
**Logan BK.** Washington Traffic Safety Conference, Olympia, WA, December, 2000

142. Case Reports of Drivers Impaired by MDMA  
**Logan BK.** American Academy of Forensic Sciences, Seattle, WA, February, 2001
143. Drugs, Driving, and Human Performance Testing  
**Logan BK.** American Academy of Forensic Sciences, Seattle, WA, February, 2001
144. The Tragedy of Hate Crime and the Response of the Forensic Sciences  
**Logan BK.** American Academy of Forensic Sciences, Seattle, WA, February, 2001  
(chair)
- 145.\* Assessing Challenges to Blood and Breath Alcohol Tests  
**Logan BK.** Los Angeles Superior Court Judicial DUI Seminar, Oxnard, CA, March, 2001
- 146.\* Drugs and Driving  
**Logan BK.** California Association of Toxicologists, Berkeley, CA, August, 2001
- 147.\* Clinical Pharmacology and Analytical Toxicology of Amphetamines  
**Logan BK.** International Congress of Therapeutic Drug Monitoring & Clinical Toxicology, Washington DC, September, 2001
148. Methamphetamine and Driving Impairment Revisited  
**Logan BK.** Society of Forensic Toxicologists, New Orleans, LA, October, 2001
149. Methadone Findings in Drivers and Post Mortem Cases in Washington State  
Gordon A, Friel P, **Logan BK.** Society of Forensic Toxicologists, New Orleans, LA, October, 2001
150. Addicted to DUI – a GHB/GBL Case Report  
Couper F, **Logan BK.** Society of Forensic Toxicologists, New Orleans, LA, October, 2001
151. Issues Related to Simulator Solution Temperature Measurement in a Breath Alcohol Simulator  
**Logan BK,** Gullberg RG American Academy of Forensic Sciences, Atlanta, GA, February, 2002
152. CNS Stimulants Impair Driving, but Blood Concentrations do not Predict Specific Effects  
**Logan BK.** American Academy of Forensic Sciences, Atlanta, GA, February, 2002
- 153.\* The Professional Practice of Forensic Toxicology - 2002  
**Logan BK.** American Academy of Forensic Sciences, Atlanta, GA, February, 2002
- 154.\* MDMA and Methamphetamine  
**Logan BK,** and Raymon L. Society of Forensic Toxicologists, Dearborn, MI, October, 2002
155. Reported Death by Ingestion of 2,4-Dinitrophenol  
Miranda EJ, **Logan BK.** Society of Forensic Toxicologists, Dearborn, MI, October, 2002



156. Significance of Cyclobenzaprine in Death Investigation and Impaired Driving Cases in Washington State  
Gordon AM, **Logan BK**. Society of Forensic Toxicologists, Dearborn, MI, October, 2002
157. The Toxicological Significance of Tramadol in Death Investigation and Impaired Driving Cases  
Thatcher JE, Lacey M, Fligner CL, Thiersch N, Howard J, **Logan BK**, American Academy of Forensic Sciences, Chicago, IL, February, 2003
158. Methamphetamine in Fetal and Infant Deaths in Washington State  
Gordon AM and **Logan BK** American Academy of Forensic Sciences, Chicago, IL, February, 2003
- 159.\* Forensic Toxicology of Methamphetamine  
**Logan BK** Public Defenders Association CLE, Gonzaga University Law School, Spokane, WA, and Tacoma, WA, March, 2003
- 160.\* Drugs and Driving: "What BAC Is That Equivalent To?" and Other Unlikely Questions.  
**Logan BK** California Association of Toxicologists, Albuquerque, NM, May, 2003
- 161.\* Drugs and Driving: What Does the Future Hold for Washington?  
**Logan BK** Washington Drug Recognition Program Regional Representatives Meeting, Leavenworth, WA, May, 2003
- 162.\* CNS Stimulants Impair Driving, but Blood Concentrations do not Predict Specific Effects.  
**Logan BK** IACP Western Regional Drug Recognition Expert Conference, Vancouver, WA, September, 2003
- 163.\* Methamphetamine: Forensic Science in Washington Meeting the Challenge  
**Logan BK**, Gordon AM Governors Methamphetamine Coordinating Committee Methamphetamine Summit, Vancouver, WA, September, 2003
- 164.\* DUID Toxicology: Progress and Future Directions  
**Logan BK** NSC/SOFT/AAFS workgroup on per se drug impaired driving legislation. Portland, OR October, 2003
165. A Short Series of Deaths involving MDMA  
**Logan BK**, Luthi R, Gordon AM Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
166. The Presence of N-Methyl-1-(1-(1,4 cyclohexadienyl))-2-propanamine, a Birch Reduction Product, in Methamphetamine Positive Toxicology Samples.  
Marshall WP and **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
167. Driver Behavior, Responses and Performance with Blood Alcohol Concentration (BAC) Greater than 0.30g/100mL.  
Pemberton ML, **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003

168. Changes in Patterns of Drug and Alcohol Use in Fatally Injured Drivers in Washington State  
Schwilke EW, dos Santos IS, **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
169. Lorazepam and Driving Impairment  
Thatcher JE, Gordon AM, **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
170. Phencyclidine Findings in Drivers in Washington State  
Gordon AM and **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
171. Driving Under the Influence of Ephedrine  
Wilson M, Friel PN, Gordon AM, **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
172. Multiplexed CYP 2D6 \*3 \*4 and \*5 Polymorphism - Real Time PCR for Application in Forensic Pathology/Toxicology Methamphetamine/MDMA Cases  
Wagner MA, Sakallah S, Gordon AM, **Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
- 173.\* Neurobiology of Depression and Pharmacology of Antidepressants  
**Logan BK** Society of Forensic Toxicologists Annual Meeting, Portland, OR, October, 2003
- 174.\* Stimulant Use and Road User Behavior  
**Logan BK** The International Association of Forensic Toxicologists Annual Meeting, Melbourne, Australia, November, 2003
175. Methadone Concentrations in a Treatment population, Impaired Drivers, and Death Investigation Cases.  
**Logan BK** and Gordon AM The International Association of Forensic Toxicologists Annual Meeting, Melbourne, Australia, November, 2003
176. Ecstasy Use, Multiple Perspectives Shed Light on use of 'Club Drug': Youth, Young adults and MSM in Seattle  
Caleb Banta-Green, MPH, MSW, Gary Goldbaum, MD, MPH, Susan Kingston, BS, Michael Hanrahan, BA, Richard Harruff, MD, PhD, **Logan BK**, Matthew Golden, MD, MPH, 131<sup>st</sup> Annual Meeting of APHA, November 17, 2003
- 177.\* Depression and Antidepressant Drugs  
**Logan BK** 18<sup>th</sup> Annual Impaired Driver Conference, Washington Traffic Safety Commission, Skamania Lodge, Stevenson, WA, December 2, 2003
- 178.\* Drug Impaired Driving: The Second Front  
**Logan BK** 18<sup>th</sup> Annual Impaired Driver Conference, Washington Traffic Safety Commission, Skamania Lodge, Stevenson, WA, December 4, 2003

- 179.\* Drug Facilitated Sexual Assault  
**Logan BK** Forensic Investigation of Sexual Assault Conference, Spokane, WA  
December 16 - 17, 2003
- 180.\* Lorazepam and Driving Impairment  
**Logan BK, Thatcher JE** Transportation Research Board, TRB Committee on Alcohol,  
Other Drugs and Transportation (A3B10), Washington DC, January, 2004
181. Methadone Concentrations in Treatment, Impaired Driving, and Death Populations.  
Gordon AM, **Logan BK** American Academy of Forensic Sciences, Dallas, TX,  
February, 2004
- 182.\* Toxicology, Technology and Drugged Driving Laws  
**Logan BK** Plenary Lecture - Symposium on Developing Global Strategies for  
Identifying, Prosecuting, and Treating Drug-Impaired Drivers, Tampa, FL,  
February, 2004
- 183.\* Drug and Alcohol Impaired Driving  
**Logan BK** Washington State Liquor Control Board, Everett, WA, February, 2004
- 184.\* Forensic Toxicology Workshop  
**Logan BK** Two-day NFSTC toxicology workshop, Ventura County, CA, April, 2004
- 185.\* Research in Impaired Driving Toxicology  
**Logan BK** IACP DRE Conference for Governors Highway Safety Representatives.  
Alexandria, VA, May, 2004
- 186.\* Opportunities for Greater Interaction between DREs and Toxicologists  
**Logan BK** IACP Technical Advisory Panel, Alexandria, VA, May, 2004
- 187.\* Improving the Integration of DRE, Investigative, and Toxicological Evidence in Drug  
Impaired Driving Prosecutions.  
**Logan BK** NHTSA/NSC symposium, Seattle, WA, May, 2004
188. An Online Database of Breath Alcohol Test Data for Public Information and Discovery  
Purposes.  
**Logan BK, Noedel J, Gullberg RG** International Council on Alcohol Drugs and Traffic  
Safety, Glasgow, Scotland, August, 2004
189. Changing Patterns of Alcohol and Drug Use in Fatally Injured Drivers in Washington  
State 1992-2003  
**Logan BK, Schwilke EW** International Council on Alcohol Drugs and Traffic Safety,  
Glasgow, Scotland, August, 2004
- 190.\* Diagnosing Drug Impaired Drivers – Stimulants and Driving  
**Logan BK** International Council on Alcohol Drugs and Traffic Safety, Glasgow,  
Scotland, August, 2004
- 191.\* Diagnosing Drug Impaired Driving –Plenary Session  
**Logan BK** International Council on Alcohol Drugs and Traffic Safety, Glasgow,  
Scotland, August, 2004

192. Toxicology of Methamphetamine and Related By-Products  
**Logan BK** FBI Laboratory Symposium on Forensic Toxicology, Washington DC, August, 2004
193. Methamphetamine Detection in Urine of Children Co-Existing with Clandestine Methamphetamine Manufacturing  
Gordon AM, **Logan BK** Society of Forensic Toxicologists/TIAFT Annual Meeting, Washington DC, August, 2004
194. Lorazepam and Death Investigation  
Clarkson JE, Gordon AM, **Logan BK** Society of Forensic Toxicologists/TIAFT Annual Meeting, Washington DC, August, 2004
- 195.\* Methamphetamine Evidence in Children  
**Logan BK** Washington Association of Prosecuting Attorneys, Leavenworth, WA, September, 2004
- 196.\* Forensic Science in the State of Washington  
**Logan BK**, Judicial Education DUI Forum, Lynnwood, Olympia, Spokane, WA, September – October, 2004
- 197.\* Drug Use by Drivers: Principal Drugs in Common Use  
**Logan BK** Countermeasures XV, Toronto, ON, November, 2004
- 198.\* Toxicology, Technology and Drug Driving Laws  
**Logan BK** Countermeasures XV, Toronto, ON, November, 2004
- 199.\* Stimulants and Driving Impairment  
**Logan BK** Arizona Department of Public Safety, Phoenix, AZ, November, 2004
- 200.\* Sampling in Forensic Toxicology.  
**Logan BK** Evidence Based Forensic Medicine. American Academy of Forensic Sciences, New Orleans, LA, February, 2005
201. Topiramate: Positive Death Investigation and Impaired Driving Cases in Washington State  
Gordon AM, **Logan BK** American Academy of Forensic Sciences, New Orleans, LA, February, 2005
- 202.\* DUID Enforcement Issues  
**Logan BK** Transportation Research Board, Committee on Alcohol Drugs and Transportation, Woods Hole, MA, June, 2005
- 203.\* Adverse Effects of Stimulants and Marijuana on Driving  
**Logan BK** International Association of Forensic Sciences, Hong Kong, PRC, August, 2005
- 204.\* Approaches to Drug Impaired Driving – The North American Experience  
**Logan BK** International Association of Forensic Sciences, Hong Kong, PRC, August, 2005.

- 205.\* Marijuana and Effects on Driving  
**Logan BK** Washington State Patrol Forensic Laboratory Services Bureau Brown Bag, September, 2005
- 206.\* Stimulants and Driving  
**Logan BK** Society of Forensic Toxicologists, Nashville, TN, October, 2005
- 207.\* Postmortem Redistribution of Drugs  
**Logan BK** Society of Forensic Toxicologists, Nashville, TN, October, 2005
- 208.\* Trends in Alcohol and Drug Impaired Driving  
**Logan BK** Alaska Highway Safety Office, Law Enforcement Training Conference, Anchorage, AK, November, 2005
- 209.\* Combined Drug and Alcohol Use in Drivers Suspected of Vehicular Assault and Homicide.  
**Logan BK** 2006 Impaired Driver Conference, Washington Traffic Safety Commission. Stevenson, WA, December, 2005
- 210.\* Drug and Alcohol Use in Drivers Suspected of Vehicular Assault and Homicide  
**Logan BK** Washington State Impaired Driver Conference, Skamania Lodge, December, 2005
211. Combined Drug and Alcohol Use in Drivers Suspected of Vehicular Assault and Homicide  
**Logan BK** Transportation Research Board, Washington, DC, January, 2006
212. Combined Drug and Alcohol Use in Drivers Suspected of Vehicular Assault and Homicide.  
**Logan BK**, Barnes L American Academy of Forensic Sciences, Annual Meeting, Seattle, WA, February, 2006
213. Application of Huestis Models for the Prediction of Time of Marijuana Exposure from Blood of Drivers Arrested for DUI  
 Gordon AM, **Logan BK** American Academy of Forensic Sciences, Annual Meeting, Seattle, WA, February, 2006
- 214.\* Alcohol Drugs and Driving – Contribution of Forensic Science.  
**Logan BK** University of Washington, Mini-Med School. March, 2006
- 215.\* Combined Drug and Alcohol Use in Drivers Suspected of Vehicular Assault and Homicide.  
**Logan BK** 2006 Lifesavers Conference, Austin, TX, June, 2006
- 216.\* The Downside of Methamphetamine  
**Logan BK** DRE National Conference, Kansas City, MO, June, 2006
- 217.\* Drug Impaired Driving: Importance of Toxicology in Assessing the Problem and Developing Countermeasures  
**Logan BK** 2006 McGovern Award Dinner, Cosmos Club, Washington DC, June, 2006

218. Driving Impairment from Dextromethorphan Abuse  
**Logan BK** The International Association of Forensic Toxicologists, Ljubljana, Slovenia, September, 2006
219. Application of Huestis Models for the Prediction of Time of Marijuana Exposure from Blood of Drivers Arrested for DUI  
Gordon AM, **Logan BK** The International Association of Forensic Toxicologists, Ljubljana, Slovenia, September, 2006
- 220.\* Toxicological Issues in Drugged Driving Research  
**Logan BK** “Developing Standards for Research in Drugged Impaired Driving: Experts Meeting” International Invitational Symposium sponsored by European Union, National Institute on Drug Abuse – International Programs, Talloires, France, September, 2006
- 221.\* Consequences of Methamphetamine Exposure in Children  
**Logan BK** CLE Seminar, Washington Association of Prosecuting Attorneys, Leavenworth, WA, September, 2006
- 222.\* Update on Drug Impaired Driving  
**Logan BK** 19<sup>th</sup> Annual Washington Traffic Safety Commission Impaired Driver Conference. SeaTac, WA, December, 2006.
- 223.\* Forensic Toxicology of Methamphetamine  
**Logan BK**, Miami Dade County Medical Examiners Office, Miami, FL, December, 2006
- 224.\* Drugs in Drivers – Effects and Consequences  
**Logan BK**, Lethal Weapon Training, Santa Fe, NM, February, 2007
225. Methadone and Driving Impairment  
Gordon AM **Logan BK** American Academy of Forensic Sciences, San Antonio, TX, February, 2007
- 226.\* The Pharmacology of SSRI related Drugs.  
**Logan BK** in Investigating SSRI related deaths: Are the Drugs Really to Blame or is this a Matter of Science Versus the Law? American Academy of Forensic Sciences, San Antonio, TX, February, 2007
227. The Role of Methamphetamine in Cause and Manner of Death – An Update  
**Logan BK**, Banta-Green CM, Miller S, and Gordon AM  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA, August, 2007
228. Postmortem Cesium Concentrations in a Cancer Patient: A Case Report  
Nuwayhid N, Wickham D, Ann Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA, August, 2007
229. An Examination of 1, 1-Difluoroethane in Traffic Cases  
Thatcher JE, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA, August, 2007

230. Blood Drug Concentrations of Frequently Encountered Drugs in Impaired and Fatally Injured Drivers **Logan BK**, Gordon AM, and Loew S  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA, August, 2007
231. Recommendations for Toxicological Investigation of Drug Impaired Driving  
Farrell LJ, Kerrigan SJ, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA, August, 2007
232. Suicidal Drug Ingestion Involving Zaleplon  
Swenson S, Lacy JM, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT meeting, Seattle, WA 98134, August, 2007
233. Case Report of a Multidrug Intoxication Fatality Involving GHB  
Akins BE, Miranda E, Lacy JM, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT meeting, Seattle, WA 98134, August, 2007
234. Death and Brain Injury From an Apparent Intentional Methomyl Poisoning  
Louis Asa, Fusaro A, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT meeting, Seattle, WA 98134, August, 2007
235. A Series of 1,1-Difluorethane Related Deaths  
Johnston C, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT meeting, Seattle, WA 98134, August, 2007
236. A Short Series of Toluene Impaired Drivers  
Capron B, Gordon AM, and **Logan BK**  
T2007 – Joint ICADTS/TIAFT meeting, Seattle, WA 98134, August, 2007
- 237\*. Stimulants and the assessment of risk for accident involvement  
**Logan BK** in Risk Assessment for Priority Drugs involved in Impairment  
T2007 – Joint ICADTS/TIAFT Meeting, Seattle, WA 98134, August, 2007
- 238\*. Topics in Drug Impaired Driving for DRE programs  
**Logan BK**, CA Highway Patrol in Service, Ontario, CA, September, 2007
- 239\*. Drug testing in human participants in animal sports.  
**Logan BK**, National In-Service for Horeseracing Stewards, Kent, WA, October, 2007
- 240\*. Inhalants and Impaired Driving: A Challenge for Toxicologists, Law Enforcement and the Courts  
**Logan BK**, Thatcher JE, Capron B. 20<sup>th</sup> Annual Impaired Driver Conference,  
Washington Traffic Safety Commission, SeaTac, WA, December, 2007
- 241\*. Historical Perspectives on Human Performance Forensic Toxicology  
**Logan BK**, Historical Perspectives on Forensic Toxicology, American Academy of  
Forensic Sciences, Washington DC, February, 2008
- 242\* Development of Recommendations for Screening and Confirmation Thresholds in Impaired Operator Toxicology Casework  
**Logan BK**, Civil Aviation Medical Institute, Oklahoma City, OK, May, 2008

- 243\* Approaches to Assessing Drug Related Driving Impairment  
**Logan BK**, North American Congress on Clinical Toxicology, Toronto, Canada, September, 2008
- 244\* Pharmacological Effects on Alcohol and Drugs on Driving  
**Logan BK**, National Judicial College, Reno, NV, October, 2008
- 245\* Toxicology for Pathologists  
**Logan BK**, National Forensic Science Technology Center, Largo, FL, October, 2008
- 246 Alcohol and Drug Use Among Motorcycle Fatalities in Washington State from 2005-2007  
 Peterson B, Turcott M, **Logan BK**, Society of Forensic Toxicologists, Annual Meeting, Phoenix, AZ, October, 2008
- 247 Contribution of Fruit Consumption to Ethanol Breath Measurement  
 Louis A, **Logan BK**, Couper F, Society of Forensic Toxicologists, Annual Meeting, Phoenix, AZ, October, 2008
- 248\* Human Performance Toxicology  
**Logan BK**, Society of Forensic Toxicologists, Student Enrichment Program, Phoenix AZ, October, 2008
- 249\* Methamphetamine and Designer Amphetamines: Case Studies  
**Logan BK**, Society of Forensic Toxicologists, "The "Stimulating" Realm of Sympathomimetic Amines and Tryptamines", Phoenix, AZ, October, 2008
- 250 Priority Drug Classes in DUID Investigations  
**Logan BK**, Society of Forensic Toxicologists, "The Borkenstein Course on Drugs and Their Effects on Human Performance and Behavior – A Sampler" Phoenix AZ, October, 2008
- 251\* Dextromethorphan Forensic Pharmacology and Toxicology  
**Logan BK**, Emergency Medicine Residents Program, Drexel University Medical School, January, 2009
- 252\* Assessment of Drugs and Driving Impairment  
**Logan BK**, 50<sup>th</sup> Anniversary of Toxicology Symposium, University of Glasgow, Scotland, March, 2009.
- 253\* Toxicology for Capital Litigators, and Toxicology of Lethal Injection  
**Logan BK**, NCSTL/Stetson University Forensic Science for Capital Litigators, Tampa FL, May, 2009
- 254\* Developing Protocols to Assess the Potential of Drugs to Impair Driving - A Combined Behavioral, Toxicology/Pharmacology and Epidemiology Approach  
**Logan BK**, Kay, G, National Academies of Sciences, Transportation Research Board, Committee on Alcohol, Drugs and Traffic Safety, Woods Hole, MA, September, 2009
- 255\* The Art and Science of Forensic Toxicology  
**Logan BK**, Penn State University, Forensic Science Lecture Series, State College, PA, September, 2009



- 256\* DRE Refresher Training  
**Logan BK** Indiana Law Enforcement Training Center, Indianapolis, IN, October, 2009
- 267 Butalbital and Driving Impairment  
**Logan BK**, Society of Forensic Toxicologists, Oklahoma City, OK, October, 2009
- 268 Drugs and Other Xenobiotics : Factual Issues  
**Logan BK**, in ABFT Preparation Workshop, Society of Forensic Toxicologists, Oklahoma City, OK, October, 2009
- 269\* Toxicology and the Role of the Toxicologist in DUI Litigation  
**Logan BK**, Pennsylvania DA's Association, State College PA, November, 2009
- 270\* Pharmacology and Chemistry of Ethanol  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, Baltimore MD, November, 2009
- 271\* Ethanol Pharmacokinetics  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, Baltimore MD, November, 2009
- 272\* Analysis of Alcohol in Blood and Breath  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, Baltimore MD, November, 2009
- 273\* Forensic Toxicology: Capital Litigation and Lethal Injection  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, Baltimore MD, November, 2009
- 274\* An ABFT perspective on Method Validation in Forensic Toxicology  
**Logan BK**, California Association of Toxicologists, November, 2009
- 275\* Method Validation in Forensic Toxicology  
**Logan BK**, American Association of Clinical Chemists, PA Local Section Education Program, Philadelphia, PA, December, 2009
- 276\* Method Validation in Forensic Toxicology  
**Logan BK**, Indiana University, Department of Toxicology and Pharmacology, IUPUI, Indianapolis, January, 2009
- 277\* Developments in DUI Toxicology, Drug Abuse, and Forensic Biology  
**Logan BK**, West Virginia Prosecuting Attorney's Association, Charlestown, WV, January, 2009
- 278\* Salvia Divinorum: Effects and Legal Status  
**Logan BK** NMS Labs Webinar Series, March, 2010 ([Archived](#))
- 279 Propofol: Analytical & Interpretive Challenges  
Kacinko SL, **Logan BK**, American Academy of Forensic Sciences, Seattle, WA, February, 2010

- 280\* Stimulants and Depressants – A Dangerous Mix  
**Logan BK**, 16th National IACP DRE Conference, Pittsburgh, PA, August, 2010
- 281 Approaches to Estimating Measurement Uncertainty in Forensic Breath Alcohol Analysis  
**Logan BK**, T2010 International Council on Alcohol Drugs and Traffic Safety, Oslo, Norway, August, 2010
- 282 Case Reports of Impaired Driving Resulting from Butalbital Use  
**Logan BK**, T2010 International Council on Alcohol Drugs and Traffic Safety, Oslo, Norway, August, 2010
- 283 How to develop your career path and/or leadership potential  
**Logan BK**, T2010 International Council on Alcohol Drugs and Traffic Safety, Oslo, Norway, August, 2010
- 284\* Salvia and Synthetic Cannabinoids: The Latest Challenges in Forensic Chemistry and Toxicology  
**Logan BK**, Southern Association of Forensic Sciences (SAFS), Tunica, MS, September, 2010
- 285\* Discussing Strengthening Forensic Sciences in the United States: A Path Forward  
**Logan BK**, Southern Association of Forensic Sciences (SAFS), Tunica, MS, September, 2010
- 286\* Panel: To quantitate or not to quantitate?  
**Logan BK**. Panel discussion on DUID Toxicology, California Association of Toxicologists (CAT), Anaheim, CA, November, 2010
- 287\* Panel: When is one qualified to render an opinion?  
**Logan BK**. Panel discussion on DUID Toxicology, California Association of Toxicologists (CAT), Anaheim, CA, November, 2010
- 288\* Defining and Determining Impairment due to Opiates and Other Drugs  
**Logan BK** American College of Medical Toxicologists. Opioids Seminar, Philadelphia PA, November, 2010
- 289\* Panel Discussion: Expert Testimony: Deposition and Trial Testimony  
McKay C, Brent J, **Logan BK** American College of Medical Toxicologists. Opioids Seminar, Philadelphia, PA, November, 2010
- 290\* Pharmacology and Chemistry of Ethanol  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, San Francisco, CA, December, 2010
- 291\* Ethanol Pharmacokinetics  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, San Francisco, CA, December, 2010
- 292\* Analysis of Alcohol in Blood and Breath  
**Logan BK**, American College of Medical Toxicology, Forensic Workshop, San Francisco, CA, December, 2010

- 293 Framework for Assessing the Potential of Drugs and Medications to Impair Driving: Multidisciplinary Effort. 2) Pharmacological and Toxicological Review  
**Logan BK** Transportation Research Board of the National Academies, Washington DC, January, 2011
- 294 Synthetic Cannabinoids: A Controlled Administration Study  
**Logan BK.** American Academy of Forensic Sciences (AAFS) Workshop: K2 and Beyond: A Synthetic Cannabinoid Primer, Chicago, IL, February, 2011
- 295 Identification of Synthetic Cannabinoids in K2 Herbal Incense and Drug Paraphernalia by TLC, GCMS, LCMSMS, and LCTOF  
**Logan BK,** Reinhold LE, Diamond FX, Xu A American Academy of Forensic Sciences (AAFS) Chicago, IL, February, 2011
- 296 Identification of Markers of JWH-018 and JWH-073 Use in Human Urine  
Kacinko SL, Xu A McMullin MM, **Logan BK** American Academy of Forensic Sciences (AAFS) Chicago, IL, February, 2011
- 297 Analysis and Stability Determination of Salvinorin A and B in Human Blood, Plasma, and Urine by Liquid Chromatography Tandem Mass Spectrometry  
**Logan BK,** Xu A, McMullin MM American Academy of Forensic Sciences (AAFS) Chicago, IL, February, 2011
- 298 Effects of Smoking the Synthetic Cannabinoids JWH-018 and JWH-073 on Human Performance and Behavior: Controlled Administration and DUID Case Reports  
Miles A, **Logan BK,** Xu A, Welsh R, Durbin T American Academy of Forensic Sciences (AAFS) Chicago, IL, February, 2011
- 299\* Interpretation of Post-Mortem Stimulant Laboratory Determinations  
**Logan BK,** American College of Medical Toxicologists, Alexandria, VA, May, 2011
- 300\* Amphetamine-Related "Impairment" and "Reverse Impairment"  
**Logan BK,** American College of Medical Toxicologists, Alexandria, VA, May, 2011
- 301\* Drug Recognition Evaluator (DRE) Program – Program Overview and Scientific Basis  
Woodward T, **Logan BK,** American College of Medical Toxicologists, Alexandria, VA, May, 2011
- 302 Recommendations on National Drugged Driving Policies: Submitted to the Office of National Drug Control Policy  
DuPont RL, **Logan BK,** Talpins SK, Voas RB, College on Problems of Drug Dependence (CPDD), Hollywood, FL, June, 2011
- 303\* Prevention: What more can we do? A Tiered Approach for Assessing the Potential for Drugs and Medications to Impair Driving.  
**Logan BK,** International Symposium on Drugs and Driving, Montreal, Canada, July, 2011

- 304\* Oral Fluid as a Chemical Test for the DRE Program : History, the Future, and Practical Considerations.  
**Logan BK**, 17<sup>th</sup> Annual IACP Training Conference on Drugs, Alcohol, and Impaired Driving, Montreal, Canada, July, 2011
- 305\* The Proliferation, Detection and Abuse of the Synthetic Cannabinoid Agonist JWH-018 and its Chemical Cousins  
**Logan BK**, O'Brien Treatment Research Center, Department of Psychiatry, University of Pennsylvania, August, 2011
- 306 Evaluation of Inhomogeneity of K2 and Synthetic Cannabinoid products sold over the Internet  
O'Hehir M, Sperra J, **Logan BK**, Diamond F, Yeakel J, SOFT/TIAFT San Francisco, CA, September, 2011
- 307 Synthetic Cannabinoids in Whole Blood: Observations from the First Year of Casework  
Graf K, Kacinko S, **Logan BK** SOFT/TIAFT San Francisco, CA, September, 2011
- 308 Synthetic Cannabinoid Use: Experience with Urine Drug Testing.  
Kacinko S, **Logan BK** SOFT/TIAFT San Francisco, CA, September, 2011
- 309\* Detection of Synthetic Cannabinoids by LCMSMS  
**Logan BK** Waters Corporation Lunch Presentation SOFT/TIAFT San Francisco, CA September, 2011
- 310\* The Proliferation, Detection and Abuse of the Synthetic Cannabinoid Agonist JWH-018 and its Chemical Cousins  
**Logan BK** University of Pennsylvania, Department of Psychiatry, September, 2011
- 311\* Developments in Detecting Abuse of the Novel Synthetic Cannabinoid Agonists in "Spice"  
**Logan BK**, Drexel University, Department of Pharmacology and Physiology, October, 2011
- 312 The Expanding Reach of the Designer Drug Movement in 2011: Challenges for Forensic Toxicology & Chemistry  
**Logan BK**, NMS Labs Webinar Series, October, 2011
- 313 DUID Testing and Legislation.  
**Logan BK** (Panel), National Conference of State Legislators, Tampa, FL, November, 2011.
- 314 Pharmacokinetics and Pharmacodynamics of Selected Synthetic Cannabinoids in Human Subjects  
Adams WR, **Logan BK**, in Deadly by Design: Forensic Toxicology, Adverse Effects of Synthetic Cannabinoids, and Novel Designer Drugs ("Bath Salts") AAFS, Atlanta GA, February, 2012
- 315\* The Casey Anthony Trial – From the Defense, Medical, and Scientific Viewpoint: Chemical and Toxicological Evidence  
**Logan BK**, AAFS, Atlanta, GA, February, 2012

- 316 Conversion of Codeine to Dihydrocodeine During Toxicological Analysis of Urine  
Wood M; Yeakel J, **Logan BK**, DiGregorio GJ, Barbieri EJ AAFS, Atlanta, GA, February, 2012
- 317 Tools, Techniques, and Findings for the Qualitative Analysis of Delta-9-Tetrahydrocannabinol (THC) in Oral Fluids  
Maggitti AL, **Logan BK**, McMullin MM AAFS, Atlanta, GA, February, 2012
- 318 Assessment of Methods for the Chemical Identification of the Psychoactive Plant Kanna (Sceletium tortuosum)  
Yeakel J, Vent WM; Marcucci KR, Harris HL, **Logan BK** AAFS, Atlanta, GA, February, 2012
- 319 Chemical Characterization of Kratom and Associated Alkaloids  
Scott T, Yeakel JK, **Logan BK**, DiGregorio GJ AAFS, Atlanta, GA, February, 2012
- 320\* K2/Spice, "Bath Salts" & Anabolic Steroids: What do Employers Need to Know about Drugs of Abuse in 2012 ?  
**Logan BK**, Highlands Medical Center, Scottsboro, AL, January, 2012
- 321\* Analytical and Interpretive Challenges with Synthetic Cannabinoids  
**Logan BK**, New Jersey Association of Forensic Sciences; Atlantic City, NJ, May, 2012
- 322 Trends Report on Changes in the Designer Drug Market: Spring 2012  
**Logan BK**, NMS Labs Webinar Series, May, 2012  
<http://www.nmslabs.com/about-webinars-designer-drugs-May-2012>
- 323\* Rise in Synthetic Drug Use at Area High Schools  
**Logan BK**, Upper Merion School District, King of Prussia, PA, May, 2012
- 324 Drug Testing/Laboratory Issues  
**Logan BK**, Society for Prevention Research Annual Meeting (SPR); Evaluating the Current Status and Identifying Future Directions of Drugged Driving, Washington DC, May, 2012
- 325 Testing Strategies to Monitor Novel/Emerging Designer Drug Use in At-Risk Populations  
**Logan BK**, 2012 NIDA International Forum, Palm Springs, CA, June, 2012
- 326 Synthetic Cannabinoids in Blood and Urine: An Update  
**Logan BK**, 2012 SOFT Annual Meeting, Boston, MA, July, 2012
- 327 Roadside Testing for Drugs in Oral Fluid: Validation of Laboratory Confirmation  
**Logan BK**, 2012 SOFT Annual Meeting, Boston, MA, July, 2012
- 328 XLR-11 and UR-144: How the Latest Synthetic Drugs May Beat the Ban  
**Logan BK**, NMS Labs Presentation, Seattle, WA, August, 2012

- 329 Testing for Drugs in the Field and in Laboratories  
**Logan BK**, Moore, CM, Transportation Research Board of the National Academies,  
 Jonsson Center, Woods Hole, MA September, 2012
- 330 The Challenges of Analytical Method Validation for Hallucinogens and Designer  
 Stimulants in Biological Samples Using LC-TOF  
**Logan BK**, Agilent Webinar, October, 2012  
<http://www.nmslabs.com/about-webinars-Agilent-Designer-Stim-October-2012>
- 331 Update on Novel Synthetic Cannabinoids: Detection, Impairment and Adverse Effects  
 Yeakel JK, **Logan BK**, Eastern Analytical Symposium  
 Garden State Exhibit Center, Somerset, NJ, November, 2012
- 331 Increasing Diversity of Chemicals in Synthetic Stimulant and Cathinone Cases  
**Logan BK**, NMS Labs Webinar Series, November, 2012

### **Professional Organizations**

#### ***Current***

- 1984-Present Member, International Association of Forensic Toxicologists (TIAFT)  
 1991-Present Diplomate, American Board of Forensic Toxicology (DABFT)  
 1991-Present Member, National Safety Council, Committee on Alcohol and Other Drugs  
 1995-Present Fellow, American Academy of Forensic Sciences (AAFS)  
 1995-Present Member, the Society of Forensic Toxicologists (SOFT)  
 1997-Present Member, International Association for Chemical Testing (IACT)  
 1998-Present Member, International Council on Alcohol Drugs and Traffic Safety (IACDTS)  
 2002-Present Member, Canadian Society of Forensic Sciences (CSFS)  
 2002-Present Member, American Society of Crime Laboratory Directors (ASCLD)  
 2012-Present Member - New Jersey Association of Forensic Scientists

#### ***Past***

- 1991-99 Member of the Forensic Science Society  
 1991-95 Member of the American Academy of Forensic Sciences  
 1991-94 Washington State Patrol Crime Laboratory Users Committee  
 1991-94 Washington Coalition of Government Laboratory Directors  
 1989-93 Member of the Southern Association of Forensic Science  
 1989-91 American Academy of Forensic Sciences; Provisional Member  
 1986-95 Member, Royal Society of Chemistry (MRSC, C.Chem.)  
 1984-87 Member of the Association of Clinical Biochemists (UK)  
 1984-86 Graduate member of the Royal Society of Chemistry (GRSC)  
 1983-86 Member of the Forensic Science Society