CURRICULUM VITAE

NAME:

Carl Edward Wolf II, Ph.D., M.S., FABFT

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EDUCATIONAL BACKGROUND:

2000 - 2005 **Doctorate of Philosophy,** Forensic Toxicology, Department of Pathology, Medical College of Virginia at Virginia Commonwealth University, Richmond, Virginia.
Dissertation: "Prevalence of Alcohol and Drugs in Second Sample Blood Specimens from Potentially Impaired Drivers in the Commonwealth of Virginia, 2001-2002".

1993 - 1994 **Master of Science**, Forensic Science Option, Department of Administration of Justice, Virginia Commonwealth University, Richmond, Virginia.

1988 - 1993
1998 - 2000 **Special Student**, Medical College of Virginia & Virginia Commonwealth University, Richmond, Virginia.

1986 **Bachelor of Science**, Chemistry
Gannon University, Erie, Pennsylvania

CERTIFICATION:

2014 – Present **Fellow**, American Board of Forensic Toxicology, Inc. Colorado Springs, Colorado.

2012 – 2014 **Diplomate**, American Board of Forensic Toxicology, Inc. Colorado Springs, Colorado.

2001 – 2012 **Forensic Toxicology Specialist**, American Board of Forensic Toxicology, Inc. Colorado Springs, Colorado. Recertified 2006 & 2011.

PROFESSIONAL EXPERIENCE:

1991 - Present **Toxicology Laboratory Supervisor**, Hospital Toxicology & Toxicology Specialty Testing Laboratories, Medical College of Virginia Hospitals and Physicians at VCUHS, Richmond, Virginia. Responsible for overseeing QA/QC, instrument maintenance and repair, method development and validation, and keeping documentation for CAP, CLIA, OSHA and TJC accreditation or compliance. Participate in writing specifications and evaluating new instruments for purchasing. Supervise blood drug testing for Virginia DUI & DUID testing as an accredited independent laboratory. Supervise urine testing for College of American Pathologists (CAP) FDT. Certifying Scientist for forensic testing performed in the laboratory. Testify and consult formally and informally on procedures and methods used in the laboratory for analyzing samples for various drugs. Educate house staff on appropriate testing and interpretation of testing to determine the most effective testing for patient care.

2014 **Lecturer,** Virginia Commonwealth University, Richmond Virginia. Provide lecturing for graduate students in Clinical Laboratory Sciences in Advanced Concepts in Spectrometry and Spectroscopy.

2008 – 2013 **Adjunct Faculty**, Department of Forensic Sciences, Virginia Commonwealth University. Provide lecturing and hands on practical instruction to Senior Undergraduate Forensic Chemistry students in techniques and equipment used to analyze a wide variety of compounds and drugs that a Forensic Chemist may encounter on a daily basis.

2005 – Present **Forensic Toxicologist**, Given expert testimony in the Commonwealth of Virginia and the State of North Carolina relating to Human Performance Toxicology, Forensic Workplace Drug Testing, and Death Investigation Toxicology (Postmortem Toxicology).

2005 - Present **Lecturer,** Virginia Commonwealth University, Richmond Virginia. Provide guest lecturing for graduate students in Forensic Toxicology class in techniques used in the analysis of biological specimens to detect the presence of drugs.

2004 - Present **Mentor,** Virginia Commonwealth University, Richmond Virginia. Provide laboratory training and oversight to undergraduate and graduate students, performing internships and independent study from the Forensic Science Program, in the techniques used in the analysis of biological specimens to detect the presence of drugs.

2002 - 2004	**Instructor,** Virginia Commonwealth University, Richmond, Virginia. Instruct students in Criminalistics & Crime Analysis Laboratory class in the use of various color tests as preliminary screening tools to detect the presence of drugs and compounds in unknown substances.
2000 - Present	**Inspector**, College of American Pathologists, Northfield, IL. Clinical Toxicology and FDT.
1998 - 1999	**Acting Manager and Toxicology Laboratory Supervisor**, Hospital Toxicology & Toxicology Specialty Testing Laboratories, Medical College of Virginia, Richmond, Virginia. Responsible for all lab supervisor duties, as well as all manager duties. Including budget preparation, variances, and day-to-day management of the laboratory.
1993 - 1997	**Instructor**, Bloodborne Pathogen Exposure Control Plan, Department of Pathology, Medical College of Virginia, Richmond, Virginia.
1993	**Chemist**, Scientific Testing Laboratory, Richmond, Virginia, Part-time.
1990 - 1991	**Medical Technologist Senior**, Toxicology Specialty Testing Laboratory, Medical College of Virginia, Richmond, Virginia.
1988 - 1990	**Medical Technologist Senior**, Hospital Toxicology Laboratory, Medical College of Virginia, Richmond, Virginia.
1987 - 1988	**Medical Technologist**, Hospital Toxicology Laboratory, Medical College of Virginia, Richmond, Virginia.

APPOINTMENTS:

2013	**Chair,** Scientific Workshop: Overview & Review of Forensic Toxicology, Society of Forensic Toxicologist Meeting, Orlando, FL, Oct. 2013.
2008 - Present	**Assistant Clinical Professor**, Department of Pathology, School of Medicine, Medical College of Virginia Campus, Virginia Commonwealth University, Richmond, Virginia.
2007 - Present	**Research Assistant Professor,** Department of Forensic Science, Virginia Commonwealth University, Richmond, Virginia
2007 – 2008	**Graduate Faculty, Affiliate,** School of Medicine, Medical College of Virginia Campus, Virginia Commonwealth University, Richmond, Virginia.
2010	**Chair,** Scientific Workshops, Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.
2008	**Chair,** Scientific Workshop: Overview & Review of Forensic Toxicology, Society of Forensic Toxicologist Meeting, Phoenix, AZ, Oct. 2008.
2004 – Present	**Committee Member**, Chronic Non-Malignant Pain Management Curriculum, Department of Internal Medicine, Virginia Commonwealth University Medical Center, Richmond, Virginia. Responsible for providing Toxicology input and resources for the development and updating of a Continuing Education Program for Residents, Interns, and House Staff in the Department of Internal Medicine.
2004 – Present	**Manuscript Reviewer,** Journal of Clinical Laboratory Analysis
1994 - 1997	**Chairman**, Department of Pathology Safety Committee, Medical College of Virginia, Richmond, Virginia. Member of MCVH Standard Precautions Committee, and MCV Hospital Safety Congress. Responsible for communicating safety issues throughout the department, conducting monthly meetings, keeping documentation necessary for CAP, JCAHO, and OSHA accreditation and compliance.

MEMBERSHIPS AND SOCIETIES:

Society of Forensic Toxicologists (SOFT), Full Member

GRANTS AND AWARDS:

2007 School of Medicine Teaching Excellence Award; The Educational Innovation/Educational Research Award, Virginia Commonwealth University School of Medicine, Richmond, Virginia. Chronic Non-Malignant Pain Management Curriculum

Chemical Rubber Company Press' Outstanding Freshman Chemist, Gannon University, 1983.

PUBLICATIONS:

Wolf CE, Poklis JL, Cumpston K, Moss M, Poklis A. Acute Dilated Cardiomyopathy and Myocardial Injury after Combined 4-Fluroamphetamine and Modafinil Ingestion. Drug Testing and Analysis, [in Press]

Chun H-J, Poklis JL, Alphonse Poklis A, Wolf CE. Development and Validation of a Method for Alcohol Analysis in Brain Tissue by Headspace Gas Chromatography with Flame Ionization Detector (HS-GC-FID), J Anal Tox ([n Press].

Peace M, Baird T, Smith N, Wolf C, Poklis J, Poklis A. Concentration of Nicotine and Glycols in 27 Electronic Cigarette Formulations. J Anal Tox. [in Press].

Poklis, JL, Wolf CE, Poklis A. 4-Fluoroamphetamine in Serum and Urine from an Intoxicated Patient with Life-Threatening Hyperpyrexia. J Anal Toxicol 2016 40: 171-172

Maskell, K, Tse, A, Wolf CE; Troendle M. Acute on chronic ivabradine overdose: a case report. Journal of Medical Toxicology. [in Press].

Poklis J, Poklis A, Wolf C , Mainland M, Hair L, Devers K,Chrostowski L, Arbefeville E, Merves M, Pearson J, Postmortem Tissue Distribution of Acetyl Fentanyl, Fentanyl and their Respective Nor-Metabolites Analyzed by Ultrahigh Performance Liquid Chromatography with Tandem Mass Spectrometry, Forensic Science International 257: pp. 435-44, 2015

Poklis JL, Dempsey SK, Liu H, Ritter JK, Wolf C, Zhang S, Poklis A. Identification of Metabolites of the Designer Hallucinogen 25I -NBOMe 5n Mouse Hepatic Microsomal Preparations and Human Urines Associated Clinical Intoxication. J Anal Tox, 39(8): 607-616, 2015

Poklis JL, Wolf CE, Eljordi OI, Liu K, Zhang S, Poklis A. Analysis of the First- and Second-Generation Raving Dragon Novelty Bath Salts Containing Methylone and Pentedrone. J Forensic Sci. 2015, 60:S234-40.

Wolf CE, Goldstein, Poklis JL, A, Poklis A. Evaluation of a Enzyme Immunoassay for the Detection of Methadone Metabolite EDDP [2-Ethylidene-1, 5-dimethyl-3, 3-diphenylpyrrolidine] in Urine. J Clin Lab Anal, 28:136-140, 2014.

Poklis JL, Charles J, Wolf CE, Poklis A. High Performance Liquid Chromatography Tandem Mass Spectrometry Method for the Determination of 2CC-NBOMe and 25I-NBOMe in Human Serum, Biomed Chrom, 2013, 27(12), 1794-800.

Poklis JL, Nanco CR, Troendle M, Wolf CE, Poklis A. Determination of 4-bromo-2,5-dimethoxy-N-[(2-methoxyphenyl)methyl]-benzeneethanamine (25B-NBOMe) in serum and urine by High Performance Liquid Chromatography with Tandem Mass Spectrometry in a Case of Severe Intoxication. Drug Testing and Analysis. 2014, 6, 764.

Poklis JL, Wolf CE, Goldstein A, Wolfe ML, Poklis A. Detection and quantification of tricyclic antidepressants and other psychoactive drugs in urine by HPLC/MS/MS for pain management compliance testing. J Clin Lab Anal. 26(4):286-94, 2012.

Carney S, Wolf CE, Tarnai-Moak L, Poklis A. Evaluation of two enzyme immunoassays for the detection of the cocaine metabolite benzoylecgonine in 1398 urine specimens. J Clin Lab Anal, 26(3):130-5, 2012.

Wolf CE, Kester-Florin SJ, Poklis A. An HPLC-MS method to detect and quantify guanfacine in urine. Clin Chem Lab Med. 50(3):535-7, 2012.

Pearson J, Saady JJ, Fierro M, Wolf C, Poklis A. An unusual case of homicide by chronic methanol poisoning. Forensic Toxicol, 30:66-69, 2012.

DeLong GT, Wolf CE, Poklis A, Lichtman AH. Cannabichromene and Tetrahydrocannabinol Determination in Blood and Brain by Gas Chromatography Mass Spectrometry. J Anal Tox, 35(7):496-500, 2011.

Poklis JL, Guckert B, Wolf CE, Poklis A. Evaluation of a new phencyclidine enzyme immunoassay for the detection of phencyclidine in urine with confirmation by high-performance liquid chromatography-tandem mass spectrometry. J Anal Tox, 35(7):481-6, 2011.

DeLong GT, Wolf CE, Poklis A, Lichtman AH. Pharmacological evaluation of the natural constituent of Cannabis sativa, cannabichromene and its modulation by Δ(9)-tetrahydrocannabinol. Drug Alcohol Depend. Nov 1;112(1-2):126-33, 2010.

Haglock CJ, Wolf CE, Poklis A. A Novel Method for the Determination of Guanfacine in Urine by GC/MS. J Anal Tox, 32(8), 544-546, 2008.

Wolf CE, Poklis A. A Rapid HPLC Procedure for Analysis of Analgesic Pharmaceutical Mixtures for Quality Assurance and Drug Diversion Testing. J Anal Tox, 29(7), 711-714, 2005.

Holstege CP, Ferguson JD, Wolf CE, Baer AB, Poklis A. Analysis of moonshine for contaminants. J Toxicol Clin Toxicol, 42(5):597-601, 2004.

Leffel EK, Wolf CE, Poklis A, White KL. Drinking water exposure to cadmium, and environmental contaminant, results in the exacerbation of autoimmune disease in the murine model. Toxicology, 2-3(188), 233-250, June 2003.

Al-Mateen CS, Wolf CE. Falsely elevated imipramine levels in a patient taking quetiapine. J Am Acad. Child Adolesc. Psychiatry. 41(1): 5-6, 2002.

Wolf CE, Crooks CR, Poklis A. Rapid Gas Chromatographic Procedure for the Determination of Topiramate in Serum, J Anal Tox, 24(7):661-3, 2000.

Wolf CE and Poklis A. GC/MS Analysis for Morphine and other Opiates in Urine, Varian GC/MS Application Note Number 59, 1997.

Ferrell M, Wolf C, Ellenbogen K, Wood M, Clemo H, Gilligan D. Ethylene Oxide on Electrophysiology Catheters following Re-sterilization: Implications for Catheter Reuse, Am J Cardiol, 80:1558-1561, 1997.

Wolf C, Saady J, Poklis A. Determination of Gabapentin in Serum using Solid Phase Extraction and Gas Liquid Chromatography, J Anal Tox 20(6):498 - 501,1996.

O'Neal C, Wolf C, Levine B, Kunsman G, Poklis A. Gas Chromatographic Procedures for Determination of Ethanol in Postmortem Blood using t-butanol and Methyl Ethyl Ketone as Internal Standards. Forensic Science International, 83:31-38, 1996.

Gabapentin in serum, Procedure code: GABACEC18102495, United Chemical Technologies, Inc., 1995.

Saady J, Wolf C, Poklis A. Evaluation of the Acculevel Theophylline Assay. Analytical Letters, 23(11):2019 - 2026, 1990.

ABSTRACTS / PRESENTATIONS:

Wolf CE, Hieger MA, Willis BK, Poklis A. A Crazy Mini-Heroin Epidemic in Richmond, Virginia. American Academy of Forensic Sciences 65th Annual Meeting. Las Vega, NV. Feb. 2016.

Wolf CE, Poklis, JL, Kumpston K, Moss M, Poklis A. Molly Mosquito Detection in Two Cases of Designer Ecstasy Use. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Baird T, Poklis J, Stone JW, Butler KE, Wolf CE, Smith N, Turner JB, Poklis A, and Peace MR. Characterization of Electronic Cigarette Refill Formulations and Dose Capture of Nicotine in Aerosol by DART-AccuTOF MS, HPLC-MS/MS and GC-MS. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Dempsey SK, Poklis JL, Ritter JK, Wolf CE, Poklis A. Identification of Fifteen Metabolites of the Designer Hallucinogen 25I-NBOMe in Human Urine. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Nascimento R, Wolf CE, Poklis A. Evaluation of a Newly Formulated Enzyme Immunoassay for the Detection of Hydrocodone and Hydromorphone in Pain Management Compliance Testing. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Poklis A, Mohr AJ, Poklis JL, Wolf CE. Evaluation of NBOMe Derivatives, 25I-NBOMe, 25B-NBOMe, 25C-NBOMe and 25I-NBOH, Refrigerated Stability in Four Types of Blood Collection Tubes Over a 72 Hour Period. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Poklis J, Poklis A, Wolf CE, Mainland M, Hair L, Devers K,Chrostowski L, Arbefeville E, Merves M, Pearson J, Postmortem Concentrations of Morphine, Fentanyl, Norfentanyl, Acetyl Fentanyl, and Nor-acetyl Fentanyl in Recent Heroin-Related Fatalities. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Poklis, JL, Liu K, Wolf CE, Dempsey SK, Zhang S, Poklis A. The Synthesis of the 2-O-desmethyl and 5-O-desmethyl Metabolites of 25I-NBOME and Their Separation Using Hydrophilic Interaction Chromatography on a UPLC-MS/MS System. Society of Forensic Toxicologists Meeting, Atlanta, GA, Oct. 2015.

Mohs A, Poklis JL, Wolf CE, Peace MR, Poklis A. Detection of Drugs in Pharmaceutical Preparations Where Diversion Can Occur by Direct Analysis in Real-Time AccuTOF™-Mass Spectrometry (DART®-MS) American Academy of Forensic Sciences 65th Annual Meeting. Orlando, FL. Feb. 2015.

Dempsey S; Poklis JL, Wolf CE, Poklis A. The “I’s” Have It: A High-Performance Liquid Chromatography Tandem Mass Spectrometry Method for the Determination of 25I-NBOH, 25I-NBOMe, and 2C-I in Urine. American Academy of Forensic Sciences 65th Annual Meeting. Orlando, FL. Feb. 2015.

Wolf CE, Poklis A. The Role of the Forensic Toxicologist in a Pharmaceutical Drug Diversion Program. Society of Forensic Toxicologists Meeting, Grand Rapids, MI, Oct. 2014.

Nanco CR, Wolf CE, Poklis A. Trends in Driving Under the Influence of Drugs in the Commonwealth of Virginia; Second Sample Drug Testing Program, 1990-2013. Society of Forensic Toxicologists Meeting, Grand Rapids, MI, Oct. 2014.

Dempsey S; Poklis JL, Ritter JK, Wolf CE, Poklis A. The Identification of Metabolites of the Designer Hallucinogen 25I-NBOMe ($-Iodo-2,5-Dimethoxy-N-(2-Methoxybenzyl)-Phenethylamine. Society of Forensic Toxicologists Meeting, Grand Rapids, MI, Oct. 2014.

Wolf CE. HIPs and Bombs (NBOMe): Testing for the Wave of New Designer Drugs. Richmond Chromatography Discussion Group, Richmond, VA. Oct. 2014.

Wolf CE. HIPs and Bombs (NBOMe): Riding the Wave of New Designer Drugs. Waters Corporation MS Users’ Meeting at ASMS, Baltimore MD, June 2014.

Charles J, Poklis JL, Wolf CE, Stromberg P, Cumpston KL, Poklis A. The Identification and Quantification of 25I-NBOMe in two Overdose Cases by High Performance Liquid Chromatograph Tandem Mass Spectrometry Method. Society of Forensic Toxicologists Meeting, Orlando, FL, Oct. 2013.

Nanco C, Troendle M, Poklis JL, Wolf CE, Poklis A. A Case of 4-bromo-2,5-dimethoxy-N-[(2-methoxyphenyl)methyl]-benzeneethanamine (25B-NBOMe) Intoxication: A New Potent 5-HT2A Agonist Designer Drug. . Society of Forensic Toxicologists Meeting, Orlando, FL, Oct. 2013.

Cassatt S, Wolf CE, Poklis A. Identification and Quantification of Tapentadol and N-Desmethyltapentadol in Human Urine Using Gas Chromatography-Mass Spectrometry. American Academy of Forensic Sciences 65th Annual Meeting. Washington, DC. Feb. 2013.

ElJordi OI, Wolf CE, Poklis JL, Poklis A. Evaluation of the Chemical Derivatization of Nine Different Cathinone Bath Salts Analogs. American Academy of Forensic Sciences 65th Annual Meeting. Washington, DC. Feb. 2013.

Poklis JL, Wolf CE, ElJordi OI, Liu K, Zhang S, Poklis A. Analysis and Characterization of the First and Second Generation Raving Dragon Novelty Bath Salts. American Academy of Forensic Sciences 65th Annual Meeting. Washington, DC. Feb. 2013.

Wolf CE, Macek PV, Poklis A. Elimination of Common Interferences by MDGCMS in the Identification and Quantitation of Fentanyl and Norfentanyl in Urine. Society of Forensic Toxicologists Meeting, Boston, MS, Oct. 2012.

Cumpston KL, Wolf CE, Wills BK, Rose R. 1,4-Butanediol Toxicity without Gamma-hydroxybutyrate Toxicity. The American Academy of Clinical Toxicologists Meeting. Washington, DC. Sept. 2011. Clin Tox 49:520, 2011.

Moore KN, Poklis JL, Wolf CE, Poklis A. Determination of Buprenorphine and Norbuprenorphine in Urine Using Benzoyl-chloride Derivatives. Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.

Wolfe ML, Wolf CE, Poklis JL, Poklis A. Analysis of Tricyclic Antidepressants in Urine by LCMSMS. Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.

Dooley PN, Wolf CE, Poklis A. Improved Method for the Analysis of Tramadol and its N and O desmethyl Metabolites in Urine by GCMS. Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.

Gesseck A, Wolf CE, Poklis A. The Availability of Fentanyl from Transdermal Patches in Gastric and Oral Fluid. Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.

Haggerty BJ, Poklis JL, Wolf CE, Wise LE, Wiebelhaus, Lichtman AH, Poklis A. Detection of Cannabimimetic Compounds in Mice Blood after Exposure to “Buzz” Smoke. Society of Forensic Toxicologists Meeting. Richmond, VA. Oct. 2010.

Aiken MJ, Wolf CE, Poklis A. Mother’s Little Helper: Method Development for the Analysis of Benzodiazepines by LCMS. Educational Research Award, Society of Forensic Toxicologists Meeting. Oklahoma City, OK. Oct. 2009.

Bourland J, Gesseck AM, Wolf CE, Poklis A. Evaluation of the Lin-Zhi International Immunoassay for the Detection of Buprenorphine and Norbuprenorphine in Urine. Society of Forensic Toxicologists Meeting. Oklahoma City, OK. Oct. 2009.

Wolf CE. The Aches and Pains of Pain Management Testing in the Laboratory. Richmond Society for Clinical Laboratory Sciences. Richmond, VA, Sept. 2009.

Kester-Florin SJ, Wolf CE, Poklis A. Development and Validation of a LC/MS Method for the Determination of Guanfacine in Urine. American Academy of Forensic Sciences 61st Annual Meeting. Denver, CO. Feb. 2009.

Bourland J, Secor C, Wolf CE, Poklis A. Evaluation of the Lin-Zhi International immunoassay for the Detection of Methadone in Urine. Society of Forensic Toxicologists Meeting. Phoenix, AZ. Oct. 2008.

Carney S, Wolf CE, Moak LD, Poklis A. Comparison of Two Enzyme Immunoassays for the Detection of the Cocaine Metabolite Benzoylecgonine in Urine. Society of Forensic Toxicologists Meeting. Phoenix, AZ. Oct. 2008.

DeLong GT, Wolf CE, Poklis A. Cannabichromene Potentiates the Antinociceptive Effect of $-\Delta^9$ Tetrahydrocannabinol. Society of Forensic Toxicologists Meeting. Phoenix, AZ. Oct. 2008.

Haglock CJ, Wolf CE, Poklis A. A Novel Method for the Determination of Guanfacine in Urine by GC/MS. Society of Forensic Toxicologists Meeting. Phoenix, AZ. Oct. 2008.

Wolf CE, Whitlow KS, Poklis A. Determination of Guanfacine (Tenex) in a Case of Munchhausen by Proxy. American Academy of Forensic Sciences 60th Annual Meeting. Washington DC. Feb. 2008.

Guckert BK, Backer RC, Wolf CE, Poklis A. Evaluation of the Lin-Zhi International Benzodiazepine Enzyme Immunoassay for the Detection of Benzodiazepines and Their Metabolites in Urine. American Academy of Forensic Sciences 60th Annual Meeting. Washington DC. Feb. 2008.

Poklis, JL, Guckert BK, Wolf CE, Poklis A. Evaluation of the Lin-Zhi International Phencyclidine Enzyme Immunoassay for the Detection of Phencyclidine in Urine. American Academy of Forensic Sciences 60th Annual Meeting. Washington DC. Feb. 2008.

Wolf CE, Rose SR, Poklis A. Case Report: The Use of the Herbicide Diquat and its possible involvement in a poisoning. Society of Forensic Toxicologists Meeting. Durham, NC. Oct. 2007.

DeLong GT, Wolf CE, Poklis A. Cannabichromene exhibits Cannabinoid activity in the mouse tetrad. Society of Forensic Toxicologist Meeting, Durham, NC. Oct. 2007.

Monteran R, Wolf CE, Backer R, and Poklis A. Evaluation of the Lin-Zhi International Propoxyphene Enzyme Immunoassay for the Detection of Propoxyphene and Norpropoxyphene in Urine. Society of Forensic Toxicologists Meeting. Durham, NC. Oct. 2007.

Poklis A, Wolf CE. Toxicology Laboratory Exercises. The 13th Forensic Science Educational Conference, Teaching Forensic Science: Behind the Scenes. Co-Sponsored by the American Academy of Forensic Science and Court TV. Virginia Commonwealth University & the Virginia Department of Forensic Science, Richmond, VA. July 2007.

Wolf CE, Dragoo M, Poklis A. Incidence of Drugs of Abuse in Meconium Testing Program. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Washington, DC. May 2007.

Tucker AA, Wolf CE, Poklis A. Extraction Efficiency of Amphetamines from Blow Fly (*Phormia regina*) Larvae. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Washington, DC. May 2007.

Owens A, Wolf CE, Poklis A. Extraction Efficiency of Amphetamines and Methylenedioxyamphetamines in Neutral Body Fat. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Washington, DC. May 2007.

Garrett W, Wolf CE, Backer R, Poklis A. Evaluation of the Lin-Zhi International Oxycodone Enzyme Immunoassay for the Detection of Oxycodone and Hydrocodone in Urine. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Washington, DC. May 2007.

DeLong GT, Wolf CE, Poklis A. Validation of a Mass Spectrometry Method for Determination of Cannabichromene in Blood and Brain Specimens. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Washington, DC. May 2007.

Wolf CE. The Chromatographic Detection of Drugs of Abuse in DUI/D Blood Samples, What Drugs are Really Present. Twenty-Forth Triangle Chromatography Symposium and Instrument Exhibit. Triangle Chromatography Discussion Group of the North Carolina Section of the American Chemical Society. North Carolina State University, Raleigh, NC. May 2007.

DeLong GT, Wolf CE, Poklis A. Validation of a Mass Spectrometry Method Identifying Cannabinoids in Marijuana. 46th Navy Occupational Health & Preventative Medicine Conference, Navy Environmental Health Center, Hampton Roads, VA. March 2007.

Wolf CE, Monteran RJ, Poklis A. Evaluation of the Lin-Zhi International Opiate Enzyme Immunoassay for the Detection of Opiates in Urine. American Academy of Forensic Sciences Meeting, Austin, TX, February 2007.

Wolf CE. The Chromatographic Detection of Drugs of Abuse in Whole Blood. Richmond Chromatography Discussion Group, Richmond, VA. Oct. 2006.

Wolf CE, Poklis A. Prevalence of Marijuana in Second Sample Blood Specimens from DUID Arrests in the Commonwealth of Virginia, 2001 – 2002. Society of Forensic Toxicologists Meeting, Austin, TX. Oct. 2006.

Wolf CE, Poklis A. Prevalence of Drugs in Expanded Second Sample Blood Specimens from DUID Arrests in the Commonwealth of Virginia, 2001 – 2002. Society of Forensic Toxicologists Meeting, Austin, TX. Oct. 2006.

Peace MR, Orebaugh L, Tarnai LD, Wolf CE, and Poklis A. Evaluation of the Lin-Zhi International Cannabinoid Enzyme Immunoassay for the Detection of Marijuana Cannabinoid Metabolites in Urine. Society of Forensic Toxicologists Meeting, Austin, TX. Oct. 2006.

Tarnai LD, Orebaugh L, Peace MR, Wolf CE, and Poklis A. Comparison of Three Enzyme Immunoassays for the Detection of Marijuana Cannabinoid Metabolites in Urine. Society of Forensic Toxicologists Meeting, Austin, TX. Oct. 2006.

Wolf CE, Poklis A. Comparison of FPIA and Emit Immunoassay Reagents for the Screening of DUID Whole Blood Samples for the Presence of Marijuana. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Richmond, VA. May 2006.

Wolf CE, Poklis A. The Prevalence of Alcohol and Drugs in DUI/DUID Second Samples in Virginia, 1990 - 2002. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Richmond, VA. May 2006.

Perusse K, Delaney C, Wolf C, Poklis A, and Pearson J. Correlation of Tetrahydrocannabinol in Evidentiary and Second Sample DUI/D Blood Samples. Mid-Atlantic Association of Forensic Scientists Annual Meeting, Richmond, VA. May 2006.

Wolf CE, Poklis A. A Rapid HPLC Procedure for Analysis of Analgesic Pharmaceutical Mixtures for Quality Assurance and Drug Diversion Testing. J Anal Tox, 29(7), 711-714, 2005.

Wolf CE. Workshop: Operations of a Forensic Toxicology Laboratory, Shimadzu Scientific Instruments, Inc. Columbia, MD. April 4-5, 2006.

Wolf CE, Poklis A. Evaluation of FPIA & Emit Reagents for Screening Whole Blood Samples for Marijuana. Society of Forensic Toxicologists Meeting, Nashville, TN. Oct. 2005.

Wolf CE, Poklis A. Pharmaceutical Identification and Quality Control Testing at a Major Medical Center. Joint The International Association of Forensic Toxicologists and Society of Forensic Toxicologists Meeting, Washington, DC, August 2004. J Anal Tox, 29(6), 461-462, 2005.

Wolf CE, Poklis A. Second Sample Analysis of Blood from DUID Arrests in the Commonwealth of Virginia; Demographics, Drug Findings, and Testing Scheme under the Revised Second Sample Testing Program. Society of Forensic Toxicologists Annual Meeting, Portland, Oregon, October 2003.

Wolf CE, Poklis A. Drug Diversion Testing at a Major Medical Center. Society of Forensic Toxicologists Annual Meeting, Portland, Oregon, October 2003.

Holstege CP, Ferguson JD, Wolf CE, Baer AB, Poklis A. Analysis of Moonshine for Contaminants. SAEM Annual Meeting, Boston, Massachusetts, May, 2003.

Wolf CE, Poklis A. Directed Second Sample Analysis of Blood from DUID Arrests in the Commonwealth of Virginia, 1990 - 1999. I. Demographics and Drug Findings. II. Comparison of the Results of Evidentiary Sample and Second Sample Testing. Society of Forensic Toxicologists Annual Meeting, Dearborne, Michigan, October 2002.

Wolf CE, Poklis A. Directed Second Sample Analysis of Blood from DUID Arrests in the Commonwealth of Virginia, 1990 - 1999. I. Demographics and Drug Findings. Watts Research Poster Symposium, Medical College of Virginia Campus at VCU, October 2002.

Wolf CE, Crooks CR, Poklis A. Rapid Gas Chromatographic Procedure for the Determination of Topiramate in Serum, Society of Forensic Toxicologists Annual Meeting, Salt Lake City, Utah, October 1997.

Ferrell M, Wolf C, Wood M, Ellenbogen K, Gilligan D. The Levels of Residual Ethylene Oxide on Electrophysiology Catheters Undergoing Resterilization. NASPE 17th Annual Meeting, Seattle Washington, May 1996.

Burns LA, Sikorski EE, Wolf C, Saady J, Munson AE. Role of Gallium and/or Arsenic in Gallium Arsenide induced immunosuppression. Society of Forensic Toxicologists Annual Meeting, Miami Beach, Florida, February 1990.

CONTINUING EDUCATION ACTIVITIES:

August 2014	Workshop: Mass Spectrometry: New Applications in Forensic Toxicology. Waters Corporation. Beverly, MA.
June 2014	MS Users' Group Meeting, Waters Corporation, ASMS Meeting, Baltimore MD,
October 2013	Workshop: Co-Chairman and Presenter, Overview and Review of Forensic Toxicology. Society of Forensic Toxicologists Meeting. Orlando, FL.
October 2008	Workshop: Co-Chairman and Presenter, Overview and Review of Forensic Toxicology. Society of Forensic Toxicologists Meeting. Phoenix, AZ.
October 2008	Workshop: Pain Management and Addition. Society of Forensic Toxicologists Meeting. Phoenix, AZ.
March 2007	Audioconference: Maximize High Performance-The Key Ingredients: Feedback and Coaching. Clinical Laboratory Management Association Management Development Series.
February 2007	Audioconference: Building a Climate for High Performance. Clinical Laboratory Management Association Management Development Series.
January 2007	Audioconference: Building Organizational Capability: Harnessing Your In-House Talent. Clinical Laboratory Management Association Management Development Series.
October 2006	Workshop: Standardized Field Sobriety Tests – Principles and Practices, presented by the Society of Forensic Toxicologists, Inc. Austin, Texas.
October 2006	The Application of Hair as an Alternate Matrix for Forensic Applications, presented by the Society of Forensic Toxicologists, Inc. Austin, Texas.
October 2005	Workshop: Co-Chairman, The Postmortem Blood Drug Screen, presented by the Society of Forensic Toxicologists, Inc. Nashville, Tennessee.
May 2005	Bayer Advia 1200 Instrument Operations Class, presented by Bayer Diagnostics Corp., Tarrytown, New York.

September 2004	Moderator: Poster Session, Clinical and Environmental Toxicology, presented by the Society of Forensic Toxicologist, Inc. Washington, D.C.
August 2004	Workshops: The Toxicological Hazards of Clandestine Methamphetamine Synthesis; Poisons and Poisoners - What a Toxicologist needs to know; Advanced Mass Spectrometry Theory and Interpretation; Chemical Terrorism for Forensic Toxicologists, presented by the U.S. Department of Justice, Federal Bureau of Investigation, FBI Laboratory Symposium on Forensic Toxicology, Washington, DC.
March 2004	Workshop: Dangerous Good Shipping, presented by Office of Environmental Health and Safety, Virginia Commonwealth University, Richmond, Virginia.
October 2003	Workshop: Toxicology in the Emergency Room, presented by Society of Forensic Toxicologists, Inc. Portland, Oregon.
October 2001	Workshop: The Impact of Daubert, Joiner, Kumho on Testifying as a Forensic Toxicologist, presented by Society of Forensic Toxicologists, Inc. New Orleans, Louisiana.
April 1998, 2001	GC & GC/MS Chromatography Seminar Series, presented by Varian Associates, Sugarland, Texas and Restek Corporation, Bellefonte, Pennsylvania.
April 1996	Hazardous Waste Seminar: Principles of Identification, Transportation and Incineration, presented by Rollins Environmental, Inc., Wilmington, Delaware.
July 1995	Solid Phase Extraction Techniques for Clinical & Forensic Chemists, presented by United Chemical Technologies, Inc., Bristol, Pennsylvania.
June 1995	Open Forum II, HPLC Workshop, presented by MAC-MOD Analytical Inc., Chadds Ford, Pennsylvania.
April 1995	Capillary Chromatography Training Seminar, presented by Restek Corporation, Bellefonte, Pennsylvania.
October 1994	Practical Applications of Quality Control in the Clinical Laboratory. & A Practical Approach for Design of a Laboratory Quality Assurance Program, presented by Bio-Rad Laboratories, Hercules, California.
December 1993	Supervisory Development Certificate, Office of Training and Development, Human Resource Division, Virginia Commonwealth University, Richmond, Virginia.
June 1993	Professional Practice in Toxicology: A Review, sponsored by American Association of Clinical Chemists, Cincinnati, Ohio.
April 1992	Advanced REMEDi® Operation and Maintenance Training Session, presented by Bio-Rad Laboratories, Hercules, California.
1991 - 1992	Annual Environmental Testing Seminar, presented by Varian Associates, Sugarland, Texas.
November 1990	Pesticides in the Next Decade: The Challenges Ahead, Third National Research Conference on Pesticides, sponsored by Virginia Polytechnic Institute & State University, Richmond, Virginia.
1988 - 1995	Annual Atomic Spectroscopy Workshops, presented by Varian Associates, Sugarland, Texas.