

## CURRICULUM VITAE

**Bruce A. Goldberger, Ph.D., DABFT**

### Professional

#### Address:

Forensic Toxicology Laboratory  
Diagnostic Reference Laboratories  
Department of Pathology, Immunology and Laboratory Medicine  
College of Medicine  
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### EDUCATION

May, 1982

B.A. degree in Zoology  
Drew University  
Madison, New Jersey

August, 1985

M.S. degree in Forensic Toxicology  
University of Maryland School of Medicine  
Department of Pathology, Division of Forensic Pathology  
Baltimore, Maryland

Thesis: “*In vitro* and *in vivo* studies of the collection and delayed analysis of the alcohol content in breath.”

January, 1993

Ph.D. degree in Forensic Toxicology  
University of Maryland School of Medicine  
Department of Pathology, Division of Forensic Pathology  
Baltimore, Maryland

Dissertation: “Measurement and interpretation of heroin, 6-acetylmorphine and morphine concentrations in biological tissues obtained from heroin users and heroin-related deaths.”

**PROFESSIONAL POSITIONS**

July, 2005 to present	Professor, Clinical Track Department of Pathology, Immunology and Laboratory Medicine Department of Psychiatry University of Florida College of Medicine Gainesville, Florida
November, 2002 to June 2005	Associate Professor, Clinical Track Department of Psychiatry University of Florida College of Medicine Gainesville, Florida
July, 2001 to June 2005	Associate Professor and Director of Toxicology, Clinical Track Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
July, 1999 to June, 2001	Assistant Professor and Director of Toxicology, Clinical Track Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
October, 1994 to June, 1999	Assistant Professor and Director of Toxicology Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
September, 1987 to September, 1994	Toxicologist National Center for Forensic Science a division of Maryland Medical Laboratory Baltimore, Maryland
September, 1989 to May, 1992	Assistant Toxicologist and Toxicology Laboratory Manager Toxicology Laboratory Office of the Chief Medical Examiner Baltimore, Maryland
July, 1986 to September, 1989	Assistant Toxicologist Toxicology Laboratory Office of the Chief Medical Examiner Baltimore, Maryland

September, 1982  
to September, 1987

Laboratory Technologist  
Clinical Toxicology Department  
Maryland Medical Laboratory  
Baltimore, Maryland

### **CERTIFICATIONS**

Diplomate. American Board of Forensic Toxicology, Certificate Number 218 (3/1/99-6/30/14)  
Clinical Laboratory Director. Board of Clinical Lab Personnel, Department of Business and Professional Regulation, State of Florida, License Number DI 0033647 (5/18/95-8/31/10)  
Forensic Toxicology Specialist. American Board of Forensic Toxicology, Certificate Number 5001 (11/1/92-2/28/99)  
Toxicological Chemist. National Registry of Certified Chemists (previously known as the National Registry in Clinical Chemistry), Certificate Number 2254 (1991-2009)

### **HONORS AND AWARDS**

Educational Research Award. Society of Forensic Toxicologists, 1984 and 1986  
Sunshine Award. Toxicology Section, American Academy of Forensic Sciences, 1988  
Toxicology Section Scholarship. American Academy of Forensic Sciences, 1991  
Outstanding Scientific Achievements by a Young Investigator Award. American Association for Clinical Chemistry, 1994  
Mid-Career Achievement Award, The International Association of Forensic Toxicologists, 2004  
Alexander O. Gettler Award, Toxicology Section, American Academy of Forensic Sciences, 2006  
Outstanding Achievement Award, Florida Association of Medical Examiners, 2008

### **CAMPUS ACTIVITIES**

#### Teaching

##### *College of Medicine:*

General Pathology and Immunology (BMS 5608) – Lectures in Chemical Carcinogenesis and Forensic Pathology  
Systemic Pathology and Laboratory Medicine (BMS 5600) Case Study Mentor  
Principles of Drug Action (GMS 6002) – Forensic Pharmacology (Grand Rounds)  
Special Topics in Pathology: Cellular & Molecular Basis of Liver Disease (GMS 6381) – Lecture in Pharmacogenomics and Drug Toxicity  
Translational Neuroscience: Junior Honors Medical Program (MEL 4001) – Forensic Medicine  
Laboratory Rotation Mentor, Interdisciplinary Graduate Program  
Pathology Resident Rotation (Preceptor)

*College of Pharmacy:*

Selected Topics in Pharmacy (The Role of the Pharmacist in Substance Abuse Education and Prevention; PHA 4933) – Lecture in Forensic Pharmacology/Toxicology

*College of Law:*

Handling Drug/Alcohol Crimes Seminar – Lecture in Forensic Toxicology

*Thesis/Doctoral Dissertation Committee Member:*

Michael W. Belford, Department of Chemistry, 2001-2003  
 Matthew W. Warren, Department of Psychiatry, 2003-2006  
 Timothy L. Naylor, Department of Physiological Sciences, 2003-2005  
 Frank Kero, Department of Chemistry, 2004-2008  
 David Khey, Department of Criminology, Law and Society, 2005-present  
 Marilyn Prieto, Department of Chemistry, 2007-present  
 Rich Reich, Department of Chemistry, 2007-present  
 Weiyi Ni, Interdisciplinary Program in Biomedical Sciences, 2008-present

*Student/Fellowship Training:*

<u>Name</u>	<u>Program</u>	<u>Date</u>
Diana Garside	Post-Doctoral Fellowship in Forensic Toxicology	1994-1997
Jeri Roper-Miller	Graduate Student – Doctoral	1994-1998
Ruth Winecker	Graduate Student – Doctoral	1994-1996
Jason Byrd	Graduate Student Rotation	1996
Bart Wacek	Graduate Student Intern	1996
Mary Rucker	Graduate Student – IDP Lab Rotation	1998
Richard Fox	Center for Precollegiate Education and Training	1998
Gretchen Miller	Graduate Student – Master's	1998-1999
Beth Ladlie	Graduate Student – UF IDP Lab Rotation	1998
Tara Sabo	Graduate Student – UF IDP Lab Rotation	1999
Andria Hobbs	Undergraduate Student – University Scholars Program	1999-2000
Kristofer Rau	Graduate Student – UF IDP Lab Rotation	1999
Jessica Walrath	Graduate Student – UF IDP Lab Rotation	2000
Bruno De Martinis	Visiting Scientist (Brazil)	2000-2001
Karen Vieira	Graduate Student – UF IDP Lab Rotation	2001
Michele Merves	Graduate Student – Doctoral/Post-Doctoral	2001-present
Sheng-Meng Wang	Visiting Scientist (Taiwan)	2001
María Antonia Martínez González	Visiting Scientist (Spain)	2002
Rebecca Murray	Pharmacy Student	2002-2003
Ansley Gascoigne	Undergraduate Intern (UCF)	2004
Kelly MacDougall	Graduate Student – UF IDP Lab Rotation	2005

Rebecca Fidler	Undergraduate Intern (UCF)	2005
Jennifer Hoyer	Undergraduate Intern (UCF)	2005
Christopher Moody	Undergraduate Intern (UCF)	2005
Melissa Clarady	Undergraduate Intern (UCF)	2006
Kimberly Fitzgerald	Medical Student (UF College of Medicine)	2006
Melanie Atkinson	High School Student (PK Young)	2006
Jenna Chin	Undergraduate (UF Senior Research)	2006-2007
Sarah Guilmain	Graduate Student – UF IDP Lab Rotation	2006
Diana Sum	Pharmacy Student (UF)	2007
Suzanne Bialeck	Medical Student (UF College of Medicine)	2008
Yara van Leeuwen	Graduate Student (University of Amsterdam)	2008
Camille Moore	Undergraduate Intern (UCF)	2008
Samantha Arzillo	Undergraduate (UF)	2008-2009
Brittany Marshall	Undergraduate (UF)	2008-2009
Amy Mitchell	Undergraduate Intern (UCF)	2009
Jennifer Lewis	Intern	2009

### Administration

#### *College of Medicine*

Member, Medical Selection Committee, 2005-present

#### *Department of Pathology, Immunology and Laboratory Medicine:*

Program Director, Florida Emergency Mortuary Operations Response System

Director, William R. Maples Center for Forensic Medicine

Unit Director of Toxicology, Diagnostic Referral Laboratories

Member, Diagnostic Referral Laboratories Quality Assurance Group

Chairman, Biosafety Committee (1994-2008)

Member, Clinical Research Committee

Member, Rocky Points Labs, Building & Safety Committee

#### *Interdisciplinary Toxicology Graduate Training Program (Center for Environmental and Human Toxicology):*

Faculty Member

Graduate Coordinator for Pathology

Member, Toxicology Graduate Specialization Committee

#### *University of Florida University Athletic Association:*

Member, University Athletic Association Substance Abuse Committee

**OTHER ACADEMIC ACTIVITIES**

Adjunct Assistant Professor in Clinical Chemistry. University of Maryland School of Medicine, Department of Medical and Research Technology, Baltimore, Maryland, 1991-1992 and 1993-1994

Thesis Advisor. College of Graduate Studies, Thomas Jefferson University, Philadelphia, Pennsylvania, 1994

External Examiner for Sarah Kerrigan. Faculty of Graduate Studies, The University of British Columbia, Vancouver, B.C. Canada, 1997

**PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

American Academy of Forensic Sciences (AAFS), Fellow, 1983-present

Academy Activities

Program Committee, Poster Session Chairman, 1994

Nominating Committee, 1996-1997

Council, 1995-1997

Program Committee, Breakfast Seminars Chairman, 1997-1998

Program Committee, Poster Session Chairman, 1998-1999

Strategic Planning Committee, 1997-1998

Long Term Planning Committee, 1998-2008

Board of Directors (Toxicology Section Representative), 1999-2002

Academy-Wide Luncheons, Moderator, 2000

Program Committee, Workshop Chairman, 2000-2001

Forensic Sciences Foundation Nominating Committee, 2000-2001

Program Committee, Program Co-Chairman, 2001-2002

Program Committee, Program Chairman, 2002-2003

Policy and Procedure Committee, 2002-2007

AAFS Website Redesign Task Force (Chairman), 2002-2003

AAFS Website Content Oversight Task Force, 2003-2004

Vice President, 2003-2004

Membership Committee, Chairman, 2003-2004

Treasurer, 2004-2006

Executive Committee, 2004-2008

Finance Committee, 2006-present

Forensic Sciences Foundation Nominating Committee, 2005-2006

President-Elect, 2006-2007

Trustee, Forensic Sciences Foundation, 2006-2008

President, 2007-2008

Board of Directors, 2008-2009

Chair, Nomination Committee, 2008-2009

Media Liaison, 2008-present

Toxicology Section Activities

Workshop Co-Chairman, 1992-1995, 1999

Program Committee, 1992-1996

Program Chairman, 1994-1995

Secretary, 1995-1996  
Chairman, 1996-1997  
Chairman, Nominating Committee, 1997-1998  
Abstract Guidelines Committee, 1995-1996  
Editor, *News and Views*, 1993-1996  
Steering Committee, 1994-present  
Minutes Review Committee, 1994-1999  
Awards Committee, 1997-1999, 2001-2003  
*ad hoc* Membership Guidelines Committee, 1994-1999  
American Association for Clinical Chemistry (AACC), Member, 1984-present  
TDM/Tox LIP Committee, 1991-1996; Chairman, 1995-1996  
FUDD Newsletter Editorial Advisory Board, 1997 -1998  
Clinical & Forensic Toxicology News Editorial Advisory Board, Chairman, 1999 - 2001  
Workshop Leader, 1993-1994  
American Board of Forensic Toxicology (ABFT)  
Board of Directors, 2000-present  
Treasurer, 2002-2008  
Vice President, 2008-present  
California Association of Toxicologists (CAT), Associate Member, 1993-present  
Council of Science Editors, Member, 2001-2008  
Florida Association of Medical Examiners (FAME), Affiliate Member, 2008-present  
Conference Committee, 2008-present  
Conference Committee Second Committee Co-Chair, 2008-present  
National Academy of Clinical Biochemistry (NACB), Fellow, 2003-present  
International Association for Chemical Testing (IACT), Member, 1999-present  
International Veterinary Forensic Sciences Association, Full Charter Member, 2009-present  
Board of Directors, 2009-present  
National Committee for Clinical Laboratory Standards, Member, 1993-2002  
Gas Chromatography/Mass Spectrometry (GC/MS) Confirmation of Drugs Committee  
National Registry of Certified Chemists (NRCC)  
Board of Directors, 2001-2003  
Examination Committee, 2001-2003  
National Safety Council (NSC), Committee on Alcohol and Other Drugs, Member, 1988-present  
Executive Board, 1992-2007  
Society of Forensic Toxicologists (SOFT), Member, 1984-present  
Advisory Committee on Hair Analysis, 1991-1992  
Annual Meeting Program Committee, 1993-present  
Chairman, SOFT Web-site/IT Committee, 1997-present  
Chairman, SOFT Logo Redesign Committee, 1997  
Board of Directors, 1998-2000  
Special Issue Editor, *Journal of Analytical Toxicology*, 1999  
Board of Directors (ex officio), 2005-present  
The International Association of Forensic Toxicologists (TIAFT), Member, 1991-present  
T'2007 Scientific Advisory Committee

**EDITORIAL TASKS**

Clinica Chim Acta – Member, Editorial Board, 1999-2003  
Clinical Chemistry – ad hoc reviewer, 2006, 2008, 2009  
Clinical and Forensic Toxicology News (AACC Newsletter) – Chairman, Editorial Advisory Board, 1999-2001  
Drug Court Review – ad hoc reviewer, 2005  
Forensic Science International – ad hoc reviewer, 2004-2008  
Forensic Science Review – Member, Board of Editors, 2002-present  
Journal of Analytical Toxicology –  
Editor-in-Chief, 2001-present  
Member, Editorial Advisory Board, 1997-2000  
Invited Reviewer, 1995-1996  
Society of Forensic Toxicologists Special Issue Editor, October, 1999  
Journal of Forensic Sciences – Member, Editorial Board, 1997-present  
Science & Justice – ad hoc reviewer, 2005  
Therapeutic Drug Monitoring and Toxicology (AACC In-Service Training and Continuing Education Publication) – Chairman, Editorial Board, 1995-1996  
Clarke's Analysis of Drugs and Poisons (3<sup>rd</sup> Edition), Pharmaceutical Press – Member, Editorial Advisory Board, 2000-2004  
Clarke's Analysis of Drugs and Poisons (4<sup>th</sup> Edition), Pharmaceutical Press – Member, Editorial Advisory Board, 2007-present

**CONSULTANT AND OTHER RELATED ACTIVITIES**

Expert Witness/Consultant in Forensic Toxicology. Qualified as an Expert in Forensic Toxicology in Federal, State of Florida, Canadian, and Military Courts of Law  
Laboratory Inspector. National Laboratory Certification Program, Substance Abuse and Mental Health Services Administration, DHHS, 1989-2000  
Chairman. Florida Department of Law Enforcement/Institute of Police Technology and Management Implied Consent Rules Committee, 1999-2000  
Chairman. Substance Abuse Committee, Athletic Programs, Santa Fe Community College, 1997-present  
Co-Chair, Methadone Associated Mortality: A National Assessment Workshop, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, Arlington, Virginia, May, 2003  
Member, Florida Task Force on Suicide Prevention, Office of Drug Control, Office of the Governor, State of Florida, 2003-2007  
Consultant, Drug Enforcement Administration (Arlington, VA), 2004-present  
Consultant, National Football League Players Association (Washington, D.C.), 2006-2007  
Co-Chair, Methadone Mortality: A Reassessment, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, Arlington, Virginia, July, 2007  
Member, State of Florida Suicide Prevention Coordinating Council, Office of Drug Control, Office of the Governor, State of Florida, 2003-present

Consultant, Clinical Chemistry and Clinical Toxicology Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration, 2008-present

Member, State of Florida Drug-Related Death Workgroup, Office of Drug Control, Office of the Governor, State of Florida, 2008-present

Co-Chair, Expert Panel on Uniform Standards and Case Definitions for Classifying Methadone-Associated Deaths, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, Washington, D.C., August, 2009

Medical Examiner Drug Report Task Force, Florida Department of Law Enforcement, Medical Examiner Commission, 2009-present

### **REVIEW OF GRANTS AND CONTRACTS**

Consultant. Counterdrug Technology Assessment Center Demand Reduction Advisory Board, Office of National Drug Control Policy, Executive Office of the President, 1993

Consultant. Maternal Lifestyle Study, National Institute of Child Health and Human Development, National Institutes of Health, 1992-1993

Consultant. Measurement of Caffeine, Paraxanthine and Osmolality in Serum from the Collaborative Perinatal Project, National Institute of Child Health and Human Development, National Institutes of Health, 1996

ad hoc Committee Member. Molecular, Cellular and Chemical Neurobiology Research Review Subcommittee [NIDA/B], National Institute on Drug Abuse Initial Review Group, National Institutes of Health, 1996-1997

ad hoc Reviewer. Clinical Protocols, Addiction Research Center, National Institute on Drug Abuse, National Institutes of Health, 1998

ad hoc Committee Member. Epidemiology and Prevention Review Committee [NIDA/G], National Institute on Drug Abuse Initial Review Group, National Institutes of Health, 1998

ad hoc Reviewer. NIDA/INVEST Research Fellowship Program, National Institute on Drug Abuse, National Institutes of Health, 2000

Reviewer. FY 2005 General Forensics Research and Development Solicitation, Office of Science and Technology, National Institute of Justice, U.S. Department of Justice, 2005

Reviewer. FY 2006 Forensic Toxicology Research and Development (R&D) Solicitation, Office of Science and Technology, National Institute of Justice, U.S. Department of Justice, 2006

### **INVITED LECTURES**

The Use of Quality Control by Forensic Urine Drug Testing Laboratories. Hewlett-Packard Clinical/Forensic Seminar, Rockville, Maryland, April, 1989.

Principles of Forensic Toxicology. Forensic Toxicology Workshop, Department of Health and Rehabilitation Services, State of Florida, Orlando, Florida, April, 1990.

Drug Testing in the 1990s. 1991 Hewlett-Packard User's Group Meeting, American Society of Mass Spectrometry, Nashville, Tennessee, May, 1991.

Optimization of GC/MS. Hewlett-Packard User's Group Meeting, Baltimore, Maryland, October, 1991.

FPDT: Forensic Pelage Drug Testing (Breakfast Seminar). American Academy of Forensic Sciences, New Orleans, Louisiana, February, 1992.

- Optimization of GC/MS. Forensic and Clinical Drug Analysis by GC/MS. Hewlett-Packard Sponsored Workshop, American Association for Clinical Chemistry, Chicago, Illinois, July, 1992.
- Confirmation. Preparing for the NIDA NLCP Inspections: Problems Commonly Encountered by Inspectors. Society of Forensic Toxicologists, Cromwell, Connecticut, October, 1992.
- Hair Testing: The Growing Way to Test for Drugs of Abuse. The Pittsburgh Conference, Atlanta, Georgia, March, 1993.
- Disposition of Heroin and 6-Acetylmorphine in Hair. Clinical Pharmacology/Toxicology Forum, Baltimore, Maryland, March, 1993.
- Testing for Abused Drugs in Human Hair. 1993 Hewlett-Packard User's Group Meeting, American Society of Mass Spectrometry, San Francisco, California, May, 1993.
- Hair. Drug Analysis of Unusual Biological Tissues. American Association for Clinical Chemistry, New York, New York, July, 1993.
- Heroin and Metabolites in Biological Tissues Obtained from Heroin Users and Heroin-Related Deaths. Roche Diagnostics Seminar, Branchburg, New Jersey, August, 1993.
- Seminar: Measurement and Interpretation of Heroin, 6-Acetylmorphine and Morphine Concentrations in Biological Tissues. Department of Medical and Research Technology, University of Maryland School of Medicine, Baltimore, Maryland, September, 1993.
- Study of the Effect of "UrinAid" on HHS Regulated Urine Specimens. Drug Testing Advisory Board, Division of Workplace Programs, Substance Abuse and Mental Health Services Administration, Bethesda, Maryland, September, 1993.
- Current Status of Hair Drug Testing. Capital Section, American Association for Clinical Chemistry, Baltimore, Maryland, November, 1993.
- Optimization Techniques for GC/MS. The In's and Out's of Capillary Gas Chromatography: Routinely Utilized Inlet and Detector Systems. American Academy of Forensic Sciences, San Antonio, Texas, February, 1994.
- Opiates. Forensic Toxicology. Armed Forces Institute of Pathology, Vienna, Virginia, April, 1994.
- Adulteration Issues-Laboratory Checks and Balances. Substance Abuse Workshop. Department of Energy, Alexandria, Virginia, May, 1994.
- Hair. Drug Analysis of Unusual Biological Tissues. American Association for Clinical Chemistry, New Orleans, Louisiana, July, 1994.
- Pharmacology of Heroin and Related Opiates in Hair. SOFT Conference on Drug Testing in Hair, Tampa, Florida, October, 1994.
- Opiates. Fundamentals of Forensic Toxicology: A Basic Course. Society of Forensic Toxicologists, Baltimore, Maryland, October, 1995.
- Testing for Drugs in Hair. Seminar. Departments of Pharmacodynamics and Pharmaceutics, University of Florida College of Pharmacy, Gainesville, Florida, October, 1995.
- Postmortem Toxicology. Advances in Alcohol and Drug Testing-Significance for Legal Proceedings. Toxicology Consultants Forensic Science CLE Seminar Series. Fort Lauderdale, Florida, December, 1995.
- The Analysis of Anabolic Agents in Sports. Amateur Athletic Drug Testing – Substance Abuse Policy. American Academy of Forensic Sciences, Nashville, Tennessee, February, 1996.
- Drugs of Abuse Testing. Boehringer Mannheim Corporation 1996 Preferred Partners Meeting and Product Fair. Orlando, Florida, March, 1996.
- Drug Free Workplace Seminar - Lab Procedures. Gainesville Area Chamber of Commerce, Gainesville, Florida, May, 1996.

- Testing for Cocaine in Hair: New Clinical and Forensic Applications. Department of Pathology and Laboratory Medicine, University of Florida College of Medicine, Gainesville, Florida, June, 1996.
- Drug Testing for Drug Courts: Components of Reliability. Gaining Momentum: Drug Courts in Florida. Supreme Court of the State of Florida, Office of the State Courts Administrator, Naples, Florida, June, 1996.
- Rohypnol and Rape Prevention. Rape & Crime Victim Advocate Program, Alachua County Department of Community Services, Gainesville, Florida, July, 1996.
- Medical Examiner Toxicology, Analysis of Unusual Biological Tissues, and Forensic Chemistry. Introduction to Forensic Toxicology. American Association for Clinical Chemistry, Chicago, Illinois, July, 1996.
- High Sensitivity CEDIA Benzodiazepine DAU: New Solutions for the Nineties. Boehringer Mannheim Corporation 1996 Industry Workshop at the AACC Annual Meeting. Chicago, Illinois, July, 1996.
- Forensic Toxicology. 1996 Clinical Chemistry and Toxicology Audioconference Series - Teleconference Network of Texas. Gainesville, Florida, August, 1996.
- Forensic Toxicology Sites on the World Wide Web. Forensic Toxicology and the Internet. Society of Forensic Toxicologists, Denver, Colorado, October, 1996.
- Drug Free Workplace Seminar – Lab Procedures. Gainesville Area Chamber of Commerce, Gainesville, Florida, October, 1996.
- Forensic Science: A Living Science – Amniotic Fluid and Breast Milk. American Academy of Forensic Sciences, New York City, New York, February, 1997.
- Forensic Toxicology: QA/QC Considerations. NFSTC Forensic Toxicology Workshop, Gainesville, Florida, August, 1997.
- Implementation of a PT Program for Hair Testing in Florida. HHS Drug Testing Advisory Board, Scientific Meeting on Drug Testing of Alternative Specimens and Technologies, Arlington, Virginia, September, 1997.
- Signs of Impairment & Physiology and Pharmacology, Breath Test Instructor Course, Institute of Police Technology and Management, University of North Florida, Jacksonville, Florida, January, 1998.
- Cocaine Analyses in Breast Milk and Nails. Seminar. Department of Pharmaceutics and Pharmacodynamics, College of Pharmacy, University of Illinois at Chicago, Chicago, Illinois, March, 1998.
- Hewlett-Packard Seminar on Drug Testing and Forensic Analyses. Wilmington, Rockville, Atlanta, and Tampa, March, 1998.
- Results from the First Round of the State of Florida Hair Proficiency Testing Program. Drug Testing Advisory Board, Division of Workplace Programs, Substance Abuse and Mental Health Services Administration, Bethesda, Maryland, June, 1999.
- Physical Effects of Abuse. The GHB, GBL and 1,4 Butanediol Working Group Meeting. Sponsored by Orphan Medical Group, National Forensic Science Technology Center, St. Petersburg, Florida, July, 1999.
- Case Studies in Forensic Toxicology. Department of Pathology, Immunology and Laboratory Medicine, University of Florida College of Medicine, Gainesville, Florida, August, 1999.
- Forensic Toxicology. Microbiology and Cell Science Student Organization. University of Florida, Gainesville, Florida, September, 1999.

- Hewlett-Packard Seminar on Drug Testing. Fundamental and Critical Procedures Used in the Analysis of Drugs of Abuse in Urine by GC/MS. Mexico City, Mexico, November, 1999.
- Leading Edge Seminar – The Future of Forensic Medicine at the University of Florida, University of Florida Department of Conferences and Seminars, Division of Continuing Education, Gainesville, Florida, February, 2000.
- Forensic Toxicology of Opiate Alkaloids and Synthetic Analgesics – Metabolism of Opioids. American Academy of Forensic Sciences, Reno, Nevada, February, 2000.
- Post-Mortem Forensic Toxicology (Part 1), Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, March, 2000.
- Drug Testing: An Important Element in Substance Abuse Prevention – Today’s Drugs, Beating the Test and Other Myths. American Alliance for Health, Physical Education, Recreation and Dance, Orlando, Florida, March, 2000.
- Contemporary Practice in Clinical Toxicology – Opiates. American Association for Clinical Chemistry, Alexandria, Virginia, June, 2000.
- Assessment of Alternative Specimens in Forensic Toxicology. Society of Forensic Toxicologists, Milwaukee, Wisconsin, October, 2000.
- Post-Mortem Forensic Toxicology (Part 2), Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, November, 2000.
- The Drunk and Drugged Driver: Understanding Toxicology, Advanced DUI Seminar, Florida Prosecuting Attorneys Association, Ocala, Florida, March, 2001.
- Effects on the Body, Florida Statewide Conference on Designer Drugs, Florida Department of Law Enforcement, Orlando, Florida, April, 2001.
- Club Drugs, Florida Association of Medical Examiners, Daytona Beach, Florida, November, 2001.
- Forensic Toxicology, Florida Homicide Investigators Association, Gainesville, Florida, November, 2001.
- Chemical Agents, Community Bioterrorism Summit, Shands HealthCare, Gainesville, Florida, November, 2001.
- Analytical Toxicology Considerations in Drugs and Driving Cases, The Effects of Drugs on Human Performance and Behavior, Robert F. Borkestein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, March, 2002.
- Chemical Agents of Terrorists, The Challenge of Bioterrorism, Florida League for Nursing, University of Florida, Gainesville, Florida, April, 2002.
- Chemical Agents, Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, August, 2002.
- Club Drugs. Microbiology and Cellular Science Student Organization. University of Florida, Gainesville, Florida, September, 2002.
- Analytical Toxicology Considerations in Drugs and Driving Cases, The Effects of Drugs on Human Performance and Behavior, Robert F. Borkestein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, March, 2003.
- Drug and Deaths in Florida, Grand Rounds, Department of Psychiatry, University of Florida College of Medicine, March 2003.
- Forensic Pharmacology, Consumer Chemistry (CHM 1083), University of Florida, April 2003.
- The Role of the Toxicology Laboratory in the Prosecution of Drugged Driving Cases, International Association for Chemical Testing, Cocoa Beach, Florida, April, 2003.

- The Challenge to the Forensic Community. Methadone Associated Mortality: A National Assessment Workshop, Center for Substance Abuse Treatment Substance Abuse and Mental Health Services Administration, Arlington, Virginia, May, 2003.
- Methadone Deaths in Florida. Methadone Associated Mortality: A National Assessment Workshop, Center for Substance Abuse Treatment Substance Abuse and Mental Health Services Administration, Arlington, Virginia, May, 2003.
- Drug Testing Update, Department of Community Health and Family Medicine. University of Florida College of Medicine, Gainesville, Florida, September, 2003.
- Forensic Toxicology of Methadone – Methadone and Death Investigations. Society of Forensic Toxicologists, Portland, Oregon, October, 2003.
- Methadone Overdose Deaths. National Association of Drug Diversion Investigators, Fort Lauderdale, Florida, November, 2003.
- Pursuing a Career in the Forensic Sciences. Biomedical Research Career Development Seminar, University of Florida Interdisciplinary Program in Biomedical Sciences, Gainesville, Florida, January, 2004.
- Methadone-Associated Mortality: Report of a National Assessment – Toxicological Issues, The 6th International Conference on Pain & Chemical Dependency, Brooklyn, New York, February, 2004.
- Ephedrine: Drug or Supplement? Ephedrine Related Compounds and the Debate on Their Potential for Contribution to Injury – Analytical Issues of Ephedrine and Related Compounds in Possible Injury Cases. American Academy of Forensic Sciences, Dallas, Texas, February, 2004.
- Developing Global Strategies for Identifying, Prosecuting, and Treating Drug-Impaired Drivers – Chemical Sensing of Exhaled Breath, Tampa, Florida, February, 2004.
- Ninth Annual Southern Coastal International Conference – Breath, Blood and Urine Testing, Jekyll Island, Georgia, March, 2004.
- Club Drugs, Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, April, 2004.
- Analytical Toxicology Considerations in Drugs and Driving Cases, The Effects of Drugs on Human Performance and Behavior, Robert F. Borckenstein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, September, 2004.
- Club Drugs, Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, December, 2004.
- Forensic Toxicology Reference Laboratory and Public Service, Southeastern Association of Pathology Chairs and Department Administrators, St. Petersburg, Florida, January, 2005.
- Evidenced Based Forensic Science: Interpreting Postmortem Toxicology in the Light of Pathologic Findings – Interpreting Postmortem Opioid Measurements. American Academy of Forensic Sciences, New Orleans, Louisiana, February, 2005.
- Drugs and Drug Deaths in Florida. University of Florida Committee on Alcohol and Other Drug Education and Policy, Gainesville, Florida, April, 2005.
- OTC and Prescription Stimulants, Stimulants Workshop (sponsored by Society of Forensic Toxicologists), Orlando, Florida, April 2005.
- Pharmaceutical Abuse, Annual Training for Demand Reduction Program Coordinators, Drug Enforcement Administration, Orlando, Florida, August, 2005.

- Update in Forensic Toxicology: Selected Topics in Death Investigation – Case Studies in Analytical & Forensic Toxicology, North American Congress of Clinical Toxicology 2005, American Academy of Clinical Toxicology, September, 2005.
- An Epidemic of Drug Deaths in Florida, Department of Pathology, Immunology and Laboratory Medicine, University of Florida College of Medicine, Gainesville, Florida, September, 2005.
- Forensic Toxicology Update – Opiates. Society of Forensic Toxicologists, Nashville, Tennessee, October, 2005.
- Interpretation of Toxicological Analysis in the Elderly – Opioids in the Elderly. American Academy of Forensic Sciences, American Academy of Forensic Sciences, Seattle, Washington, February, 2006.
- Pediatric Postmortem Toxicology Session – Toxicological Findings of a Mother and Fetus in a Fatal DUI. American Academy of Forensic Sciences, American Academy of Forensic Sciences, Seattle, Washington, February, 2006.
- Annual Conference on Addictions – An Epidemic of Opioid-Related Deaths in Florida, Florida Society of Addiction Medicine, Lake Mary, FL, March, 2006.
- Methamphetamine: A Deadly Formula – Methamphetamine: Toxicology, Pathology and Treatment, Second Annual Prevention Summit, DISC Village, Inc., Tallahassee, FL, March, 2006
- Analytical Toxicology for Impaired Driving Programs – Laboratory Aspects, The Effects of Drugs on Human Performance and Behavior, Robert F. Borkenstein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, April, 2006.
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- Presidential Symposium - Epidemiology of Drug Use, Abuse, Misuse and Death from the 60s to Today, American Psychiatric Association, San Francisco, California, May, 2009.
- Methadone Associated Overdose and Mortality Assessment Meeting - Regional Methadone Data Mortality Report - The State of Florida Experience, Drug Enforcement Administration, Washington, D.C., June, 2009.
- Symposium on Energy Drinks - Where the Science Meets Main Street - Pharmacologic Properties of Common Ingredients, SUNY Youth Sports Institute, New York, New York, June, 2009.
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