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Center for Studies
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Curriculum Vitae
of
Bruce A. Goldberger, Ph.D., DABFT

CURRICULUM VITAE

Bruce A. Goldberger, Ph.D., DABFT

**Professional
Address:**

Forensic Toxicology Laboratory
Department of Pathology, Immunology and Laboratory 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 and Director of Toxicology, 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, Tenure Track 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 (5/18/95-8/31/12)
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 (1991-2012)

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
Excellence in SPE, United Chemical Technologies, 2005
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) – Toxicology
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)
Responsible Conduct of Biomedical Research: Authorship & Publication and Peer Review
(GMS 7003)
Clinical and Translational Science Seminar Series (GMS 6893) – Toxicology
Psychiatry Clerkship – Toxicology and Pathology

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

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, 2005-2009
 Marilyn Prieto, Department of Chemistry, 2007-2010
 Rich Reich, Department of Chemistry, 2007-2010
 Weiyi Ni, Interdisciplinary Program in Biomedical Sciences, 2008-present

Student/Doctoral/Post-Doctoral/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 (UF)	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	2001-2009
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)	2008-2010
Amy Mitchell	Undergraduate Intern (UCF)	2009
Jennifer Lewis	Intern (UF)	2009
Christopher Roeser	Intern (UF)	2009- 2010

Administration

College of Medicine

Member, Medical Selection Committee, 2005-present

Member, Search Committee, Chair of the Department of Pharmacology and Therapeutics and
Director of the UF Institute of Therapeutic Innovations, 2010-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, 2009-present)

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

Nomination Committee, 2008-2010

Media Relations Chair, 2008-present

Chair, *ad hoc* Media Relations Committee, 2009-present

ad hoc Outreach Committee, 2010-present

Awards Committee, 2010-present

Exhibitor Liaison Committee, 2010-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
 - FUDT 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
- Co-Chair, Conference Committee, 2008-present
 - Chair, Toxicology Laboratory Guidelines Committee, 2009-present
- Forensic Toxicology Council, Member, 2009-present
- Secretary, 2010-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
- Scientific Working Group on Forensic Toxicology (SWG-Tox)
- Co-Chair, 2009-present
- 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
Board of Directors, 2011-present
The International Association of Forensic Toxicologists (TIAFT), Member, 1991-present
T'2007 Scientific Advisory Committee, 2007
TIAFT Achievement Award Committee, 2010

EDITORIAL TASKS

Clinica Chim Acta – Member, Editorial Board, 1999-2003
Clinical Chemistry – ad hoc reviewer, 2006-present
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-present
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 (3rd Edition), Pharmaceutical Press – Member, Editorial Advisory Board, 2000-2004

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
Laboratory Inspector. American Board of Forensic Toxicology, 2010-present
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, 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, Washington, D.C., 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., 2009
Medical Examiner Drug Report Task Force, Florida Department of Law Enforcement, Medical Examiner Commission, 2009
Co-Chair, Methadone Mortality: A Reassessment, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, Washington, D.C., 2010

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. Borkenstein 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. Borkenstein 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. Borkenstein 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. Borckenstein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, April, 2006.
- Forensic Toxicology, Ninth Forensic Science Educational Conference (FSEC) (sponsored by the American Academy of Forensic Sciences and Court TV), Florida Gulf Coast University, Fort Myers, Florida, May, 2006.
- CE Committee: How Does Your QA/QC Program Measure Up? – Analytical Toxicology – QA/QC Laboratory Aspects. Society of Forensic Toxicologists, Austin, Texas, October, 2006.
- Alcohol Use Disorders Colloquium – Alcohol and Drugs in Trauma Cases, Shands at the University of Florida and the University of Florida, College of Medicine, Division of Acute Care Surgery, Gainesville, FL, February, 2007.
- DUI and DUI Drugs: State of the Art, Florida Society of Addiction Medicine, Gainesville, FL, March, 2007.

- 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, 2007.
- Multidisciplinary Trauma Conference – Alcohol and Drugs in Trauma Cases, Trauma Services Department, Shands at the University of Florida, May, 2007.
- Methadone-Related Deaths in Florida, Methadone Mortality – A Reassessment. U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Washington D.C., July, 2007.
- Clinical and Translational Science Seminar Series, University of Florida, College of Medicine, Department of Epidemiology & Health Policy Research, Addiction – Forensic Medicine, Gainesville, Florida, September, 2007.
- Toxicology Jeopardy – A Practical Approach to DUID Testing – Confirmation - Method Validation, Society of Forensic Toxicologists, Durham, North Carolina, October, 2007.
- Stop Drugged Driving, The John P. McGovern Lecture, Institute for Behavior and Health, Washington D.C., November, 2007.
- The Cocaine Epidemic, Drug Policy Advisory Council, Florida Office of Drug Control, Tallahassee, Florida, November, 2007.
- Pharmacology - Alcohol and Drug Impaired Driving, 2007 DUI Adjudication Lab, Florida Judiciary Education Program, St. Augustine, Florida, December, 2007.
- Toxicology Issues – Analytical Toxicology, CFS Toxicology Symposium, Centre of Forensic Sciences, Toronto, Ontario, January, 2008.
- The Cocaine Epidemic, Drug Overdose Task Force, Florida Office of Drug Control, Tallahassee, Florida, March, 2008.
- Analytical Toxicology for Impaired Driving Programs – Laboratory Aspects, The Indiana University Robert F. Borkenstein Course on the Effects of Drugs on Human Performance and Behavior, Robert F. Borkenstein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, April, 2008.
- Forensic Toxicology, Ninth Forensic Science Educational Conference (FSEC) (sponsored by the American Academy of Forensic Sciences and Court TV), Florida Gulf Coast University, Fort Myers, Florida, May, 2008.
- Drugged Driving, Grand Rounds, Department of Psychiatry, University of Florida College of Medicine, July, 2008.
- Bad Science: The Floyd Landis Case, International Association of Forensic Sciences, July, 2008.
- The "Stimulating" Realm of Sympathomimetic Amines and Tryptamines – OTC Sympathomimetic Amines, Society of Forensic Toxicologists, Phoenix, Arizona, October, 2008.
- Effects of Drugs on Human Performance and Behavior – A Borkenstein Sampler – Analytical Best Practices for DUID Testing, Society of Forensic Toxicologists, Phoenix, Arizona, October, 2008.
- Pharmacology - Alcohol and Drug Impaired Driving, 2009 DUI Adjudication Lab, Florida Judiciary Education Program, St. Augustine, Florida, January, 2009.
- Analytical Toxicology for Impaired Driving Programs – Laboratory Aspects, The Indiana University Robert F. Borkenstein Course on the Effects of Drugs on Human Performance and Behavior, Robert F. Borkenstein Center for Studies of Law in Action, Indiana University, Bloomington, Indiana, April, 2009.

- Methadone Mortality Update – Florida’s Real-time Methadone Surveillance System, American Association for the Treatment of Opioid Dependence, New York, New York, April, 2009.
- Forensic Toxicology in Animal Casework, Veterinary Forensics Conference, William R. Maples Center for Forensic Medicine, University of Florida, Orlando, Florida, May, 2009.
- 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.
- Toxicology: Current Trends and What's New, Florida Association of Medical Examiners Annual Educational Conference, Orlando, Florida, August, 2009.
- ABFT Certification Preparation Class - Laboratory Practice. Society of Forensic Toxicologists, Oklahoma City, Oklahoma, October, 2009.
- Pharmacology - Alcohol and Drug Impaired Driving, 2009 DUI Adjudication Lab, Florida Judiciary Education Program, Sarasota, Florida, December, 2009.
- Journal of Analytical Toxicology, Navigating the World of Forensic Journals and Forensic Information, American Academy of Forensic Sciences, American Academy of Forensic Sciences, Seattle, Washington, February, 2010.
- Keynote Address - A Decade of Deaths in the State of Florida - Prescription Drug Use, Misuse and Abuse, Florida Society of Addiction Medicine, Medical and Scientific Conference on Addictions, Tampa, Florida, March, 2010.
- Keynote Address - Propofol Abuse and the Untimely Death of Michael Jackson, Florida Society of Addiction Medicine, Medical and Scientific Conference on Addictions, Tampa, Florida, March, 2010.
- Forensically Defensible Drug and Alcohol Testing in DUID: 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, 2010.
- The Medical Consequences of Opium and Heroin Abuse in Afghanistan, Department of Pathology, Immunology and Laboratory Medicine, University of Florida College of Medicine, Gainesville, Florida, April, 2010.
- Saving the Children of Afghanistan - The Consequences of Opium and Heroin Abuse, International Drug Enforcement Conference, Rio de Janeiro, Brazil, April, 2010.
- Forensic Toxicology – Part 1, Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, May, 2010.
- Forensic Toxicology – Part 2, Shands Hospital Laboratories Continuing Education Program, Gainesville, Florida, June, 2010.
- Forensic Toxicology, Forensic Science Training for Capital Litigators, Bureau of Justice Assistance and the National Clearinghouse for Science, Technology and the Law and the Center for American and International Law, Plano, Texas, July, 2010.
- A Decade of Deaths in the State of Florida - Prescription Drug Use, Misuse and Abuse, Palm Beach County Rx for Change Conference, West Palm Beach, Florida, October, 2010.

Interpretation of Opioid Measurements: Antemortem and Postmortem, ACMT Seminars in Forensic Toxicology: Opioids, American College of Medical Toxicology, Philadelphia, Pennsylvania, November, 2010.

Pharmacology - Alcohol and Drug Impaired Driving, 2010 DUI Adjudication Lab, Florida Judiciary Education Program, Clearwater, Florida, December, 2010.

MEDIA APPEARANCES

In Search of Jesse James, A&E and History Channel, 1996

Party Drug, Fatal Drug, 48 Hours, CBS News, 2001

PMA, Channel One News, 2001

Addicted: An OxyContin Tragedy, 48 Hours, CBS News, 2002

Ecstasy – Nothing to Rave About, Florida's News Channel, 2002

Hooked On Club Drugs, VH1, 2002

State of Florida v. Rachel Sercey Trial, Court TV, 2003

State of Florida v. Laura Roberts, Inside Edition, 2004

Secrets from the Grave, 48 Hours, CBS News, 2005

Caffeine in Decaf Coffee, Today Show, MSNBC, 2006

Caffeine in Energy Drinks, National Public Radio, 2007

Death of Daniel Smith, CNN, 2007

Death of Daniel Smith, MSNBC, 2007

Death of Anna Nicole Smith, Fox News and Court TV, 2007

Prescription Drug Abuse (Heath Ledger), Good Morning America, ABC, 2008

Mark Jensen Trial, TruTV Courtside, 2008

Michael Jackson: The Man and His Music, ABC News 20/20, June 2009

Death of Michael Jackson, Good Morning America, ABC, July 2009

Michael Jackson: The Final Hours, Dateline NBC, July 2009

Death of Michael Jackson, Good Morning America, ABC, August 2009

Needle in a Haystack, Forensic Files, truTV, September 2009

The Secret Life of Michael Jackson, Dateline NBC, February 2010

Skyrocketing Heroin, Opium Use Ensnaring Afghan Children, ABC World News, April 2010

Skyrocketing Heroin, Opium Use Ensnaring Afghan Children, ABC Nightline, April 2010

Alcoholic Energy Drinks, CBS Evening News, October 2010

PUBLICATIONS

Books

1. Liu RH and Goldberger BA (eds). Handbook of Workplace Drug Testing. AACC Press, 1995 (380 pages) [second printing 1996 – 396 pages; Chinese translation 1997 – 448 pages].
2. Jenkins AJ and Goldberger BA (eds). On-Site Drug Testing. Humana Press, Inc., 2002 (276 pages).

3. Ropero-Miller JD and Goldberger BA (eds). Handbook of Workplace Drug Testing, 2nd Edition. AACC Press, 2008 (485 pages).

Chapters

1. Goldberger BA and Cone EJ: Heroin. *in* Encyclopedia of Analytical Science. Academic Press, 1995 (pp. 3861-3866).
2. Inoue T, Seta S and Goldberger BA: Analysis of drugs in unconventional samples. *in* Handbook of Workplace Drug Testing. AACC Press, 1995 (pp. 131-158).
3. Garside D and Goldberger BA: Determination of cocaine and opioids in hair. *in* Drug Testing in Hair. CRC Press, Inc., 1996 (pp. 151-180).
4. Winecker RE and Goldberger BA: Urine specimen suitability for drug testing. *in* Drug Abuse Handbook. CRC Press, Inc., 1998 (pp. 764-772).
5. Goldberger BA and Jenkins AJ: Drug Toxicology. *in* Sourcebook on Substance Abuse: Etiology, Epidemiology, Assessment, and Treatment. Allyn & Bacon, 1999 (pp. 184-196).
6. Kerrigan S and Goldberger BA: Opioids. *in* Principles of Forensic Toxicology. AACC Press, 1999 (pp. 202-220).
7. Magura S, Laudet A and Goldberger BA: Improving the validity of behavioral drug abuse research through drug testing. *in* Drug Testing Technology: Assessment of Field Applications. CRC Press, 1999 (pp. 215-233).
8. Garside D and Goldberger BA: Forensic and Medicolegal Issues. *in* Atlas of Hair and Nails. Churchill Livingstone, 1999 (pp. 227-232).
9. Kerrigan S and Goldberger BA: Drugs of Abuse - Body Fluids. *in* Encyclopedia of Forensic Sciences. Academic Press, 2000 (pp. 616-626).
10. Ropero JD and Goldberger BA. Opioids. *in* The Clinical Toxicology Laboratory - Contemporary Practice in Clinical Toxicology. AACC Press, 2001 (pp. 73-96).
11. Kerrigan S and Goldberger BA: Opioids. *in* Principles of Forensic Toxicology. AACC Press, 1999 (pp. 202-220). {revised – 2003} – 2nd edition.
12. Caplan YH and Goldberger BA: Blood, Urine and Other Fluid and Tissue Specimens for Alcohol Analyses. *in* Medical-Legal Aspect of Alcohol, fourth edition. Lawyers & Judges Publishing Company, 2003 (pp. 149-159).
13. Merves ML and Goldberger BA: Heroin. *in* Encyclopedia of Analytical Science, second edition. Elsevier Press, 2005 (pp. 260-266).

14. Kerrigan S and Goldberger BA: Forensic Toxicology. *in* Forensic Nursing. Elsevier Mosby Publishing, 2005 (pp. 123-139).
15. Kerrigan S and Goldberger BA: Substance Misuse – Alternative Body Fluids Analysis. *in* Encyclopedia of Forensic and Legal Medicine. Elsevier Press, 2005 (pp. 192-201).
16. Isenschmid DS and Goldberger BA: Workplace Testing – Analytical Considerations and Approaches for Drugs. *in* Drug Abuse Handbook, second edition. CRC Press, Inc., 2007 (pp. 775-799).
17. Merves ML and Goldberger BA: Quality Assurance, Quality Control, and Method Validation in Chromatographic Applications. *in* Chromatographic Methods in Clinical Chemistry and Toxicology. John Wiley & Sons, Ltd., 2007 (pp. 1-14).
18. Kerrigan S and Goldberger BA: Specimens of Maternal Origin – Amniotic Fluid & Breast Milk. *in* Drug Testing in Alternative Biological Specimens. Humana Press, Inc., 2008 (pp. 1-18).
19. Caplan YH and Goldberger BA: Blood, Urine and Other Fluid and Tissue Specimens for Alcohol Analyses. *in* Medical-Legal Aspect of Alcohol, 5th edition. Lawyers & Judges Publishing Company, 2008 (pp. 205-215).
20. Goldberger BA, Caplan YH and Shaw RF. Methods for Fluid Analysis. *in* Medical-Legal Aspect of Alcohol, 5th edition. Lawyers & Judges Publishing Company, 2008 (pp. 255-268).
21. Caplan YH and Goldberger BA: Legal Proceedings and the Expert Witness. *in* Medical-Legal Aspect of Alcohol, 5th edition. Lawyers & Judges Publishing Company, 2008 (pp. 423-436).
22. DuPont RL, Goldberger BA and Gold MS: Clinical and legal considerations in drug testing. *in* Principles of Addiction Medicine, 4th edition. Lippincott Williams & Wilkins. 2009 (pp. 1499-1507).
23. Kerrigan S and Goldberger BA: Opioids. *in* Principles of Forensic Toxicology, 3rd edition. AACCC Press, 2010 (pp. 225-244).
24. Goldberger BA, Chronister CW and Merves ML: Quantitation of Benzodiazepines in Blood and Urine using Gas Chromatography-Mass Spectrometry (GC-MS). *in* Clinical Applications of Mass Spectrometry. Humana Press, 2010 (pp. 75-87).
25. Goldberger BA, Chronister CW and Merves ML: Quantitation of Fentanyl in Blood and Urine using Gas Chromatography-Mass Spectrometry (GC-MS). *in* Clinical Applications of Mass Spectrometry. Humana Press, 2010 (pp. 245-252).

26. Goldberger BA, Chronister CW and Merves ML: Quantitation of Opioids in Blood and Urine using Gas Chromatography-Mass Spectrometry (GC-MS). *in* Clinical Applications of Mass Spectrometry. Humana Press, 2010 (pp. 399-410).
27. Goldberger BA, Chronister CW and Merves ML: Quantitation of Oxycodone in Blood and Urine using Gas Chromatography-Mass Spectrometry (GC-MS). *in* Clinical Applications of Mass Spectrometry. Humana Press, 2010 (pp. 453-460).
28. Merves ML and Goldberger BA. Forensic Toxicology. *in* Principles of Addictions and the Law – Applications in Forensic, Mental Health, and Medical Practice. Elsevier, 2010 (pp. 193-201).
29. Kerrigan S and Goldberger BA: Forensic Toxicology. *in* Forensic Nursing Science, 2nd Edition. Elsevier Mosby Publishing, 2011 (pp. 105-121).
30. DuPont RL, Goldberger BA and Gold MS: Clinical and legal considerations in drug testing. *in* Essentials of Addiction Medicine. Lippincott Williams & Wilkins, (in press).

Monographs

1. Goldberger BA: Acetaminophen, Caffeine, Chloramphenicol, Lithium and Procainamide Drug Monographs. *in* Drug Monitoring Data Pocket Guide II. AACC Press, 1994.
2. Goldberger BA: Opiates. Abused Drugs Monograph Series. Abbott Diagnostics, 1994.
3. Goldberger BA, Ropero-Miller JD, Zawta B and Jackson R: Drugs of abuse testing. Questions and Answers. Boehringer Mannheim Corporation, 1998. {revised and reprinted by Roche Diagnostics in 1999}
4. Hammett-Stabler C, Goldberger BA and Ropero-Miller JD: Abused drugs. *in* Medical Toxicology Self Study. American Association for Clinical Chemistry, 1998.
5. Ropero JD, Garside D and Goldberger BA. Opiates. *in* Contemporary Practice in Clinical Toxicology. American Association for Clinical Chemistry, 1998. {second edition, 2000}
6. Goldberger BA (ed.): Hair Analysis: Drugs of Abuse, Therapeutic Drugs, and Steroids {reprints of selected articles from the Journal of Analytical Toxicology}, 2001.
7. Price RK and Goldberger BA. Hair Analysis as a Test for Drug Use. *in* Encyclopedia of Drugs, Alcohol & Addictive Behavior, 3rd Edition. Macmillan Reference USA, 2008 (pp. 219-220).

Journal Articles (Refereed)

1. Black DL, Goldberger BA, Isenschmid DS, White SM and Caplan YH: Urine cannabinoid analysis: An integrated multi-method approach. *J. Analyt. Toxicol.* 8:224-227, 1984.

2. Goldberger BA and Caplan YH: Infrared quantitative evidential breath-alcohol analyzers: *In vitro* accuracy and precision studies. *J. Forensic Sci.* 31:16-19, 1986.
3. Goldberger BA, Caplan YH and Zettl JR: A long-term field experience with breath ethanol collection employing silica gel. *J. Analyt. Toxicol.* 10:194-197, 1986.
4. Goldberger BA and Caplan YH: *In vitro* accuracy and precision studies comparing direct and delayed analysis of the ethanol content of vapor. *J. Forensic Sci.* 32:48-54, 1987.
5. Black DL, Goldberger BA and Caplan YH: Enzyme immunoassay method for comprehensive drug screening in micro-samples of urine. *Clin. Chem.* 33:367-371, 1987.
6. Caplan YH, Levine B and Goldberger B: Fluorescence polarization immunoassay evaluated for screening for amphetamine and methamphetamine in urine. *Clin. Chem.* 33:1200-1202, 1987.
7. Levine B, Goldberger BA and Caplan YH: Evaluation of the Coat-A-Count radioimmunoassay for phencyclidine. *Clin. Chem.* 34:429, 1988.
8. McMullen NT, Goldberger B, Suter CM and Glaser EM: Neonatal deafening alters nonpyramidal dendrite orientation in auditory cortex: A computer microscope study in the rabbit. *J. Comp. Neurology* 267:92-106, 1988.
9. McMullen NT, Goldberger B and Glaser EM: Postnatal development of lamina III/IV nonpyramidal neurons in rabbit auditory cortex: Quantitative and spatial analyses of golgi-impregnated material. *J. Comp. Neurology* 278:139-155, 1988.
10. Jenkins AJ and Goldberger BA: Forensic chemistry: The analysis of controlled substances. *Therapeutic Drug Monitoring and Toxicology In-Service Training and Continuing Education Program, American Association for Clinical Chemistry* 13(1):7-15, 1991.
11. Goldberger BA, Caplan YH, Maguire T and Cone EJ: Testing human hair for drugs of abuse. III. Identification of heroin and 6-acetylmorphine as indicators of heroin use. *J. Analyt. Toxicol.* 15:226-231, 1991.
12. Levine BS, Wu SC, Goldberger BA and Caplan YH: Two fatalities involving haloperidol. *J. Analyt. Toxicol.* 15:282-284, 1991.
13. LoDico CP, Levine BS, Goldberger BA and Caplan YH: Distribution of isoniazid in an overdose death. *J. Analyt. Toxicol.* 16:57-59, 1992.
14. Goldberger BA and Jenkins AJ: Testing of abused drugs in urine by immunological techniques. *Therapeutic Drug Monitoring and Toxicology In-Service Training and Continuing Education Program, American Association for Clinical Chemistry* 13(8):7-18, 1992.

15. Heller PF, Goldberger BA and Caplan YH: Chloral hydrate overdose: Trichloroethanol detection by gas chromatography/mass spectrometry. *Forensic Sci. International* 52:231-234, 1992.
16. Ripple MG, Goldberger BA, Caplan YH, Blitzer MG and Schwartz S: Detection of cocaine and its metabolites in human amniotic fluid. *J. Analyt. Toxicol.* 16:328-331, 1992.
17. Ramcharitar V, Levine BS, Goldberger BA and Caplan YH: Bupropion and alcohol fatal intoxication: Case report. *Forensic Sci. International* 56:151-156, 1992.
18. Goldberger BA, Darwin WD, Grant TM, Allen AC, Caplan YH and Cone EJ: Measurement of heroin and its metabolites by isotope-dilution electron-impact mass spectrometry. *Clin. Chem.* 39:670-675, 1993.
19. Klette KL, Levine B, Dreka C, Smith ML and Goldberger BA: Cholinesterase activity in postmortem blood as a screening test for organophosphate/chemical weapon exposure. *J. Forensic Sci.* 38:950-955, 1993.
20. Cone EJ, Holicky BA, Grant TM, Darwin WD and Goldberger BA: Pharmacokinetics and pharmacodynamics of intranasal "snorted" heroin. *J. Analyt. Toxicol.* 17:327-337, 1993.
21. Goldberger BA, Cone EJ, Grant TM, Caplan YH, Levine BS and Smialek JE: Disposition of heroin and its metabolites in heroin-related deaths. *J. Analyt. Toxicol.* 18:22-28, 1994.
22. Jenkins AJ and Goldberger BA: New antidepressants. *Therapeutic Drug Monitoring and Toxicology In-Service Training and Continuing Education Program, American Association for Clinical Chemistry* 15:79-87, 1994.
23. Goldberger BA and Caplan YH: Letter. The effect of glutaraldehyde (UrinAid) on the detection of abused drugs by immunoassay. *Clin. Chem.* 40:1605-1606, 1994.
24. Goldberger BA and Cone EJ: Review. Confirmatory tests for drugs in the workplace by GC/MS. *J. Chromatogr. A* 674:73-86, 1994.
25. Goldberger BA, Watts VW and Simonick TF: Analysis of volatiles by headspace gas chromatography. *Therapeutic Drug Monitoring and Toxicology In-Service Training and Continuing Education Program, American Association for Clinical Chemistry* 15:231-236, 1994.
26. Goldberger BA, Loewenthal B, Darwin WD and Cone EJ: Technical brief. Intrasubject variation of creatinine and specific gravity measurements in consecutive urine specimens of heroin users. *Clin. Chem.* 41:116-117, 1995.

27. Goldberger BA, Cone EJ and Kadehjian L: Letter to the editor. Unsuspected ethanol ingestion through soft drinks and flavored beverages. *J. Analyt. Toxicol.* 20:332-333, 1996.
28. Ropero JD, Garside D and Goldberger BA: Synthetic and semisynthetic opioid analgesics. *Therapeutic Drug Monitoring and Toxicology In-Service Training and Continuing Education Program, American Association for Clinical Chemistry* 17:261-271, 1996.
29. Winecker RE, Goldberger BA, Tebbett I, Behnke M, Eycler FD, Conlon M, Wobie K, Karlix J and Bertholf RL: Detection of cocaine and its metabolites in amniotic fluid and umbilical cord tissue. *J. Analyt. Toxicol.* 21:97-104, 1997.
30. Garside D, Goldberger BA, Preston KL and Cone EJ: Rapid liquid-liquid extraction of cocaine from urine for gas chromatographic-mass spectrometric analysis. *J. Chromatogr.* 692:61-65, 1997.
31. Ropero-Miller JD, Garside D and Goldberger BA: Technical brief. Automated on-line hydrolysis of benzodiazepines improves sensitivity of urine screening by a homogeneous enzyme immunoassay. *Clin. Chem.* 43:1659-1660, 1997.
32. Jenkins AJ and Goldberger BA: Identification of unique cocaine metabolites and smoking by-products in postmortem blood and urine specimens. *J. Forensic Sci.* 42:824-827, 1997.
33. Goldberger BA, Huestis MA and Wilkins DG: Commonly practiced quality control and quality assurance procedures for gas chromatography/mass spectrometry analysis in forensic urine drug-testing laboratories. *Forensic Sci. Review* 9:59-80, 1997.
34. Garside D, Ropero-Miller JD, Goldberger BA, Hamilton WF and Maples WR: Identification of cocaine analytes in fingernail and toenail specimens. *J. Forensic Sci.* 43:974-979, 1998.
35. Goldberger BA, Darraj AG, Caplan YH and Cone EJ: Detection of methadone, methadone metabolites, and other illicit drugs of abuse in hair of methadone treatment subjects. *J. Analyt. Toxicol.* 22:526-530, 1998.
36. Ropero-Miller JD and Goldberger BA: Recreational drugs: Current trends in the 90's. *Clin. Lab. Med.* 18:727-746, 1998.
37. Preston KL, Goldberger BA and Cone EJ: Occurrence of cocaine in urine of substance abuse treatment patients. *J. Analyt. Toxicol.* 22:580-586, 1998.
38. McCusker R, Paget-Wilkes H, Chronister C, Goldberger BA and ElSohly MA: Analysis of gamma-hydroxybutyrate (GHB) in urine by gas chromatography/mass spectrometry. *J. Analyt. Toxicol.* 23:301-305, 1999.

39. Preston KL, Huestis MA, Wong CJ, Umbricht A, Goldberger BA and Cone EJ: Monitoring cocaine use in substance-abuse-treatment patients by sweat and urine testing. *J. Analyt. Toxicol.* 23:313-322, 1999.
40. Hattab EM, Goldberger BA, Johannsen LM, Kindland PW, Ticino F, Chronister CW and Bertholf RL: Modification of screening immunoassays to detect sub-threshold concentrations of cocaine, cannabinoids, and opiates in urine: Use for detecting maternal and neonatal drug exposure. *Ann. Clin. Lab. Sci.* 30:85-91, 2000.
41. Ropero-Miller JD, Paget-Wilkes H, Doering PL and Goldberger BA: Effect of oral creatine supplementation on random urine creatinine, pH, and specific gravity measurements. *Clin. Chem.* 46:295-297, 2000.
42. Ropero-Miller JD, Goldberger BA, Cone EJ and Joseph Jr, RE: The disposition of cocaine and opiate analytes in hair and fingernails of humans following cocaine and codeine administration. *J. Analyt. Toxicol.* 24:496-508, 2000.
43. Caplan YH and Goldberger BA. Alternative Specimens for Workplace Drug Testing: *J. Analyt. Toxicol.* 25:396-399, 2001.
44. Winecker RE, Goldberger BA, Tebbett IR, Behnke M, Eyler FD, Karlix JL, Wobie K, Conlon M, Phillips D and Bertholf RL: Detection of Cocaine and Its Metabolites in Breast Milk. *J. Forensic Sci.* 46:1221-1223, 2001.
45. Chronister CW, Walrath JC and Goldberger BA: Rapid Detection of Benzoylcegonine in Vitreous Humor by Enzyme Immunoassay. *J. Analyt. Toxicol.* 25:621-624, 2001.
46. Goldberger BA and Polettini A: Forensic Toxicology: Web Resources. *Toxicology* 173:97-102, 2002.
47. Murray RA, Doering PL, Boothby LA, Merves ML, McCusker RR, Chronister CW and Goldberger BA: Putting an Ecstasy Test Kit to the Test – Harm Reduction or Harm Induction?. *Pharmacotherapy* 23:1238-1244, 2003.
48. McCusker RR, Goldberger BA and Cone EJ: Caffeine Content of Specialty Coffees. *J. Analyt. Toxicol.* 27:520-522, 2003.
49. Szabo ST, Gold MS, Goldberger BA and Blier P: Effects of Sustained Gamma-Hydroxybutyrate Treatments on Spontaneous and Evoked Firing Activity of Locus Coeruleus Norepinephrine Neurons. *Biol. Psychiatry* 55: 934-939, 2004.
50. Drummer O, Forrest ARW, Goldberger B and Karch SB. Forensic Science in the Dock *British Med J.* 329:636-637, 2004.
51. Li M, Goldberger BA and Hopkins C: Fatal Case of Botox[®]-Related Anaphylaxis? A Case Report. *J. Forensic Sci.* 50:169-172, 2005.

52. McCusker RR, Goldberger BA and Cone EJ: Caffeine Content of Energy Drinks, Carbonated Sodas and Other Beverages. *J. Analyt. Toxicol.* 30:112-114, 2006.
53. McAuliffe PF, Gold MS, Bajpai L, Merves ML, Frost-Pineda K, Pomm RM, Goldberger BA, Melker RJ and Cendan JC: Second-hand exposure to aerosolized intravenous anesthetics propofol and fentanyl may cause sensitization and subsequent opiate addiction among anesthesiologists and surgeons. *Med. Hypotheses.* 66:874-882, 2006.
54. O'Dell LE, Bruijnzeel AW, Smith RT, Parsons LH, Merves ML, Goldberger BA, Richardson HN, Koob GF and Markou A. Diminished nicotine withdrawal in adolescent rats: implications for vulnerability to addiction. *Psychopharmacology.* 186:612-619, 2006.
55. Gold MS, Frost-Pineda K, Goldberger BA and DuPont RL. Letter to the Editor – Physicians and Drug Screening. *J. Adolesc. Health.* 39:154-155, 2006.
56. McCusker RR, Fuehrlein B, Goldberger BA, Gold MS and Cone EJ: Caffeine Content of Decaffeinated Coffee. *J. Analyt. Toxicol.* 30:611-613, 2006.
57. Gold MS, Kolodner D, Logan D and Goldberger BA. Response by Mark Gold et al. *J. Addict. Dis.* 25:141-144, 2006.
58. Goldberger BA, Graham NA, Nelson SJ, Cadet JL and Gold MS. A marked increase in cocaine-related deaths in the state of Florida: precursor to an epidemic? *J. Addict. Dis.* 26:113-116, 2007.
59. Gold MS, Graham NA, Kobiessy F, Pepine CJ and Goldberger BA. Letter to the Editor – Speed, Cocaine, and Other Psychostimulants Death Rates. *Am. J. Cardiol.* 100:1184, 2007.
60. Reisfield GM, Haddad J, Wilson GR, Johannsen LM, Voorhees KL, Chronister CW, Goldberger BA, Peele JD and Bertholf RL. Failure of amoxicillin to produce false positive urine screens for cocaine metabolite. *J. Analyt. Toxicol.* 32:315-318 (2008).
61. Graham NA, Merlo LJ, Goldberger BA and Gold MS. Methadone- and heroin-related deaths in Florida. *Am. J. Drug. Alcohol Abuse* 34:347-353 (2008).
62. Ledgerwood DM, Goldberger BA, Risk NK, Lewis CE and Price RK. Comparison between Self-Report and Hair Analysis of Illicit Drug Use in a Community Sample of Middle-Age Men. *Addict. Behav.* 33:1131-1139 (2008).
63. Chronister CW, Gascoigne A and Goldberger BA. Rapid Detection of Opioids in Vitreous Humor by Enzyme Immunoassay. *J. Analyt. Toxicol.* 32:601-604 (2008).
64. Chin JM, Merves ML, Goldberger BA, Sampson-Cone A and Cone EJ. Caffeine Content of Brewed Teas. *J. Analyt. Toxicol.* 32:702-704 (2008).

65. Merlo LJ, Goldberger BA, Kolodner D, Fitzgerald K and Gold MS. Fentanyl and propofol exposure in the operating room: sensitization hypotheses and further data. *J Addict Dis.* 27:67-76 (2008).
66. Thombs DL, O'Mara R, Dodd VJ, Hou W, Merves M, Weiler RM, Pokorny SB, Goldberger BA, Reingle J and Werch C. A Field Study of Bar-Sponsored Drink Specials and their Association with Patron Expenditures, Drinking Behavior, and Intoxication. *J. Stud. Alcohol Drugs* 70:206-214 (2009).
67. Thombs DL, O'Mara R, Dodd VJ, Merves ML, Weiler RM, Goldberger BA, Pokorny SB, Moore C, Reingle J, and Gullet SE. Event-Specific Analyses of Poly-Drug Abuse and Concomitant Risk Behaviors in a College Bar District in Florida. *J. Am. Coll. Health* 57:575-86 (2009).
68. Graham NA, Gold MS, and Goldberger BA. Letter to the Editor - Prescription opioids and overdose deaths. *JAMA* 301:1766 (2009).
69. Reisfield GM, Goldberger BA, and Bertholf RL. 'False positive' and 'false negative' test results in clinical urine drug testing. *Bioanalysis* 1:937-952 (2009).
70. O'Mara RJ, Thombs DL, Wagenaar AC, Rossheim ME, Merves ML, Hou W, Dodd VJ, Pokorney SB, Weiler RM and Goldberger BA. Alcohol Price and Intoxication in College Bars. *Alcoholism: Clinical and Experimental Research* 33: 1973-1980 (2009).
71. Reisfield GM, Chronister CW, Goldberger BA and Bertholf RL. Unexpected urine drug testing results in a hospice patient on high-dose morphine therapy. *Clin. Chem.* 55:1765-1769 (2009).
72. Thombs DL, O'Mara RJ, Tsukamoto M, Rossheim ME, Weiler RM, Merves ML and Goldberger BA. Event-level analyses of energy drink consumption and alcohol intoxication in bar patrons. *Addict. Behav.* 35: 325-330 (2010).
73. Gold MS, Graham NA and Goldberger BA. Second-hand and third-hand drug exposures in the operating room: a factor in anesthesiologists' dependency on fentanyl. *J Addict Dis.* 29: 280-281 (2010).
74. Thombs DL, O'Mara RJ, Wei H, Wagenaar AC, Dong HJ, Merves ML, Goldberger BA, Weiler RM, Dodd VJ and Clapp JD. 5-HTTLPR genotype and associations with intoxication and intention to drive: Results from a field study of bar patrons. *Addict. Bio.* 16: 133-141 (2011).
75. Reisfield GM, Goldberger BA, Crews BO, Pesce AJ, Wilson GR, Teitelbaum SA and Bertholf RL. Ethyl glucuronide, ethyl sulfate, and ethanol in urine after sustained exposure to an ethanol-based hand sanitizer. *J. Analyt. Toxicol.* (in press).
76. Morey TE, Booth MM, Prather R, Nixon SJ, Boissoneault J, Melker RM, Goldberger BA, Wohltjen H and Dennis DM. Measurement of ethanol in gaseous breath using a

miniature gas chromatograph. *J. Analyt. Toxicol.* (in press).

Proceedings

1. Goldberger BA and Caplan YH: Evaluation of the adsorption and desorption of ethanol from breath specimens using silica gel. The International Symposium on Driving Under the Influence of Alcohol and/or Drugs, Federal Bureau of Investigation, Quantico, Virginia, pp. 119-121, 1986.
2. Caplan YH, Goldberger BA and Physioc GE: Comparison of a Breathalyzer Model 900B prototype with the Breathalyzer Model 900A. 11th International Conference on Alcohol, Drugs and Traffic Safety, National Safety Council, Chicago, Illinois, pp. 766-768, 1991.
3. Caplan YH, Levine BS and Goldberger BA: Drugs in driver fatalities: A preliminary study in the state of Maryland. 11th International Conference on Alcohol, Drugs and Traffic Safety, National Safety Council, Chicago, Illinois, pp. 824-828, 1991.
4. Cone EJ and Goldberger BA: Pharmacokinetics and tissue distribution of opiates. Drug Abuse in the Decade of the Brain, Symposium for Health and Substance Abuse Professionals, Houston, Texas, pp. 71-77, 1997.

Articles (Not Refereed)

1. Isenschmid DS, Goldberger BA, Caplan YH and Straus PW: GC-MS automation for drug testing laboratories. Hewlett-Packard Application Note, GCMS 89-3, 1989.
2. Goldberger BA: Heroin. *Therapeutic Drug Monitoring and Toxicology*, American Association for Clinical Chemistry 12(12): 3-4, 1991.
3. Goldberger BA: Bupropion. *Therapeutic Drug Monitoring and Toxicology*, American Association for Clinical Chemistry 13(8): 3-4, 1992.
4. Jenkins AJ, Goldberger BA, Caplan YH and Hoey LD: GC/MS confirmation of benzoylecgonine in blood, plasma and urine specimens. Hewlett-Packard Application Note, GCMS 92-01, 1992.
5. Goldberger BA: Cocaethylene. *Therapeutic Drug Monitoring and Toxicology*, American Association for Clinical Chemistry 13(16): 3-4, 1992.
6. Jenkins AJ, Goldberger BA, Cone EJ and Hoey LD: GC/MS Assay of 6-acetylmorphine in plasma. Hewlett-Packard Application Note, GCMS 93-04, 1993.
7. Goldberger BA: Lysergic acid diethylamide. *Therapeutic Drug Monitoring and Toxicology*, American Association for Clinical Chemistry 14: 99-100, 1993.
8. Goldberger BA: Clonidine. *Therapeutic Drug Monitoring and Toxicology*, American Association for Clinical Chemistry 15: 3-4, 1994.

9. Goldberger BA: Methadone. Therapeutic Drug Monitoring and Toxicology, American Association for Clinical Chemistry 15: 155-156, 1994.
10. Goldberger BA: Venlafaxine. Therapeutic Drug Monitoring and Toxicology In-Service, American Association for Clinical Chemistry 16: 3-4, 1995.
11. Garside D and Goldberger BA: Nefazodone. Therapeutic Drug Monitoring and Toxicology, American Association for Clinical Chemistry 16: 109-110, 1995.
12. Goldberger BA and Huestis MA: GC/MS: Quality assurance/quality control procedures for forensic urine drug testing laboratories. Hewlett-Packard Application Note 228-322, July, 1995.
13. Garside D and Goldberger BA: Zolpidem. Therapeutic Drug Monitoring and Toxicology, American Association for Clinical Chemistry 16: 193-195, 1995.
14. Goldberger BA and Miles WS: Benzoylcegonine in urine: Validating a PrepStation/GC/MSD system that integrates automated sample preparation with analysis. Hewlett-Packard Application Note 228-338, October, 1995.
15. Garside D and Goldberger BA: Ranitidine. Therapeutic Drug Monitoring and Toxicology, American Association for Clinical Chemistry 16: 277-279, 1995.
16. Goldberger BA and Miles WS: THC-acid in urine: Validating a PrepStation/GC/MSD system that integrates automated sample preparation with analysis. Hewlett-Packard Application Note 228-345, December 1995.
17. Goldberger BA and Miles WS: PCP in urine: Validating a PrepStation/GC/MSD system that integrates automated sample preparation with analysis. Hewlett-Packard Application Note 228-346, December, 1995.
18. Goldberger BA and Miles WS: Opiates in urine: Validating a PrepStation/GC/MSD system that integrates automated sample preparation with analysis. Hewlett-Packard Application Note 228-347, December, 1995.
19. Garside D and Goldberger BA: Valproate - A new treatment for bipolar disorder. Therapeutic Drug Monitoring and Toxicology, American Association for Clinical Chemistry 17: 55-56, 1996.
20. Goldberger BA: What the Experts Think - Improving Drug Detection in the Workplace through the Analysis of Alternative Specimens. Clin Lab News 25: 12:1999.
21. President's Editorial - Fostering Advancements in Forensic Science. J. Forensic Sci. 53:5, 2008.

Abstracts

1. Goldberger BA and Caplan YH: An in vitro accuracy and precision study of four quantitative breath alcohol analyzers. Mid-Atlantic Association of Forensic Scientists, Washington, D.C., 1985.
2. Goldberger BA and Caplan YH: The Breathalyzer 900/900A: Breath collection and delayed alcohol analysis. Mid-Atlantic Association of Forensic Scientists, Washington, D.C., 1985.
3. Goldberger BA and Caplan YH: Delayed vapor alcohol analysis using silica gel: accuracy, precision, stability and field studies. American Academy of Forensic Sciences, New Orleans, Louisiana, 1986.
4. Goldberger BA and Caplan YH: Evaluation of the adsorption and desorption of ethanol from breath specimens using silica gel. The International Symposium on Driving Under the Influence of Alcohol and/or Drugs, Federal Bureau of Investigation, Quantico, Virginia, 1986.
5. Goldberger BA and Caplan YH: Experiences with silica gel trapping of alcohol in breath testing. American College of Toxicology, Baltimore, Maryland, 1987.
6. Goldberger BA: Automation for forensic urine drug testing laboratories. Scientific Computing and Automation, Conference and Exposition, Philadelphia, Pennsylvania, 1989.
7. Isenschmid DS, Goldberger BA, Harbin GF and Caplan YH: Customizing the HP-1000 GC/MS data system for automated data analysis. Scientific Computing and Automation, Conference and Exposition, Philadelphia, Pennsylvania, 1989.
8. Caplan YH, Levine BS and Goldberger BA: Drugs in driver fatalities: A preliminary study in the state of Maryland. International Conference on Alcohol, Drugs and Traffic Safety, Chicago, Illinois, 1989.
9. Caplan YH, Goldberger BA and Physioc GE: Comparison of a Breathalyzer Model 900B prototype with the Breathalyzer Model 900A. International Conference on Alcohol, Drugs and Traffic Safety, Chicago, Illinois, 1989.
10. Goldberger BA, Caplan YH, Maguire T and Cone EJ: Detection of heroin and 6-acetylmorphine in hair. Society of Forensic Toxicologists, Montreal, Canada, 1991.
11. Cone EJ and Goldberger BA: Decontamination issues in testing hair for cocaine and heroin. Society of Forensic Toxicologists, Montreal, Canada, 1991.
12. Goldberger BA, Caplan YH, Darwin WD and Cone EJ: Assay development for heroin and metabolites by gas chromatography/mass spectrometry. American Academy of Forensic Sciences, New Orleans, Louisiana, 1992.

13. Klette KL, Levine B, Smith M, Goldberger B and Dreka C: Cholinesterase activity in postmortem blood, as an indication of chemical weapon exposure. American Academy of Forensic Sciences, New Orleans, Louisiana, 1992.
14. Goldberger BA, Grant TM, Darwin WD, Jenkins AJ, Cone EJ and Caplan YH: Identification of heroin, 6-acetylmorphine and morphine in post mortem urine by GC/MS. Society of Forensic Toxicologists, Cromwell, Connecticut, 1992.
15. Jenkins AJ, Goldberger BA, Darwin WD and Cone EJ: Identification of unique cocaine metabolites and smoking by-products in postmortem blood and urine specimens. American Academy of Forensic Sciences, Boston, Massachusetts, 1993.
16. Goldberger BA, Caplan YH and Cone EJ: Measurement and interpretation of heroin, 6-acetylmorphine and morphine concentrations in biological tissues obtained from heroin users and heroin-related deaths. Society of Forensic Toxicologists, Phoenix, Arizona, 1993.
17. Goldberger BA, Caplan YH and Miles WS: Automated solid-phase extraction and GC/MS analysis of benzoylecgonine in urine. American Academy of Forensic Sciences, San Antonio, Texas, 1994.
18. Goldberger BA, Cone EJ and Caplan YH: Significance of heroin and 6-acetylmorphine in hair. 2nd International Meeting on Clinical and Forensic Aspects of Hair Analysis, Genova, Italy, 1994.
19. Goldberger BA, Darraj AG, Cone EJ and Caplan YH: Detection of methadone, methadone metabolites, and other illicit drugs of abuse in hair of methadone treatment Subjects. 2nd International Meeting on Clinical and Forensic Aspects of Hair Analysis, Genova, Italy, 1994.
20. Garside D and Goldberger BA: "CyberTox": Toxicology resources on the Internet. Society of Forensic Toxicologists, Baltimore, Maryland, 1995.
21. Goldberger BA and Garside D: Toxicological investigation of the Jesse James exhumation. American Academy of Forensic Sciences, Nashville, Tennessee, 1996.
22. Winecker RE, Tebbett I, Goldberger BA and Bertholf RL: Utility of maternal hair for determining prenatal cocaine exposure. American Association for Clinical Chemistry, Chicago, Illinois, 1996.
23. Ropero JD, Garside D, Goldberger BA, Smialek JE, Zielke RH and Vigorito R: Preliminary findings of hair analysis in SIDS-Related deaths. Society of Forensic Toxicologists, Denver, Colorado, 1996.
24. Goldberger BA and Caplan YH: The C.I.A., LSD and the Strange death of Frank R. Olson, Ph.D.: What the June 1994 exhumation hath wrought!; Toxicological analyses. American Academy of Forensic Sciences, New York City, New York, 1997.

25. Preston KL, Silverman K, Goldberger BA and Cone EJ: Criteria for identifying new cocaine use: Presence of cocaine in urine. American Society for Clinical Pharmacology and Therapeutics, San Diego, California, 1997.
26. Ropero-Miller JD, Goldberger BA, Vance R and Kintz P: Implementation of the State of Florida hair analysis proficiency testing program. Society of Forensic Toxicologists, Salt Lake City, Utah, 1997.
27. Goldberger BA: The Death of J. Edgar Hoover: A mystery in search of a solution – Toxicological considerations. American Academy of Forensic Sciences, San Francisco, California, 1998.
28. Ropero-Miller JD, Garside D, Goldberger BA, Hamilton WF and Maples WR: Nails: Another useful matrix for the identification of cocaine exposure. American Academy of Forensic Sciences, San Francisco, California, 1998.
29. Winecker RE, Goldberger BA, Tebbett IR, Behnke M, Eyler FD, Karlix J, Wobie K, Phillips D and Bertholf RL: Cocaine in breast milk: The potential for postnatal cocaine exposure. American Academy of Forensic Sciences, San Francisco, California, 1998.
30. Logan BK, Blaho K, Mandrell T, Berryman H, Goff ML, Goldberger B, Schwilke G and Ropero-Miller JD: Effects of death and decomposition on concentrations of cocaine and metabolites in juvenile swine. American Academy of Forensic Sciences, San Francisco, California, 1998.
31. Ropero-Miller JD, Goldberger BA and Doering PL: Oral creatine supplementation and its effect on urinary creatinine, pH, and specific gravity measurements. Joint meeting of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists, Albuquerque, New Mexico, 1998.
32. Goldberger BA: Forensic Colloquia (Jurisprudence Section) – The Melinda McIntosh exhumation; Toxicological analysis. American Academy of Forensic Sciences, Orlando, Florida, 1999.
33. Ropero-Miller JD, Goldberger BA, Oyler JM, Cone EJ and Joseph Jr, RE: Drug testing with alternative matrices: Cocaine disposition in hair and fingernails. American Academy of Forensic Sciences, Orlando, Florida, 1999.
34. Bertholf RL, Goldberger BA, Johannsen LM, Chronister CW and Hattab E: Use of CEDIA screening methods for cocaine metabolite, cannabinoids, and opiates at sub-threshold concentrations: Improved sensitivity in clinical applications. American Academy of Forensic Sciences, Orlando, Florida, 1999.
35. McCusker RR, Paget-Wilkes H, Chronister C, Goldberger BA and ElSohly MA: Analysis of gamma-hydroxybutyrate (GHB) in urine by gas chromatography/mass spectrometry. Society of Forensic Toxicologists, Puerto Rico, 1999.

36. Chronister CW, Walrath JC and Goldberger BA: Detection of cocaine/cocaine Metabolite in vitreous humor by cloned enzyme donor immunoassay. Society of Forensic Toxicologists, Milwaukee, Wisconsin, 2000.
37. Goldberger BA, Frost-Pineda K and Gold MS. Ecstasy deaths in the State of Florida: A post-mortem analysis. Society of Biological Psychiatry, Philadelphia, Pennsylvania, 2002.
38. Goldberger BA, Frost-Pineda K and Gold MS: Methadone overdose deaths in the State of Florida: A post-mortem analysis. American College of Clinical Pharmacology, San Francisco, California, 2002.
39. Szabo ST, Gold MS, Goldberger BA, Blier P. Effects of sustained gamma-hydroxybutyrate (GHB) treatments on spontaneous and evoked firing activity of locus coeruleus neurons. Society of Neuroscience, Orlando, Florida, 2002.
40. Murray RA, Doering PL, Merves ML, McCusker RR, Chronister CW and Goldberger BA: Putting an ecstasy test kit to the test. American Academy of Forensic Sciences, Chicago, Illinois, 2003.
41. Merves ML, McCusker RR, Chronister CW and Goldberger BA: Analysis of barbiturates by fast GC: A preliminary study. American Academy of Forensic Sciences, Chicago, Illinois, 2003.
42. Goldberger BA, Frost-Pineda K, Gold MS. Methadone related deaths exceed heroin in the State of Florida. American Society for Addiction Medicine. Toronto, Canada, 2003.
43. Goldberger BA, Lessig MC, McCusker RR, Cone EJ and Gold MS. Evaluation of current caffeine content of coffee beverages: Recommendations for clinicians regarding caffeine exposure. Society of Biological Psychiatry, San Francisco, California, 2003.
44. Goldberger BA, Merves ML, Frost-Pineda K, Gold MS. The use and abuse of prescription opioids: An epidemic of deaths in the State of Florida. College on Problems of Drug Dependence. Bal Harbour, Florida, 2003.
45. Szabo ST, Gold MS, Goldberger BA, Blier P. Effects of sustained gamma-hydroxybutyrate (GHB) treatments on spontaneous and evoked firing activity of locus coeruleus norepinephrine neurons. American College of Clinical Pharmacology. Palm Harbor, Florida, 2003.
46. Goldberger BA, Merves ML, Frost-Pineda K, Gold MS. Use, misuse and diversion of methadone and hydrocodone: The deaths continue to increase. American College of Clinical Pharmacology. Palm Harbor, Florida, 2003.
47. McCusker RR, Merves ML, Goldberger BA and Cone EJ. Café Noir, Café Au Lait, or just caffeine? Society of Forensic Toxicologists, Portland, Oregon, 2003.

48. Langee CL, Goldberger BA and Martin JV. Postmortem morphine concentrations – Are they meaningful? American Academy of Forensic Sciences, Dallas, Texas, 2004.
49. Li M, Goldberger BA and Hopkins C. Fatal Botox-induced anaphylaxis? A case report. American Academy of Forensic Sciences, Dallas, Texas, 2004.
50. Goldberger BA, Frost-Pineda K, Gold MS. Methadone related deaths exceed heroin in the State of Florida. American Society for Addiction Medicine. New York, New York, 2004.
51. Goldberger BA, McCusker RR, Byars JA, Frost-Pineda K and Gold MS. Decaffeinated coffee: An oxymoron. Society of Biological Psychiatry, New York, New York, 2004.
52. Merves ML, Chronister CW, Goldberger BA, Melker RJ and Gold MS. Detection of cotinine in exhaled breath by gas chromatography-mass spectrometry – A preliminary study. Society of Forensic Toxicologists, Washington, D.C., 2004.
53. Goldberger BA, Melker RJ, Merves ML, Frost-Pineda K and Gold MS. Measuring and quantifying substance abuse: cotinine in exhaled breath. Society for Neuroscience, San Diego, California, 2004.
54. Fuehrlein B, Goldberger BA, McCusker RR, Warren MW and Gold MS. The addictive potential of decaffeinated coffee. Society for Neuroscience, San Diego, California, 2004.
55. Goldberger BA, Fileger MI, Merves ML and Gold MS. Fentanyl use and abuse: New emerging trends in drug abuse. College on Problems of Drug Dependence. Orlando, Florida, 2005.
56. McCusker RR, Merves ML, Goldberger BA and Cone EJ. Cafe Noir, Cafe Au Lait, or just caffeine? – Part 2. Society of Forensic Toxicologists, Nashville, Tennessee, 2005.
57. Goldberger BA, Merves ML, MacDougall KN, Chronister CW, Martínez MA and Nelson SJ. Paraquat in exhumed remains by gas chromatography-mass spectrometry. Society of Forensic Toxicologists, Nashville, Tennessee, 2005.
58. Merves ML, Grosskopf TD, Chronister CW and Goldberger BA. Detection of benzoylecgonine in urine using the V-Flex system. American Academy of Forensic Sciences, Seattle, Washington, 2006.
59. Bedore LR, Goldberger BA and Lonesk KH. FEMORS – The State of Florida’s mass fatality response team. American Academy of Forensic Sciences, Seattle, Washington, 2006.
60. Kero FA, Booth MM, Dennis DM, Goldberger BA, Conner GE and Yost RA. Development of a high-throughput SPE-LC-MS/MS method to quantify trace levels of endogenous thiocyanate in complex biological fluids. American Society for Mass Spectrometry, Seattle, Washington, 2006.

61. Cone EJ, Schnoll S, Pinney J, Henningfield JE, Fant RV, Goldberger BA and Chronister CW. Internet monitoring: getting high by pharmaceutical tampering. The International Association of Forensic Toxicologists, Ljubljana, Slovenia, 2006.
62. Goldberger BA, Merves ML, Gres K, Melker RJ, Goodman WK, Gold MS. Further Evidence of Second-hand Exposure to Drugs in the Operating Room. Society for Neuroscience, Atlanta, Georgia, 2006.
63. Cunningham MA, Goldberger BA, Graham NA and Gold MS, Cocaine – A Recurring Epidemic in the Florida? Society for Neuroscience, Atlanta, Georgia, 2006.
64. Cunningham MA, Graham NA, Goldberger BA and Gold MS, Cocaine Abuse in 2006 – A New Epidemic. American Academy of Addiction Psychiatry, St. Pete Beach, Florida, 2006.
65. Markou A, Bruijnzeel AW, Parsons LH, Goldberger BA, Koob GF and O'Dell LE. Diminished nicotine withdrawal in adolescent rats: implications for vulnerability to addiction. Society of Biological Psychiatry, San Diego, California, 2007.
66. Goldberger BA, Graham NA and Gold MS. Cocaine Abuse in 2006 - A New Epidemic? Society of Biological Psychiatry, San Diego, California, 2007.
67. Gold MS, Goldberger BA and Melker R. Anesthesiologists & Opioid Dependence: Secondhand Exposure through Air & Skin. Society of Biological Psychiatry, San Diego, California, 2007.
68. Kero FA, Morey TE, Smith WB, Booth MM, Goldberger BA, Melker RJ, Yost RA and Dennis DM. From Blood to Breath: the Detection of THC in Exhaled Breath by Adsorbent Tube LC-MS/MS. American Society for Mass Spectrometry, Indianapolis, Indiana, 2007.
69. Merves ML, Chronister CW, Smith WB, Morey TE, Melker RJ, Dennis DM and BA Goldberger. Detection of Ethanol in Exhaled Breath Condensate: A Preliminary Study. The International Association of Forensic Toxicologists & International Council on Alcohol, Drugs, and Traffic Safety, Seattle, Washington, 2007.
70. Merves ML, Meka VV, Lutz BJ, Chronister, Euliano NR, Melker RJ and Goldberger BA. Propofol in Pig Breath and Plasma. Society of Forensic Toxicologists, Durham, North Carolina, 2007.
71. Merves ML, Chin JM, Chronister CW, Goldberger BA, Sampson-Cone A and Cone EJ. Confronting the Caffeine Confusion of Tea Infusions. Society of Forensic Toxicologists, Durham, North Carolina, 2007.

72. Graham NA, Goldberger BA, Gold MS. Adding Medical Examiner Reports to Trend Analysis and Interventions. American Society of Addiction Medicine 39th Annual Medical-Scientific Conference, Toronto, Ontario, Canada, 2008.
73. Graham NA, Merlo L, Win S, Hammond C, Burt M, Hamilton W, Goldberger B and Gold M. Demographic Characteristics of Cocaine-Related Decedents in Gainesville, FL. College on Problems of Drug Dependence, San Juan, PR, 2008.
74. van Leeuwen YA, Merves ML, Stroman ML, Erwine MB and Goldberger BA. A Rapid LC-MS/MS Method for Fentanyl in Post Mortem Blood. Society of Forensic Toxicologists, Phoenix, Arizona, 2008.
75. Coulter C, Miller E, Moore CM, Merves ML, Goldberger BA, Thombs DL and Weiler RM. Stability of tetrahydrocannabinol (THC) in oral fluid over a nine month period. Society of Forensic Toxicologists, Phoenix, Arizona, 2008.
76. Coulter C, Miller E, Moore CM, Merves ML, Goldberger BA, Thombs, DL and Weiler RM. Stability of amphetamine (AMP) in oral fluid over a nine month period. Society of Forensic Toxicologists, Phoenix, Arizona, 2008.
77. Burt MJ, Merves ML, Chronister CW and Goldberger BA. Propofol by Homicide. American Academy of Forensic Sciences, Denver, Colorado, 2009.
78. Reingle J, Merves ML, Goldberger BA, Weiler RM, O'Mara RJ, Haderxhanaj LT and Thombs DL. Energy Drinks and Alcohol Intoxication in a College Bar District. American Academy of Health Behavior, Hilton Head, South Carolina, 2009.
79. Weiler RM, Reingle JM, O'Mara RJ, Haderxhanaj LT, Merves ML, Goldberger BA, Dodd VJ and Thombs DL. Prescription Drug Abuse, Alcohol Intoxication, and Alcohol Use Disorders Among College Students: Results from a Field Study. American Academy of Health Behavior, Hilton Head, South Carolina, 2009.
80. O'Mara RJ, Thombs DL, Wagenaar AC, Rossheim ME, Merves ML, Hou W, Dodd V, Pokorny SB, Weiler RM and Goldberger BA. A Field Study of Alcohol Price Responsiveness and Intoxication Among Patrons of a College Bar District. American Academy of Health Behavior, Hilton Head, South Carolina, 2009.
81. Graham NA, Gold MS and Goldberger BA. Unintentional Deaths Involving Prescription Opioids in the State of Florida. Society of Biological Psychiatry, Vancouver, Canada, 2009.
82. Gold MS, Martin DM, Graham NA and Goldberger BA. Secondhand Exposure to Smoked Opium, College on Problems of Drug Dependence. Reno, Nevada, 2009.
83. Lewis JN, Merves ML, Chronister CW and Goldberger BA. GC-MS Analysis of Carisoprodol and Meprobamate in Blood Using Deuterated Internal Standards. Society of Forensic Toxicologists, Oklahoma City, Oklahoma, 2009.

84. Goldberger BA, Graham NA, Martin DM and Gold MS. Assessing Prevalence of Household Exposure to Second- and Third-Hand Opium Smoke. American Academy of Addiction Psychiatry, Los Angeles, California, 2009.
85. Kles MA, Goldberger BA, Merves ML, Warren MW and Krigbaum J. Preliminary Studies of the Isolation of Drugs from Bone and Bone Marrow: A Broadened Role for the Forensic Anthropologist. American Academy of Forensic Sciences, Seattle, Washington, 2010.
86. Leyla M. Evans, Christopher Roeser, Michele L. Merves, Chris W. Chronister, Bruce A. Goldberger and Edward J. Cone. Caffeine Content of Energy Shots. Society of Forensic Toxicologists, Richmond, Virginia, 2010.
87. Gold MS, Martin DM, Graham NA, Goldberger BA. Second- and third-hand opium smoke products on household surfaces, in air, and in the hair of Afghanistan women and children. Neuroscience 2010. San Diego, California, 2010.

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