

CURRICULUM VITAE

Bruce A. Goldberger, Ph.D., F-ABFT

Professional

Address:

Department of Pathology, Immunology and Laboratory Medicine
University of Florida College of Medicine
1200 S.W. 34th Street
Gainesville, FL 32607

phone (352) 258-6125
e-mail bruce-goldberger@ufl.edu

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

September 11, 2025 to April 9, 2026	Interim Director Forensic Medicine Distance Education Program Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
May 1, 2023 to present	Professor, Clinical Track Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
October 31, 2015 to June, 2018	Medical Director Infectious Disease Pharmacokinetics Laboratory University of Florida College of Pharmacy Gainesville, Florida
July 1, 2014 to July, 2019	Medical Director, Clinical Toxicology Laboratory UF Health Pathology Laboratories Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
July 18, 2013 to May 1, 2023	Director, UF Health Forensic Medicine University of Florida College of Medicine Gainesville, Florida
May 20, 2013 to May 1, 2023	Chief, Forensic Medicine Division Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
July 1, 2012 to October, 2018	Director, UF Racing Laboratory Department of Pathology, Immunology and Laboratory Medicine University of Florida College of Medicine Gainesville, Florida
July, 2005 to May 1, 2023	Professor and Director of Toxicology, Clinical Track Department of Pathology, Immunology and Laboratory Medicine Department of Psychiatry (Division of Addiction Medicine) University of Florida College of Medicine Gainesville, Florida

November, 2002 to June 2005	Associate Professor, Clinical Track Department of Psychiatry (Division of Addiction Medicine) 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

Fellow (formerly Diplomate). American Board of Forensic Toxicology, Certificate Number 1120
(formerly 218) (3/1/99-12/31/29)

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)

LICENSURES

Clinical Laboratory Director (Clinical Chemistry). Board of Clinical Lab Personnel, Department of Business and Professional Regulation, State of Florida, License Number DI 33647 (5/18/95-8/31/24)

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 Award, 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

Achievement in the Sciences Award, Drew University, 2012

Robert F. Borkenstein Award, Alcohol, Drugs and Impairment Division, National Safety Council, 2017

Richard Saferstein Memorial Award in Forensic Science, Northeastern University, 2018

Distinguish Fellow, American Academy of Forensic Sciences, 2022

Distinguished Service Award, Society of Forensic Toxicologists, 2022

Lifetime Achievement Award, University of Florida College of Medicine, 2026

PATENTS

Devices and methods for the collection and detection of substances (US 8,388,907), issued March 5, 2013

Devices and methods for the collection and detection of substances (US 8,414,846), issued April 9, 2013

Devices and methods for the collection and detection of substances (US 9,360,398), issued June 7, 2016

CAMPUS ACTIVITIES

Teaching

College of Medicine:

Interim Director/Mentor, Forensic Medicine Distance Education Program
 Introduction to Medical Science Seminar (MDU4001 – College of Medicine Medical Honors Program) – Forensic Medicine
 Pathology Resident Rotation (Preceptor)
 Responsible Conduct of Biomedical Research (GMS 7003) – Authorship and Peer Review
 Clinical and Translational Science Institute Student Seminar Course (GMS 6893) – Addiction

University of Florida, 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, 2008-2012
 Irene Perez, Interdisciplinary Program in Biomedical Sciences, 2012-2013
 Chris Delcher, Department of Epidemiology, 2011-2014
 Katie Rubin, Department of Anthropology, 2013-2019
 Lerah Sutton, Department of Anthropology, 2013-2017
 Jessica Hvozdoch, Department of Pathology, 2015-2017
 Nicole Fitzgerald, Department of Epidemiology, 2019-2024
 Devon Baer, Department of Chemistry, 2026-present

Student/Thesis/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 Thesis	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
Marissa Finkelstein	Intern (UF)	2010-2012
Lauren Sanborn	Intern (UF)	2012
Marc Rumpler	Post-Doctoral Fellowship in Forensic Toxicology	2012-2013
Dayong Lee	Post-Doctoral Fellowship in Forensic Toxicology	2013-2015
Marissa Finkelstein	Graduate Student – Master’s Thesis	2013-2015
Katie Rubin	Graduate Student – Doctoral Thesis	2013-2019
Sarah Fraser	Undergraduate (UF)	2015-2016
Jessica Hvozdoch	Graduate Student – Master’s Thesis	2015-2017
Julia Malinowska	Undergraduate (Robert Gordon University)	2016
Meagan Wisniewski	Post-Doctoral Fellowship in Forensic Toxicology	2018-2020
Michael Truver	Post-Doctoral Fellowship in Forensic Toxicology	2021-2023
Leena Dhoble	Post-Doctoral Fellowship in Forensic Toxicology	2022-2023
Marco Ballotari	Post-Doctoral Fellowship in Forensic Toxicology	2024-
Munchelou Gomoni	Post-Doctoral Fellowship in Forensic Toxicology	2025-
Philip Cohen	Graduate Student – Master’s Thesis (Forensic Medicine)	2025-2026
Elyssia Pilkinton	Graduate Student – Master’s Thesis (Forensic Medicine)	2025-2026
Cheyenne Dycus	Graduate Student – Master’s Thesis (Forensic Medicine)	2025-2026
Sarah Phillips	Graduate Student – Master’s Thesis (Forensic Medicine)	2025-2026

Administration

College of Medicine

Member, Medical Selection Committee, 2005-2011
Member, Search Committee, Chair of the Department of Pharmacology and Therapeutics
and Director of the UF Institute of Therapeutic Innovations, 2010-2013
MS Admission Committee, 2014-2015

Department of Pathology, Immunology and Laboratory Medicine

Interim Director, Forensic Medicine Distance Education Program, 2025-2026
Chief, Forensic Medicine Division, 2013-2023
Director, UF Health Forensic Medicine, 2013-2023
Director, William R. Maples Center for Forensic Medicine, 1999-2026
Founder & Program Director, Florida Emergency Mortuary Operations Response System,
2001-2023
Chair, Biosafety Committee (1994-2023)
Chair, Search Committee (2012, 2013, 2014, 2017, 2019-2023, 2025-2026)

University of Florida (Office of the President)

Platform Operations Assistant, University Commencements, 2015-2018
Member, Commencement Committee, 2014-2024
Associate Chief Marshal for Platform Operations, University Commencements, 2018-2024

University of Florida University Athletic Association

Member, University Athletic Association Substance Abuse Committee, 1995-2021

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 for Patrick Carpenter. 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
External Examiner for Veronica Hargrove, Graduate School of Biomedical Sciences, University of
Texas Health Science Center, San Antonio, Texas, 2013
Community Faculty, Department of Medical Education, Orlando Health Pathology Residency
Program, Orlando, Florida, 2013-2023

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

American Academy of Forensic Sciences

Fellow, 1983-present

Academy Activities

Program Committee, Poster Session Chair, 1994
Nominating Committee, 1996-1997
Council, 1995-1997
Program Committee, Breakfast Seminars Chair, 1997-1998
Program Committee, Poster Session Chair, 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 Chair, 2000-2001
Forensic Sciences Foundation Nominating Committee, 2000-2001
Program Committee, Program Co-Chair, 2001-2002
Program Committee, Program Chair, 2002-2003
Policy and Procedure Committee, 2002-2007
AAFS Website Redesign Task Force, Chair, 2002-2003
AAFS Website Content Oversight Task Force, 2003-2004
Vice President, 2003-2004
Membership Committee, Chair, 2003-2004
Treasurer, 2004-2006
Executive Committee, 2004-2008
Finance Committee, 2006-2011, 2014-2016
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 and Public Relations, Chair/Liaison, 2008-2021
ad hoc Outreach Committee Member, 2009-2010
Awards Committee, 2010-2012
Exhibitor Liaison Committee, 2010-2012
Ethics Committee, 2017-2019
ad hoc Synthetic Opioids Committee, 2017-2021
ad hoc AAFS Confidentiality and Financial Disclosure Committee, 2022-2024
ad hoc Amicus Brief Committee, 2024-2025

Toxicology Section Activities

Workshop Co-Chair, 1992-1995, 1999
Program Committee, 1992-1996
Program Chair, 1994-1995

Secretary, 1995-1996
 Chairman, 1996-1997
 Nominating Committee, Chair, 1997-1998
 Abstract Guidelines Committee, 1995-1996
News and Views, Editor, 1993-1996
 Steering Committee, 1994-2023
 Minutes Review Committee, 1994-1999
 Awards Committee, 1997-1999, 2001-2003, 2026-present
ad hoc Membership Guidelines Committee, 1994-1999

American Association for Clinical Chemistry

Member, 1984-2020
 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

AACC Academy (formerly National Academy of Clinical Biochemistry)

Fellow, 2003-2020

American Board of Forensic Toxicology

Board of Directors, 2000-present
 Treasurer, 2002-2008
 Vice President, 2008-2012
 President, 2012-2025
 Past President, 2025-present
 Chair, *ad-hoc* Governance Committee, 2025-present

Association of Official Racing Chemists

Affiliate Member, 2013-2020

California Association of Toxicologists

Associate Member, 1993-2023

Florida Association of Medical Examiners

Affiliate Member, 2008-2024

Forensic Specialties Accreditation Board

Board of Directors, 2011-2021
 Treasurer, 2014-2018
 President, 2018-2021
 Past-President, 2021-2022

International Association for Chemical Testing

Member, 1999-present

International Veterinary Forensic Sciences Association

Full Charter Member, 2009-2020
 Board of Directors, 2009-2014

National Committee for Clinical Laboratory Standards

Gas Chromatography/Mass Spectrometry Confirmation of Drugs Committee, 1993-2002

National Registry of Certified Chemists

Board of Directors, 2001-2003

Examination Committee, 2001-2003
 National Safety Council – Alcohol, Drugs and Impairment Division (formerly Committee on Alcohol and Other Drugs)
 Member, 1988-present
 Executive Board, 1992-2021
 Scientific Working Group on Forensic Toxicology (SWGTOX)
 Co-Chair (founding), 2009-2012
 Executive Committee, 2012-2013
 Chair, Research, Development, Testing and Evaluation Committee, 2009-2013
 Chair, Education, Ethics, Outreach and Certification Committee, 2012-2013
 Society of Forensic Toxicologists
 Member, 1983-present
 Advisory Committee on Hair Analysis, 1991-1992
 SOFT Website/IT Committee, Chair, 1997-2018
 SOFT Logo Redesign Committee, Chair, 1997
 Board of Directors, 1998-2000
 Special Issue Editor, Journal of Analytical Toxicology, 1999
 Board of Directors (ex officio), 2005-2010
 Board of Directors, 2011-2018
 Executive Committee, 2011-2012, 2014-2017
ad hoc Advocacy Committee, Chair, 2011-2013
 SOFT 2013 Annual Meeting, Chair, 2009-2013
 Secretary, 2014-2015
 Vice President, 2016
 President, 2017
 Past-President, 2018
 Bylaws Committee, Chair, 2018-2019
 History Committee, Chair, 2019-2021
 The International Association of Forensic Toxicologists (TIAFT), Member, 1991-present
 T'2007 Scientific Advisory Committee, 2007
 TIAFT Achievement Awards Committee, 2010-2019

EDITORIAL TASKS

Clinica Chim Acta – Member, Editorial Board, 1999-2003
 Clinical and Forensic Toxicology News – Chairman, Editorial Advisory Board, 1999-2001
 Forensic Science Review – Member, Board of Editors, 2002-2010
 Journal of Analytical Toxicology (Preston Publications; Oxford University Press) – Official Journal of the Society of Forensic Toxicologists and The International Association of Forensic Toxicologists
 Emeritus Editor-in-Chief, 2025-present
 Editor-in-Chief, 2001-2024
 Member, Editorial Advisory Board, 1997-2000
 Society of Forensic Toxicologists Special Issue Editor, October, 1999

Journal of Forensic Sciences – Member, Editorial Board, 1997-2013

Therapeutic Drug Monitoring and Toxicology – Chairman, Editorial Board, 1995-1996

Clarke's Analysis of Drugs and Poisons, Pharmaceutical Press – Member, Editorial Advisory Board, 2000-2012

GRANT AND CONTRACT FUNDING

Florida Emergency Mortuary Operations Response System (FEMORS), Florida Department of Health, Bureau of Preparedness and Response

Substance Use and Immunity in HIV+ Adolescents by Systems Biology, NIH/NIDA, Project Number 5R01DA031017-04

Seizing the Momentum: A Multidisciplinary Approach to Reduce Rx Drug Abuse in Florida, BJA FY 13 Harold Rogers Prescription Drug Monitoring Program, U.S. Department of Justice, Office of Justice Programs, Bureau of Justice Assistance, Project Number 2013-PM-BX-0010 (in collaboration with the Florida Department of Health)

Florida's Next Generation of Prescription Drug Related Surveillance: Data into Insights that Enhance PDMP Best Practices, BJA FY 16 Harold Rogers Prescription Drug Monitoring Program, U.S. Department of Justice, Office of Justice Programs, Bureau of Justice Assistance, Project Number 2016-PM-BX-K005

E-FORCSE, Florida Prescription Drug Monitoring Program, Florida Department of Health
U.S. Centers for Disease Control and Prevention, [National Center for Injury Prevention and Control](#), Intergovernmental Personnel Act Mobility Program

U.S. Centers for Disease Control and Prevention, National Center for Health Statistics, Intergovernmental Personnel Act Mobility Program

Better Intelligence Gathering for Public Safety and Public Health (BigPUSH), U.S. Department of Justice, Office of Justice Programs, Bureau of Justice, Project Number 2017-PM-BX-K038

Health Outcomes and Cognitive Effects of Marijuana Use Among Persons Living with HIV/AIDS. NIH/NIDA, Project Number R01DA042069

Assessing the Prevalence and Maternal Perceptions of Medical and Non-medical Marijuana and Cannabidiol Use in Women of Reproductive Age, University of Florida Research Opportunity Seed Fund

Florida Drug-Related Outcomes Surveillance and Tracking (FROST) System, South Florida High Intensity Drug Trafficking Area

National Drug Early Warning System Coordinating Center at the University of Florida, NIH/NIDA, Project Number U01DA051126

Forensic Epidemiology Services, Florida Overdose Data to Action (OD2A), Division of Public Health Statistics and Performance Management, Florida Department of Health

CONSULTANT AND OTHER RELATED ACTIVITIES

Expert Witness/Consultant in Forensic Toxicology. Qualified as an Expert in Forensic Toxicology more than 443 times in Federal, State, Canadian, and Military Courts of Law. Testified in high profile cases including State of Florida v. Casey Anthony (2011), United States of America v. Roger Clemens (2012), and Major League Baseball v. Alex Rodriguez (2013)

Consultant. U.S. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control (Overdose Mortality Team); and National Center for Health Statistics (Collaborating Office for Medical Examiners and Coroners)

Consultant. U.S. Department of the State

Consultant. U.S. Drug Enforcement Administration

Consultant. Office of the Attorney General of Florida

Consultant. Florida Department of Health

Consultant. Florida Department of Law Enforcement, Alcohol Testing Program & Medical Examiners Commission

Consultant. Florida Highway Patrol

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

Member. Substance Abuse Committee, Athletic Programs, Santa Fe Community College, 1997-2021

Co-Chair. Methadone Associated Mortality: A National Assessment Workshop, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, 2003

Consultant. National Football League Players Association, 2006-2007

Co-Chair. Methadone Mortality: A Reassessment, Center for Substance Abuse Treatment, Substance Abuse and Mental Health Services Administration, July, 2007

Consultant. Clinical Chemistry and Clinical Toxicology Devices Panel, Center for Devices and Radiological Health, Food and Drug Administration, 2008-2020

Member. State of Florida Drug-Related Death Workgroup, Office of Drug Control, Office of the Governor, State of Florida, 2008-2010

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, 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

Member. National Association of Medical Examiners and American College of Medical Toxicology Expert Panel on Opioid Deaths, 2012-2013

Member. Evolving and Emerging Threats Committee, White House Office of National Drug Control Policy, Executive Office of the President, 2019-present

Subcommittee Chair. Drug Taxonomy, Medicolegal Death Investigation Data Working Group (MDI-Data-WG), Forensic Technology Center of Excellence (FTCoE), RTI International, and the National Center for Health Statistics, U.S. Centers for Disease Control and Prevention, 2020-2022

Subcommittee Member. Synthetic Drugs, Medicolegal Death Investigation Data Working Group (MDI-Data-WG), Forensic Technology Center of Excellence (FTCoE), RTI International,

and the National Center for Health Statistics, U.S. Centers for Disease Control and Prevention, 2022-2023
Subject Matter Expert. PROJECT ECHO: Overdose Fatality Investigation Techniques (OD-FIT), Association of State and Territorial Health Officials, 2020-2023
Member. Opioids Biosurveillance Task Force, Association of Public Health Laboratories, 2021-2025
Member, Council of State and Territorial Epidemiologists, Poisoning Surveillance Workgroup, 2025-2026
Member, Expert Committee on Novel Psychoactive Substances (NPS), Center for Forensic Science Research & Education (CFSRE), 2026-present
Member, Center for Forensic Science Research & Education – Expert Committee on Novel Psychoactive Substances (NPS), 2026-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
Member. Clinical Chemistry and Clinical Toxicology Advisory Committee, Food and Drug Administration, 2013-2020

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. Borkenstein 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, New Orleans, Louisiana, 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.

Toxicologic Workup of the Negative Autopsy, The Negative Autopsy, Interim Scientific Program, National Association of Medical Examiners, Chicago, Illinois, February, 2011

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, 2011.

Alcohol and Drug Impaired Driving: State of the Art Investigation and Interpretation, Grand Rounds, Department of Psychiatry, University of Florida College of Medicine, May, 2011.

Afghanistan Children Opium Study - Impact on the Drug Testing Industry, Drug and Alcohol Testing Industry Association, Miami, Florida, May, 2011.

Publishing in Journals for Forensic Toxicologists – The Peer Review Process, Society of Forensic Toxicologists, San Francisco, California, September, 2011.

Helping Scientists Speak Directly to the Press – The Scientist Perspective, National Association of Science Writers, Flagstaff, Arizona, October, 2011.

Forensic Toxicology, The Institute for Learning in Retirement, Oak Hammock, Gainesville, Florida, November 2011.

Toxicology of the Drunk Driver, Advanced DUI Seminar, Traffic Safety Resource Prosecutor Program Florida Public Safety Institute, Orlando, Florida, November, 2011.

Forensic Toxicology, Forensic Science Club, Santa Fe College, Gainesville, Florida, November, 2011.

Odor Mortis: What Is It Anyway? (Luncheon), American Academy of Forensic Sciences, Atlanta, Georgia, February, 2012.

Toxicological Case Study – Identifying Toxins in Biological Samples of Drug Users, Trans-Regional Crack Cocaine Symposium, Drug Enforcement Administration Educational Foundation and United States Department of State, Tampa, Florida, March, 2012.

Speaking to the Media, International Veterinary Forensic Sciences Association, Miami, Florida, May, 2012.

SWGTOX Update, Florida Association of Medical Examiners, Clearwater Beach, Florida, July 2012.

Toxicologic Workup of the Negative Autopsy, Florida Association of Medical Examiners, Clearwater Beach, Florida, July, 2012.

Forensically Defensible Drug and Alcohol Testing in DUID: Laboratory Aspects, The Robert F. Borkenstein Course on the Effects of Drugs on Human Performance and Behavior, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, October, 2012.

Recent Advances in Drug Testing, UF & Professionals Resource Network Afternoon of Research on Addiction and Impairment, Gainesville, Florida, February, 2013.

Forensic Toxicology – Postmortem Drug Redistribution, International Veterinary Forensic Sciences Association, Orlando, Florida, May, 2013.

Opioid Related Deaths, Postmortem Interpretive Toxicology, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, June, 2013.

SWGTOX Update, Florida Association of Medical Examiners, Clearwater Beach, Florida, July 2013.

Urine Drug Testing in Pain Management: You’ve Got Questions, We’ve Got Answers. An Interactive Session with a Pain Physician and a Laboratory Scientist, American Academy of Pain Management, Orlando, Florida, September, 2013.

Speaking to the Masses – Effective Communication of Forensic Science, High Profile Cases in Toxicology - Lessons Learned, Society of Forensic Toxicologists, Orlando, Florida, October, 2013.

Forensically Defensible Drug and Alcohol Testing in DUID: Laboratory Aspects, The Robert F. Borkenstein Course on the Effects of Drugs on Human Performance and Behavior, The Center for Forensic Science Research and Education, Sacramento, California, November, 2013.

Alcohol and Drug Testing, Primary Care, Pain Medicine and Addiction Conference, Department of Psychiatry, University of Florida, College of Medicine, Gainesville, Florida, November, 2013.

Forensic Toxicology Laboratory Perspective, Managing the 21st Century Forensic Science Organization, American Academy of Forensic Sciences, Seattle, Washington, February, 2014.

Forensic Toxicology – Scientific Basis, Practice and Research, Department of Chemistry, Florida International University, Miami, Florida, March, 2014.

Forensically Defensible Analytical Practices, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, The University of Glasgow, Scotland, UK, April, 2014.

Drug Testing Update: Discussion with a Clinician and Toxicologist, American Academy of Pain Management, Phoenix, Arizona, September, 2014.

Forensically Defensible Drug and Alcohol Testing in DUID – Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, September, 2014.

ABFT Forensic Toxicology Laboratory Accreditation, Laboratory Accreditation: A Look at Accrediting Bodies and the Top 10 Assessment Findings, Annual Meeting of the Society of Forensic Toxicologists, Grand Rapids, Michigan, October, 2014.

iThenticate, Oxford Journals Day, Cary, North Carolina, October, 2014.

Drugged Driving: A Toxicologist Perspective, AAA Drugged Driving Summit, Tampa, Florida, January, 2015.

Toxicology of Opioid Related Deaths, Postmortem Interpretive Toxicology, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, January, 2015.

Keys to Effective Testimony, Testimony Workshop, Association of Official Racing Chemists, Tampa, Florida, April, 2015.

Toxicology and Drugged Drivers, Prosecuting the Drugged Driver, Florida Traffic Safety Resource Prosecutor Program, Orlando, Florida, April 2015.

Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Tempe, Arizona, September, 2015.

New Developments in PDMPs: South Carolina, Wisconsin and Florida, National Rx Drug Abuse & Heroin Summit, Atlanta, Georgia, March, 2016.

The Epidemic of Fentanyl and Fentanyl Analog Deaths in Florida, International Association for Chemical Testing, Orlando, Florida, April, 2016.

Drugged Driving: A Toxicologist Perspective, AAA Drugged Driving Summit, Portland, Maine, May, 2015.

Toxicology of Opioid Related Deaths, Postmortem Interpretive Toxicology, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, June, 2016.

MEC Drugs Identified in Deceased Persons, Statewide Drug Policy Advisory Council Meeting, Florida Department of Health, Tallahassee, Florida, August, 2016.

Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, September, 2016.

Forensic Toxicology, Department of Physiological Sciences, University of Florida College of Veterinary Medicine, Gainesville, Florida, October, 2016.

Post-Mortem Forensic Toxicology Testing, Overdose Subcommittee, Council of State and Territorial Epidemiologists, [webinar], December, 2016.

ABFT Laboratory Accreditation, Quality Infrastructure Committee, Organization of Scientific Area Committees for Forensic Science, [webinar], January, 2017.

Toxicology, Enhanced State Opioid Overdose Surveillance (ESOOS) Awardee Meeting, Centers for Disease Control and Prevention, Atlanta, Georgia, May, 2017.

Toxicology 101 – “Decoding” Source Document Information, National Violent Death Reporting System (NVDRS) Reverse Site Visit, Centers for Disease Control and Prevention, New Orleans, Louisiana, May, 2017.

Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Austin, Texas, September, 2017.

The Cold Truth of FROST in Florida, International Forum for Drug and Alcohol Testing, Clearwater Beach, Florida, October, 2017.

Drug Overdose Deaths, State of Florida House Subcommittee, Tallahassee, Florida, November, 2017.

Surveillance of Drug Overdose Deaths in the State of Florida, International Society for Disease Surveillance, Orlando, Florida, February, 2018.

The National Opioid Overdose Epidemic: It’s Not Just Opioids, National Rx Drug Abuse & Heroin Summit, Atlanta, Georgia, April, 2018.

The National Opioid Overdose Epidemic, Northeastern University, Boston, Massachusetts, April, 2018.

Decades of Drug Surveillance – Monitoring Prescription and Illicit Drug Use, Misuse and Abuse, Northeastern University, Boston, Massachusetts, April, 2018.

Toxicology 101, National Violent Death Reporting System (NVDRS) Reverse Site Visit, Centers for Disease Control and Prevention, New Orleans, Louisiana, May, 2018.

- Understanding Toxicology Data and Key Indicators, Enhanced State Opioid Overdose Surveillance (ESOOS) Awardee Meeting, Centers for Disease Control and Prevention Atlanta, Georgia, May, 2018.
- Strategies and Partnerships to Improve Data Quality and Usefulness, Data-In-Action/Opioid Epidemic Response Plenary, National Association for Public Health Statistics and Information Systems, Miami, Florida, June, 2018.
- Florida Case Study, PDMP and Medical Examiner/Coroner Meeting, Bureau of Justice Assistance, U.S. Department of Justice, Washington, D.C., August, 2018.
- The Opioid Crisis – The Epidemic of Overdoses and Deaths, Opioids and Heroin: A New Look at Some Old (and Not So Old) Drugs. DEA Lecture Series, Drug Enforcement Administration, Arlington, Virginia, September, 2018.
- Forensically Defensible Drug and Alcohol Testing in DUID – Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Philadelphia, Pennsylvania, September, 2018.
- Ethics of Publication, Effective Communication Skills for Successful Forensic Toxicology Practice, Federal, Society of Forensic Toxicologists, Minneapolis, Minnesota, October, 2018.
- Public Health Perspective – Federal, How to Navigate your Way Through the Epidemic of Emerging Drugs. Society of Forensic Toxicologists, Minneapolis, Minnesota, October, 2018.
- Forensically Defensible Drug and Alcohol Testing Laboratory Practices, California Association of Toxicologists, Bakersfield, California, November, 2018.
- Plagiarism, Oxford Journals Day, Cary, North Carolina, November, 2018.
- Toxicology 101 / 201, Enhanced State Opioid Overdose Surveillance (ESOOS) Awardee Meeting, Centers for Disease Control and Prevention Atlanta, Georgia, January, 2019.
- Opioid Epidemic: Pathologists Responding to the Public Health Crisis, Southeastern Association of Pathology Chairs and Administrators Regional Conference, Amelia Island, Florida, February, 2019.
- Scientific Evidence in the Casey Anthony Trial – Forensic Toxicology and Chemistry Aspects, A Decade Later: The State of Florida v. Casey Marie Anthony Revisited – Truth? Justice? Both? Neither?, American Academy of Forensic Sciences, Baltimore, Maryland, February, 2019.
- Report of the Centers for Disease Control and Prevention Forensic Science Liaison, The American Academy of Forensic Sciences Responds to the Opioid Crisis, American Academy of Forensic Sciences, Baltimore, Maryland, February, 2019.
- State Level Perspective, A Coordinated Federal Response to the Illicit Opioid Epidemic, Rx Drug Summit, Atlanta, Georgia, April, 2019.
- Drug Overdose Deaths – Toxicology and Key Indicators. National Violent Death Reporting System (NVDRS) Reverse Site Visit, Centers for Disease Control and Prevention, Denver, Colorado, May, 2019.
- Opioid-Involved Fatal Overdoses and the Role of Higher Dosage Strength Opioid Products: What We Do and Don't Know. Joint meeting of the U.S. Food and Drug Administration Drug Safety Committee and Risk Management Advisory and Anesthetic and Analgesic Drug Products Advisory Committee, Silver Spring, Maryland, June, 2019.

Toxicologic Workup of the Negative Autopsy, Florida Association of Medical Examiners, Manalapan, Florida, July, 2019.

The National Opioid Overdose Epidemic – Monitoring Prescription and Illicit Drug Use, Misuse and Abuse, Division of Sponsored Programs, University of Florida| Office of Research, Gainesville, Florida, July, 2019.

Forensically Defensible Drug and Alcohol Testing in DUID – Laboratory Aspects, The Robert F. Borkenstein Course on Drugs and Alcohol, The Center for Forensic Science Research and Education, Long Beach, California, September, 2019.

Publishing & Reviewing, Young Forensic Toxicologists YFT Symposium and Professional Development Fair, Society of Forensic Toxicologists, San Antonio, Texas, October, 2019.

Emerging Drug Threats: Looking Beyond Fentanyl, Emerging Transnational Criminal Threats, CENTRA Technology, Inc., Arlington, Virginia, October, 2019.

Forensic Toxicology Interpretation Guidance for NVDRS and SUDORS (webinar), National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, November, 2019.

How to Navigate Your Way Through the Epidemic of Emerging Drugs, Florida Adult Drug Court Training Conference, Sarasota, Florida, November, 2019.

Emerging Drug Threats - Toxicology and Key Indicators, Louisiana Coroner's Association Annual Meeting, Lafayette, Louisiana, February, 2020.

Emerging Drug Threats – Toxicology and Key Indicators, American Pharmacists Association Poison Prevention Lecture, University of Florida College of Pharmacy, September, 2020.

Forensic Toxicology, Veterinary Forensic Pathology (VEM5424), University of Florida College of Veterinary Medicine, September, 2020.

Surveillance of Novel Psychoactive Substances, Surveillance Committee, United Way of Broward County, Commission on Behavioral Health and Drug Prevention, January, 2021.

Emerging Drug Threats – Cannabinoids, Cathinones and Opioids, January, 2021
Forensic Toxicology, The George Washington University Law School, February, 2021.

Peer Review – What You Really Need to Know, Learn-Discover-Lead Seminar, UF CTSI and UF Health, April 2021.

Plagiarism in Scientific Publications, Ethical Moment, Department of Pathology, Immunology and Laboratory Medicine, June, 2021.

Death Investigation: The Intersection of Pathology & Toxicology, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, June, 2021.

Toxicology Laboratory Overview, NAME/CDC/NNPHI Symposium, The Center for Forensic Science Research and Education, October, 2021.

Emerging Drug Threats – Cannabinoids, Cathinones and Opioids University of Miami Miller School of Medicine, Department of Pathology. November, 2021.

Emerging Drug Threats – Cannabinoids, Cathinones and Opioids. APhA-ASP, University of Florida College of Pharmacy, November, 2021.

Toxicology Laboratory Overview, NAME/CDC/NNPHI Symposium, The Center for Forensic Science Research and Education, April, 2022.

New Psychoactive Substances (NPS). National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, May, 2022.

Emerging Drug Threats – Morbidity and Mortality. Regional Drug Epidemiology Network, Jacksonville, FL, May, 2022.

The Nexus of Public Health and Public Safety in Combating Fentanyl. National Homeland Security Consortium, San Francisco, California, December, 2022.

Xylazine Listening Session – State of Florida, Office of National Drug Control Policy, December, 2022.

SUDORS Workgroup Toxicology Update. National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, February, 2023.

Reactor Panel: Pharmacology of Opioids and Overdose Management Products, Understanding Fatal Overdoses to Inform Product Development and Public Health Interventions to Manage Overdose, Reagan-Udall Foundation for the FDA, March, 2023.

Differences in Laboratory Approaches to Medicolegal Death Investigation Toxicology – Know What your Laboratory is Testing For. The Intersection of Forensic Toxicology and Forensic Pathology Relating to Emerging Topics in Drug Death Certification, Center for Forensic Science Research & Education, May, 2023.

Toxicology Refresher, Tennessee Department of Health, July 2023

The Value of Different Pieces of Toxicology Data for Testimony. 2023 American College of Medical Toxicology Seminar in Forensic Toxicology Cannabis and the Expanding World of Cannabinoids, December, 2023.

Toxicology Practice, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, March, 2024.

Which Defenses Work and Which Need Pixie Dust, DUI Defense Lawyers Association Spring Seminar, Orlando, Florida, April, 2024.

Science & Technology Behind Cannabis Breath Testing: Cannabix Technologies Inc., International Association for Chemical Testing Annual Meeting, La Jolla, California, April 2024.

Postmortem Drug Redistribution. National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, June, 2024.

Emerging Drug Threats in the State of Florida / FROST Dashboard and NDEWS Overview, Florida Overdose Data to Action in States (FL OD2A-S), Florida Department of Health, August, 2024.

Emerging Drug Threats, Delaware Overdose Response Center and Brandywine Counseling's Syringe Service Provider Program, October, 2024.

Chasing Impairment – Advancement in Technologies or a Paradigm Shift? – You be the Judge! Society of Forensic Toxicologists, St. Louis, Missouri, November, 2024.

The ABCs of ABFT Certification – Part I: General Information. Society of Forensic Toxicologists, St. Louis, Missouri, November, 2024.

Cathinone Outbreaks in Florida. NPS Discovery: 2024 Novel Synthetic Drugs Threat Symposium, Philadelphia, Pennsylvania, November, 2024.

NDEWS Update, Office of National Drug Control Policy, December, 2024

Learn-Discover-Lead: The Ins and Outs of Peer Review – What You Really Need to Know, Office of Biomedical Research Career Development, UF Clinical and Translational Science Institute, January, 2025.

Forensic Toxicology Update – Emerging Drug Threats, Laboratory Best Practices, and Nomenclature, ESB Science Lunch, U.S. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control, May, 2025.

Emerging Drug Threats in the State of Florida, Florida Overdose Data to Action in States (FL OD2A-S), Florida Department of Health, August, 2025.

SUDORS Abstractor Training – Toxicology, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, June, 2026.

NATIONAL 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 News, 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 News, 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

Dr. G: Medical Examiner – Inside the Caylee Anthony Case, Discovery Health Channel, January 2012

Aeroshot, ABC World News, February 2012

The Death of Brittany Murphy, CNN, November 2013

Josh Brent Trial, Good Morning America, ABC News, January 2014

Darren Sharper, Good Morning America, ABC News, March 2015

Kim Jong-Nam, CNN, February 2017

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).
4. Caplan YH and Goldberger BA (eds). Garriott's Medicolegal Aspects of Alcohol, 6th Edition, Lawyers & Judges Publishing Company, 2015 (702 pages).
5. Karch SB and Goldberger BA (eds). Karch's Drug Abuse Handbook, CRC Press, 2023 (650 pages).
6. Caplan YH and Goldberger BA (eds). Garriott's Medicolegal Aspects of Alcohol, 7th Edition, Lawyers & Judges Publishing Company, in preparation.
7. Goldberger BA (ed). Baselt's Disposition of Toxic Drugs and Chemicals in Man, Royal Pharmaceutical Society of Great Britain, in preparation.

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. Roper 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, 4th 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, 2nd 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. AACC 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* Principles of Addiction Medicine – The Essentials. Lippincott Williams & Wilkins, 2011 (pp. 593-598).
31. Hortin GL and Goldberger BA: Chromatography and Extraction. *in* Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 5th Edition. Elsevier, 2012 (pp. 307-328).

32. Ropero-Miller JD, Goldberger BA and Reisfield GM: Opioids. *in* The Clinical Toxicology Laboratory: Contemporary Practice of Poisoning Evaluation, 2nd Edition. AACC Press, 2013 (pp. 155-177).
33. Goldberger BA and Wilkins DG: Analytical and Forensic Toxicology. *in* Casarett & Doull's Toxicology: The Basis Science of Poisons, 8th Edition. McGraw-Hill Education, 2013 (pp. 1357-1374).
34. Kerrigan S and Goldberger BA: Opioids. *in* Principles of Forensic Toxicology, 4th Edition. AACC Press, 2013 (pp. 271-291).
35. DuPont RL, Goldberger BA and Gold MS: The Science and Clinical Uses of Drug Testing. *in* The ASAM Principles of Addiction Medicine, 5th Edition. Wolters Kluwer, 2014 (pp. 1717-1729).
36. Wagner JR, Caplan YH and Goldberger BA: Specimen Considerations for Alcohol Testing. *in* Garriott's Medicolegal Aspects of Alcohol, 6th Edition, Lawyers & Judges Publishing Company, 2015 (pp. 195-214).
37. Goldberger BA, Caplan YH and Levine B: Methods for Biological Specimen Alcohol Testing. *in* Garriott's Medicolegal Aspects of Alcohol, 6th Edition, Lawyers & Judges Publishing Company, 2015 (pp. 253-269).
38. Caplan YH and Goldberger BA: Legal Proceedings and the Expert Witness. *in* Garriott's Medicolegal Aspects of Alcohol, 6th Edition, Lawyers & Judges Publishing Company, 2015 (pp. 641-654).
39. DuPont RL, Goldberger BA and Gold MS: The Science and Clinical Uses of Drug Testing. *in* The ASAM Essentials of Addiction Medicine, 2nd Edition. Wolters Kluwer, 2015 (pp. 634-640).
40. Kerrigan S and Goldberger BA: Substance Misuse: Alternative Body Fluids Analysis. *in* Encyclopedia of Forensic and Legal Medicine, 2nd Edition, Volume 4, Elsevier, 2016 (pp. 350-362).
41. Reisfield GM, Bertholf RL, Goldberger BA and DuPont RL: Practical Considerations in Drug Testing. *in* The ASAM Principles of Addiction Medicine, 6th edition. Wolters Kluwer, 2019 (pp. 1752-1767).
42. Reisfield GM, Bertholf RL, Goldberger BA and DuPont RL: Practical Considerations in Drug Testing. *in* The ASAM Essentials of Addiction Medicine, 3rd edition. Wolters Kluwer, 2019 (pp. 659-666).

43. Goldberger BA, Lee D and Wilkins DG: Analytical and Forensic Toxicology. *in* Casarett & Doull's Toxicology: The Basis Science of Poisons, 9th Edition. McGraw-Hill Education, 2019 (pp. 1511-1529).
44. Kerrigan S and Goldberger BA: Opioids. *in* Principles of Forensic Toxicology, 5th Edition. Springer Nature Switzerland, 2020 (pp. 347-369).
45. Hvozdoch JA, Wisniewski ML and Goldberger BA: Opioids. *in* Toxicology Cases for the Clinical and Forensic Laboratory. Academic Press, 2020 (pp. 333-341).
46. Shelby MK, Schwoppe DM, Lee D, Goldberger BA: Analytical and Forensic Toxicology. *in* Casarett & Doull's Toxicology: The Basis Science of Poisons, 10th Edition. McGraw-Hill Education (in press).

Monographs

1. 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.
2. 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.
3. 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.
4. Goldberger BA: Acetaminophen, Caffeine, Chloramphenicol, Lithium and Procainamide Drug Monographs. *in* Drug Monitoring Data Pocket Guide II. AACC Press, 1994.
5. Goldberger BA: Opiates. Abused Drugs Monograph Series. Abbott Diagnostics, 1994.
6. Roper 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.
7. Goldberger BA, Roper-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}
8. Hammett-Stabler C, Goldberger BA and Roper-Miller JD: Abused drugs. *in* Medical Toxicology Self Study. American Association for Clinical Chemistry, 1998.

9. Roper JD, Garside D and Goldberger BA. Opiates. *in* Contemporary Practice in Clinical Toxicology. American Association for Clinical Chemistry, 1998. {second Edition, 2000}
10. Goldberger BA (ed.): Hair Analysis: Drugs of Abuse, Therapeutic Drugs, and Steroids {reprints of selected articles from the Journal of Analytical Toxicology}, 2001.
11. 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).
12. Goldberger BA, Martin DM and Gold MS. Opium smoke: The study of second- and third-hand exposure in women and children of Afghanistan. U.S. Department of State Bureau for International Narcotics and Law Enforcement Affairs, 2009.

Journal Articles (Refereed)

[Google Scholar](#)

[ORCID ID](#)

citations = 7790 h-index = 49 i10-index = 125

1. Gomonit MM, Ballotari M, Truver MT, Brogan SC, Hoyer JL, Goldberger BA, Chronister CW. Postmortem case series of Δ^8 - and Δ^9 -tetrahydrocannabinol in blood and urine. *Int J Legal Med.* 2026 Jul 15. doi: 10.1007/s00414-026-03876-0. Epub ahead of print. PMID: 42448950.
2. Ballotari M, Truver MT, Hoyer JL, Goldberger BA, Chronister CW. Prevalence of p-fluorofentanyl and xylazine in postmortem fentanyl casework. *J Anal Toxicol.* 2026 Jun 4;50(6):bkag035. doi: 10.1093/jat/bkag035. PMID: 42234862.
3. Ballotari M, Truver MT, Chronister CW, Hoyer JL, Roussos-Ross K, Goodin AJ, Bartock SH, Evans T, Dui W, Goldberger BA. Δ^8 -tetrahydrocannabinol, Δ^9 -tetrahydrocannabinol, and cannabidiol carboxylic acid metabolites in authentic meconium samples. *J Forensic Sci.* 2026 Apr 12. doi: 10.1111/1556-4029.70335. Epub ahead of print. PMID: 41968590.
4. Park J, Niles JK, Goldberger BA, Orellana RC, Casey Lyons B, Lee SH, Baldwin GT, Park S. Drug positivity, co-detection patterns, and demographic predictors in patients seeking substance use disorder treatment, United States, 2023. *Addict Behav.* 2026 Jul;178:108659. doi: 10.1016/j.addbeh.2026.108659. Epub 2026 Mar 10. PMID: 41864144.
5. Ballotari M, Truver MT, Shoff EN, Tiscione NB, Kahl KW, Moore DM, Reidy LJ, Goldberger BA, Chronister CW. Prevalence of N,N-Dimethylpentylone in forensic toxicology casework: A retrospective study and trends in the state of Florida. *Forensic Sci Int.* 2026

- Mar 12;384:112916. doi: 10.1016/j.forsciint.2026.112916. Epub ahead of print. PMID: 41844004.
6. Gomonit MM, Walton SE, Papsun DM, Lamb ME, Chronister CW, Krotulski AJ, Elliott S, Taylor K, Truver MT, Goldberger BA, Logan BK. Case series involving the synthetic cathinones alpha-PHP, alpha-PiHP, MDPHP, and MDPIHP in forensic investigations. *Forensic Sci Int.* 2026 Mar 10;384:112917. doi: 10.1016/j.forsciint.2026.112917. Epub ahead of print. PMID: 41830777.
 7. Varma DS, Goodin AJ, Goldberger BA, Roussos-Ross K. Willingness of pregnant and postpartum women who use marijuana and/or cannabidiol to participate with their offspring in long-term cohort studies: an exploratory study. *Front Psychiatry.* 2025 Oct 21;16:1641467. doi: 10.3389/fpsy.2025.1641467. PMID: 41195351; PMCID: PMC12583066.
 8. Sojin NA, Parimoo R, Agliano LA, Goodin AJ, Varma DS, Goldberger BA, Tuna I, Abu-Rustum R, Roussos-Ross K. Recruiting marijuana-exposed maternal-infant dyads for longitudinal study: a feasibility assessment. *Front Psychiatry.* 2025 Sep 12;16:1637076. doi: 10.3389/fpsy.2025.1637076. PMID: 41019599; PMCID: PMC12463817.
 9. Delcher C, Shin E, Iyer A, Johnson TK, Winokur AD, Goldberger BA. Another carfentanil fatal outbreak in Florida? *Drug Alcohol Depend.* 2025 Sep 1;274:112784. doi: 10.1016/j.drugalcdep.2025.112784. Epub 2025 Jul 7. PMID: 40675009; PMCID: PMC12287913.
 10. Goodin A, Varma DS, Dubare K, Kaleem S, Dubare S, Jennings A, Goldberger BA, Roussos-Ross K. Perception of Risks of Cannabis and Cannabidiol Use during Pregnancy: A Multi-Methods Study. *Med Cannabis Cannabinoids.* 2025 Jun 11;8(1):130-143. doi: 10.1159/000546312. PMID: 40661844; PMCID: PMC12258875.
 11. Truver MT, Chronister CW, Davis GG, Gray TR, Hartman RL, Kahl JH, Karschner EL, Kerrigan S, Kronstrand R, Krotulski AJ, Lee D, Logan BK, Moore DM, Rodda LN, Vikingsson S, Winecker RE, Goldberger BA. Application of Professional Best Practices in Postmortem Forensic Toxicology. *J Anal Toxicol.* 2025 Jul 9;bkaf061. doi: 10.1093/jat/bkaf061. Epub ahead of print. PMID: 40632588.
 12. Ballotari M, Truver MT, Sojin NA, Parimoo R, Agliano LA, Hoyer JL, Goodin AJ, Varma DS, Chronister CW, Roussos-Ross K, Goldberger BA. Analysis of Cannabinoids and Semi-synthetic Cannabinoids in Authentic Breastmilk by Liquid Chromatography-Tandem Mass Spectrometry. *J Anal Toxicol.* 2025 May 26;bkaf047. doi: 10.1093/jat/bkaf047. Epub ahead of print. PMID: 40418239.

13. Palamar JJ, DeBord JS, Krotulski AJ, Goldberger BA. Local Anesthetics Adulterating the Illicit Fentanyl Supply. *JAMA Psychiatry*. 2025 Aug 1;82(8):755-756. doi: 10.1001/jamapsychiatry.2025.0952. PMID: 40397428; PMCID: PMC12328075.
14. Ballotari M, Truver MT, Baer DC, Brogan SC, Hoyer JL, Crosby MM, Goldberger BA, Chronister CW. Identifying bromazolam, etizolam, and flualprazolam in blood using gas chromatography-mass spectrometry. *J Forensic Sci*. 2025 Feb 18. doi: 10.1111/1556-4029.70003. Epub ahead of print. PMID: 39963811.
15. Fogarty MF, Walton SE, Truver MT, Glatfelter GC, Krotulski AJ, Papsun DM, Lamb M, Chronister CW, Goldberger BA, Walther D, Barba K, Baumann MH, Logan BK. Toxicological evaluation, postmortem case descriptions, and pharmacological activity of N,N-dimethylpentylone and related analogs. *J Anal Toxicol*. 2025 Mar 10;49(3):143-151. doi: 10.1093/jat/bkaf002. PMID: 39865839; PMCID: PMC11892558.
16. Ballotari M, Truver MT, Sojin NA, Agliano LA, Parimoo R, Hoyer JL, Goodin AJ, Varma DS, Chronister CW, Roussos-Ross K, Goldberger BA. Quantitative analysis of Δ^8 - and Δ^9 -tetrahydrocannabinol metabolites and isomers: a rapid assay in urine by LC-MS/MS. *Anal Bioanal Chem*. 2025 Mar;417(8):1507-1518. doi: 10.1007/s00216-025-05738-x. Epub 2025 Jan 23. PMID: 39847096.
17. Palamar JJ, Fitzgerald ND, Goldberger BA, Cottler LB. Monitoring illicit pentobarbital availability in the United States: A National Drug Early Warning System briefing. *Drug Alcohol Depend*. 2024 Oct 1;263:112402. doi: 10.1016/j.drugalcdep.2024.112402. Epub 2024 Aug 13. PMID: 39173219; PMCID: PMC11384643.
18. Ballotari M, Truver MT, Dhoble LR, Kinsey AM, Hoyer JL, Chronister CW, Goldberger BA. A postmortem case report involving fentanyl, desalkylgidazepam, and bromazolam. *J Anal Toxicol*. 2024 Oct 28;48(8):636-640. doi: 10.1093/jat/bkae059. PMID: 38966933.
19. Truver MT, Brogan SC, Jaeschke EA, Kinsey AM, Hoyer JL, Chronister CW, Crosby MM, Goldberger BA. A quantitative LC-MS/MS analysis of Xylazine, p-Fluorofentanyl, Fentanyl and Fentanyl-Related compounds in postmortem blood. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2024 Apr 15;1237:124059. doi: 10.1016/j.jchromb.2024.124059. Epub 2024 Feb 28. PMID: 38489939.
20. Fogarty MF, Krotulski AJ, Papsun DM, Walton SE, Lamb M, Truver MT, Chronister CW, Goldberger BA, Logan BK. N,N-Dimethylpentylone (dipentylone) - A new synthetic cathinone identified in a postmortem forensic toxicology case series. *J Anal Toxicol*. 2023 Nov 1;47(8):753-761. doi: 10.1093/jat/bkad037. PMID: 37329303.
21. Zhang M, Truver MT, Hoyer JL, Chronister CW, Goldberger BA. Presumptive identification of nitrite by Griess reagent test strips - Case reports of fatal poisoning with

- sodium nitrite. *J Anal Toxicol*. 2023 Nov 1;47(8):746-749. doi: 10.1093/jat/bkad038. PMID: 37329300.
22. Palamar JJ, Goldberger BA. Surveillance of Xylazine Use and Poisonings Is Needed - Without Blind Spots. *Ann Intern Med*. 2023 Oct;176(10):1426-1427. doi: 10.7326/M23-2299. Epub 2023 Oct 10. PMID: 37812778.
23. Truver MT, Crosby MM, Gillette AT, Brogan SC, Hoyer JL, Chronister CW, Broussard WA, Vega RS, Goldberger BA. Fatal intoxication involving 2-methyl AP-237. *J Forensic Sci*. 2023 Jul;68(4):1419-1424. doi: 10.1111/1556-4029.15295. Epub 2023 Jun 1. PMID: 37264551.
24. Kariisa M, O'Donnell J, Kumar S, Mattson CL, Goldberger BA. Illicitly Manufactured Fentanyl-Involved Overdose Deaths with Detected Xylazine – United States, January 2019-June 2022. *MMWR Morb Mortal Wkly Rep*. 2023 Jun 30;72(26):721-727. doi: 10.15585/mmwr.mm7226a4. PMID: 37384558; PMCID: PMC10328484.
25. Crosby MM, Truver MT, Chronister CW, Hoyer JL, Kinsey AM, Brogan SC, Goldberger BA. Identification of 11-nor- Δ^8 -Tetrahydrocannabinol-9-Carboxylic Acid in Postmortem Urine. *J Anal Toxicol*. 2023 May 19;47(5):481-487. doi: 10.1093/jat/bkad023. PMID: 37026691.
26. Truver MT, Chronister CW, Kinsey AM, Hoyer JL, Goldberger BA. Toxicological Analysis of Fluorofentanyl Isomers in Postmortem Blood. *J Anal Toxicol*. 2022 Oct 14;46(8):835-843. doi: 10.1093/jat/bkac014. PMID: 35277721.
27. Algarin AB, Plazarte GN, Sovich KR, Seeger SD, Li Y, Cohen RA, Striley CW, Goldberger BA, Wang Y, Somboonwit C, Ibañez GE, Spencer EC, Cook RL. Marijuana Use and Health Outcomes in Persons Living With HIV: Protocol for the Marijuana Associated Planning and Long-term Effects (MAPLE) Longitudinal Cohort Study. *JMIR Res Protoc*. 2022 Aug 30;11(8):e37153. doi: 10.2196/37153. PMID: 36040775; PMCID: PMC9472048.
28. Gladden RM, Chavez-Gray V, O'Donnell J, Goldberger BA. Notes From the Field: Overdose Deaths Involving Eutylone (Psychoactive Bath Salts) - United States, 2020. *MMWR Morb Mortal Wkly Rep*. 2022 Aug 12;71(32):1032-1034. doi: 10.15585/mmwr.mm7132a3. PMID: 35951491; PMCID: PMC9400538.
29. Palamar JJ, Cottler LB, Goldberger BA, Severtson SG, Grundy DJ, Iwanicki JL, Ciccarone D. Trends in characteristics of fentanyl-related poisonings in the United States, 2015-2021. *Am J Drug Alcohol Abuse*. 2022 Jun 15:1-10. doi: 10.1080/00952990.2022.2081923. Epub ahead of print. PMID: 35704785.

30. Truver MT, Chronister CW, Kinsey AM, Hoyer JL, Goldberger BA. Toxicological Analysis of Fluorofentanyl Isomers in Postmortem Blood. *J Anal Toxicol*. 2022 Mar 11:bkac014. doi: 10.1093/jat/bkac014. Epub ahead of print. PMID: 35277721.
31. Reisfield GM, Teitelbaum SA, Bertholf RL, Goldberger BA. Letter to the Editor (RE: Polles et al). *J Addict Med*. 2022 Jan-Feb 01;16(1):e66. doi: 10.1097/ADM.0000000000000908. PMID: 35120070.
32. Barenholtz E, Krotulski AJ, Morris P, Fitzgerald ND, Le A, Papsun DM, Logan BK, Hahn WE, Goldberger BA, Cottler LB, Palamar JJ. Online surveillance of novel psychoactive substances (NPS): Monitoring Reddit discussions as a predictor of increased NPS-related exposures. *Int J Drug Policy*. 2021 Dec;98:103393. doi: 10.1016/j.drugpo.2021.103393. Epub 2021 Aug 5. PMID: 34365124; PMCID: PMC8671170.
33. Krotulski AJ, Papsun DM, Chronister CW, Homan J, Crosby MM, Hoyer J, Goldberger BA, Logan BK. Eutylone Intoxications-An Emerging Synthetic Stimulant in Forensic Investigations. *J Anal Toxicol*. 2020 Aug 25:bkaa113. doi: 10.1093/jat/bkaa113. Epub ahead of print. PMID: 33325503.
34. Cottler LB, Goldberger BA, Nixon SJ, Striley CW, Barenholtz E, Fitzgerald ND, Taylor SM, Palamar JJ. Introducing NIDA's New National Drug Early Warning System. *Drug Alcohol Depend*. 2020 Dec 1;217:108286. doi: 10.1016/j.drugalcdep.2020.108286. Epub 2020 Sep 14. PMID: 32979739; PMCID: PMC7489265.
35. O'Donnell J, Gladden RM, Goldberger BA, Mattson CL, Kariisa M. Notes from the Field: Opioid-Involved Overdose Deaths with Fentanyl or Fentanyl Analogs Detected - 28 States and the District of Columbia, July 2016-December 2018. *MMWR Morb Mortal Wkly Rep*. 2020 Mar 13;69(10):271-273. doi: 10.15585/mmwr.mm6910a4. PMID: 32163382; PMCID: PMC7075253.
36. Rubin KM, Goldberger BA, Garrett TJ. Detection of Chemical Weapon Nerve Agents in Bone by Liquid Chromatography-Mass Spectrometry. *J Anal Toxicol*. 2020 Feb 25:bkz118. doi: 10.1093/jat/bkz118. Epub ahead of print. PMID: 32103269.
37. Delcher C, Wang Y, Vega RS, Halpin J, Gladden RM, O'Donnell JK, Hvozdoch JA, Goldberger BA. Carfentanil Outbreak - Florida, 2016-2017. *MMWR Morb Mortal Wkly Rep*. 2020 Feb 7;69(5):125-129. doi: 10.15585/mmwr.mm6905a2. PMID: 32027630; PMCID: PMC7004395.
38. Hvozdoch JA, Chronister CW, Logan BK, Goldberger BA. Case Report: Synthetic Cannabinoid Deaths in State of Florida Prisoners. *J Anal Toxicol*. 2020 Apr 30;44(3):298-300. doi: 10.1093/jat/bkz092. PMID: 31776572.

39. Wang Y, Delcher C, Li Y, Goldberger BA, Reisfield GM. Overlapping prescriptions of opioids, benzodiazepines, and carisoprodol: "Holy Trinity" prescribing in the state of Florida. *Drug Alcohol Depend.* 2019 Dec 1;205:107693. doi: 10.1016/j.drugalcdep.2019.107693. Epub 2019 Oct 28. PMID: 31751873.
40. Slavova S, Delcher C, Buchanich JM, Bunn TL, Goldberger BA, Costich JF. Methodological Complexities in Quantifying Rates of Fatal Opioid-Related Overdose. *Curr Epidemiol Rep.* 2019;6(2):263-274. doi:10.1007/s40471-019-00201-9. Epub 2019 May 2. PMID: 31259141; PMCID: PMC6559129.
41. Finkelstein MJ, Chronister CW, Stanley C, Ogilvie LM, Goldberger BA. Analysis of Acetyl Fentanyl in Postmortem Specimens by Gas Chromatography-Mass Spectrometry (GC-MS): Method Validation and Case Report. *J Anal Toxicol.* 2019 Jun 1;43(5):392-398. doi: 10.1093/jat/bky108. PubMed PMID: 30767008.
42. Jannetto PJ, Helander A, Garg U, Janis GC, Goldberger B, Ketha H. The Fentanyl Epidemic and Evolution of Fentanyl Analogs in the United States and the European Union. *Clin Chem.* 2019 Feb;65(2):242-253. doi: 10.1373/clinchem.2017.281626. Epub 2018 Oct 10. Review. PubMed PMID: 30305277.
43. Morrow JB, Roper-Miller JD, Catlin ML, Winokur AD, Cadwallader AB, Staymates JL, Williams SR, McGrath JG, Logan BK, McCormick MM, Nolte KB, Gilson TP, Menendez MJ, Goldberger BA. The Opioid Epidemic: Moving Toward an Integrated, Holistic Analytical Response. *J Anal Toxicol.* 2019 Jan 1;43(1):1-9. doi: 10.1093/jat/bky049. Review. PubMed PMID: 30165647.
44. Mullins GR, Reeves A, Yu M, Goldberger BA, Bazydlo LAL. Improved Clinical Sensitivity of a Reflexive Algorithm to Minimize False-Negative Test Results by a Urine Benzodiazepine Immunoassay Screen. *J Applied Lab Med.* 2018 Jan;2(4):555-563. DOI: 10.1373/jalm.2017.024539.
45. Delcher C, Wang Y, Young HW 2nd, Goldberger BA, Schmidt S, Reisfield GM. Trends in Florida's Prescription Drug Monitoring Program registration and utilization: Implications for increasing voluntary use. *J Opioid Manag.* 2017 Sep/Oct;13(5):283-289. doi: 10.5055/jom.2017.0397. PubMed PMID: 29199394.
46. O'Donnell JK, Halpin J, Mattson CL, Goldberger BA, Gladden RM. Deaths Involving Fentanyl, Fentanyl Analogs, and U-47700 - 10 States, July-December 2016. *MMWR Morb Mortal Wkly Rep.* 2017 Nov 3;66(43):1197-1202. doi: 10.15585/mmwr.mm6643e1. PubMed PMID: 29095804; PubMed Central PMCID: PMC5689219.
47. Delcher C, Chen G, Wang Y, Slavova S, Goldberger BA. Fatal poisonings involving propoxyphene before and after voluntary withdrawal from the United States' market:

- An analysis from the state of Florida. *Forensic Sci Int*. 2017 Nov;280:228-232. doi: 10.1016/j.forsciint.2017.10.008. Epub 2017 Oct 14. PubMed PMID: 29080523.
48. Delcher C, Livingston M, Wang Y, Mowitz M, Maldonado-Molina M, Goldberger BA. Supply-Side Disruption in Cocaine Production Associated With Cocaine-Related Maternal and Child Health Outcomes in the United States. *Am J Public Health*. 2017 May;107(5):812-814. doi: 10.2105/AJPH.2017.303708. Epub 2017 Mar 21. PubMed PMID: 28323460; PubMed Central PMCID: PMC5388966.
 49. Lee D, Chronister CW, Broussard WA, Utley-Bobak SR, Schultz DL, Vega RS, Goldberger BA. Illicit Fentanyl-Related Fatalities in Florida: Toxicological Findings. *J Anal Toxicol*. 2016 Oct;40(8):588-594. PubMed PMID: 27702938.
 50. Peterson AB, Gladden RM, Delcher C, Spies E, Garcia-Williams A, Wang Y, Halpin J, Zibbell J, McCarty CL, DeFiore-Hyrmer J, DiOrio M, Goldberger BA. Increases in Fentanyl-Related Overdose Deaths - Florida and Ohio, 2013-2015. *MMWR Morb Mortal Wkly Rep*. 2016 Aug 26;65(33):844-9. doi: 10.15585/mmwr.mm6533a3. PubMed PMID: 27560948.
 51. Delcher C, Wang Y, Wagenaar AC, Goldberger BA, Cook RL, Maldonado-Molina MM. Prescription and Illicit Opioid Deaths and the Prescription Drug Monitoring Program in Florida. *Am J Public Health*. 2016 Jun;106(6):e10-1. doi: 10.2105/AJPH.2016.303104. PubMed PMID: 27153025.
 52. Lee D, Delcher C, Maldonado-Molina MM, Thogmartin JR, Goldberger BA. Manners of Death in Drug-Related Fatalities in Florida. *J Forensic Sci*. 2016 May;61(3):735-42. doi: 10.1111/1556-4029.12999. Epub 2016 Mar 30. PubMed PMID: 27122413.
 53. Colon-Perez LM, Tran K, Thompson K, Pace MC, Blum K, Goldberger BA, Gold MS, Buijnzeel AW, Setlow B, Febo M. The Psychoactive Designer Drug and Bath Salt Constituent MDPV Causes Widespread Disruption of Brain Functional Connectivity. *Neuropsychopharmacology*. 2016 Aug;41(9):2352-65. doi: 10.1038/npp.2016.40. Epub 2016 Mar 21. PubMed PMID: 26997298; PubMed Central PMCID: PMC4946066.
 54. Williams JC, Klein TW, Goldberger BA, Sleasman JW, Mackman N, Goodenow MM. $\Delta(9)$ -Tetrahydrocannabinol (THC) enhances lipopolysaccharide-stimulated tissue factor in human monocytes and monocyte-derived microvesicles. *J Inflamm (Lond)*. 2015 Jun 12;12:39. doi: 10.1186/s12950-015-0084-1. eCollection 2015. PubMed PMID 26085816; PubMed Central PMCID: PMC4469459.
 55. Lee D, Chronister CW, Hoyer J, Goldberger BA. Ethylone-Related Deaths: Toxicological Findings. *J Anal Toxicol*. 2015 Sep;39(7):567-71. doi: 10.1093/jat/bkv053. Epub 2015 May 29. PubMed PMID: 26025164.

-
56. Caplan YH, Goldberger BA, Bertholf RL, Bazydlo LA, Forney RB Jr. Concerning the Sixth Edition of Garriott's Medicolegal Aspects of Alcohol. *J Anal Toxicol*. 2015 Jul-Aug;39(6):495. doi: 10.1093/jat/bkv033. Epub 2015 May 7. PubMed PMID: 25953843.
 57. Reisfield GM, Goldberger BA, Bertholf RL. Choosing the right laboratory: a review of clinical and forensic toxicology services for urine drug testing in pain management. *J Opioid Manag*. 2015 Jan-Feb;11(1):37-44. doi: 10.5055/jom.2015.0250. Review. PubMed PMID: 25750163.
 58. Delcher C, Wagenaar AC, Goldberger BA, Cook RL, Maldonado-Molina MM. Abrupt decline in oxycodone-caused mortality after implementation of Florida's Prescription Drug Monitoring Program. *Drug Alcohol Depend*. 2015 May 1;150:63-8. doi: 10.1016/j.drugalcdep.2015.02.010. Epub 2015 Feb 19. PubMed PMID: 25746236.
 59. Lee D, Garrett TJ, Goldberger BA, Bazydlo LA. Quantitation of 25-hydroxyvitamin D2 and D3 in serum and plasma by LCMS/MS. *Bioanalysis*. 2015;7(2):167-78. doi: 10.4155/bio.14.229. PubMed PMID: 25587834.
 60. Lee D, Bazydlo LA, Reisfield GM, Goldberger BA. Urine Spiking in a Pain Medicine Clinic: An Attempt to Simulate Adherence. *Pain Med*. 2015 Jul;16(7):1449-51. doi: 10.1111/pme.12663. Epub 2014 Dec 18. PubMed PMID: 25522892.
 61. Lee D, Delcher C, Maldonado-Molina MM, Bazydlo LA, Thogmartin JR, Goldberger BA. Trends in licit and illicit drug-related deaths in Florida from 2001 to 2012. *Forensic Sci Int*. 2014 Dec;245:178-86. doi: 10.1016/j.forsciint.2014.10.024. Epub 2014 Oct 24. PubMed PMID: 25447191.
 62. Cottler LB, Ajinkya S, Goldberger BA, Ghani MA, Martin DM, Hu H, Gold MS. Prevalence of drug and alcohol use in urban Afghanistan: epidemiological data from the Afghanistan National Urban Drug Use Study (ANUDUS). *Lancet Glob Health*. 2014 Oct;2(10):e592-600. doi: 10.1016/S2214-109X(14)70290-6. PubMed PMID: 25304635.
 63. Williams JC, Appelberg S, Goldberger BA, Klein TW, Sleasman JW, Goodenow MM. $\Delta(9)$ -Tetrahydrocannabinol treatment during human monocyte differentiation reduces macrophage susceptibility to HIV-1 infection. *J Neuroimmune Pharmacol*. 2014 Jun;9(3):369-79. doi: 10.1007/s11481-014-9527-3. Epub 2014 Feb 23. PubMed PMID: 24562630; PubMed Central PMCID: PMC4019698.
 64. Nichols SL, Lowe A, Zhang X, Garvie PA, Thornton S, Goldberger BA, Hou W, Goodenow MM, Sleasman JW. Concordance between self-reported substance use and toxicology among HIV-infected and uninfected at risk youth. *Drug Alcohol Depend*. 2014 Jan 1;134:376-82. doi: 10.1016/j.drugalcdep.2013.11.010. Epub 2013 Nov 19. PubMed PMID: 24309297; PubMed Central PMCID: PMC4006963.

-
65. Davis GG; National Association of Medical Examiners and American College of Medical Toxicology Expert Panel on Evaluating and Reporting Opioid Deaths. Complete republication: National Association of Medical Examiners position paper: Recommendations for the investigation, diagnosis, and certification of deaths related to opioid drugs. *J Med Toxicol.* 2014 Mar;10(1):100-6. doi: 10.1007/s13181-013-0323-x. PubMed PMID: 24132519; PubMed Central PMCID: PMC3951636.
 66. Goldberger BA, Maxwell JC, Campbell A, Wilford BB. Uniform standards and case definitions for classifying opioid-related deaths: recommendations by a SAMHSA consensus panel. *J Addict Dis.* 2013;32(3):231-43. doi: 10.1080/10550887.2013.824334. PubMed PMID: 24074189; PubMed Central PMCID: PMC3805449.
 67. Yarrow JF, Beck DT, Conover CF, Beggs LA, Goldberger BA, Borst SE. Invalidation of a commercially available human 5 α -dihydrotestosterone immunoassay. *Steroids.* 2013 Dec 11;78(12-13):1220-5. doi: 10.1016/j.steroids.2013.08.013. Epub 2013 Sep 6. PubMed PMID: 24012740.
 68. Ross EA, Reisfield GM, Watson MC, Chronister CW, Goldberger BA. Psychoactive "bath salts" intoxication with methylenedioxypyrovalerone. *Am J Med.* 2012 Sep;125(9):854-8. doi: 10.1016/j.amjmed.2012.02.019. Epub 2012 Jun 9. Review. PubMed PMID: 22682791.
 69. Reisfield GM, Goldberger BA, Gold MS, DuPont RL. The mirage of impairing drug concentration thresholds: a rationale for zero tolerance per se driving under the influence of drugs laws. *J Anal Toxicol.* 2012 Jun;36(5):353-6. doi: 10.1093/jat/bks037. PubMed PMID: 22582272.
 70. Paulozzi LJ, Ibrahimova A, Rudd RA, Goldberger BA, Thogmartin JR and Shelton K. A Comparison of Florida Medical Examiners' Reports and Death Certificates for Specific Drug Related Overdose Deaths. *Acad Forensic Pathol.* 2:190-197 (2012).
 71. Cina SJ, Collins KA and Goldberger BA. Toxicology: What is Routine for Medicolegal Investigation Purposes? *Acad Forensic Pathol.* 1:28-31 (2011).
 72. Goldberger B, Thogmartin J, Johnson H, Paulozzi L, Rudd R and Ibrahimova A. Drug overdose deaths - Florida, 2003–2009. *MMWR* 60:869-872 (2011).
 73. Ross EA, Watson M, Goldberger B. "Bath salts" intoxication. *N Engl J Med.* 2011 Sep 8;365(10):967-8. doi: 10.1056/NEJMc1107097. PubMed PMID: 21899474.
 74. Bertholf RL, Bertholf AL, Reisfield GM, Goldberger BA. Respiratory exposure to ethanol vapor during use of hand sanitizers: is it significant? *J Anal Toxicol.* 2011 Jun;35(5):319-20. PubMed PMID: 21929874.

-
75. Reisfield GM, Goldberger BA, Pesce AJ, Crews BO, Wilson GR, Teitelbaum SA, Bertholf RL. Ethyl glucuronide, ethyl sulfate, and ethanol in urine after intensive exposure to high ethanol content mouthwash. *J Anal Toxicol.* 2011 Jun;35(5):264-8. PubMed PMID: 21619720.
 76. Morey TE, Booth MM, Prather RA, Nixon SJ, Boissoneault J, Melker RJ, Goldberger BA, Wohltjen H, Dennis DM. Measurement of ethanol in gaseous breath using a miniature gas chromatograph. *J Anal Toxicol.* 2011 Apr;35(3):134-42. PubMed PMID: 21439148; PubMed Central PMCID: PMC3152827.
 77. Reisfield GM, Goldberger BA, Crews BO, Pesce AJ, Wilson GR, Teitelbaum SA, Bertholf RL. Ethyl glucuronide, ethyl sulfate, and ethanol in urine after sustained exposure to an ethanol-based hand sanitizer. *J Anal Toxicol.* 2011 Mar;35(2):85-91. PubMed PMID: 21396227.
 78. Gold MS, Graham NA, Goldberger BA. Second-hand and third-hand drug exposures in the operating room: a factor in anesthesiologists' dependency on fentanyl. *J Addict Dis.* 2010 Jul;29(3):280-1. doi: 10.1080/10550887.2010.490466. PubMed PMID: 20635276.
 79. Thombs DL, O'Mara RJ, Hou W, Wagenaar AC, Dong HJ, Merves ML, Goldberger BA, Weiler RM, Dodd VJ, Clapp JD. 5-HTTLPR genotype and associations with intoxication and intention to drive: results from a field study of bar patrons. *Addict Biol.* 2011 Jan;16(1):133-41. doi: 10.1111/j.1369-1600.2010.00225.x. PubMed PMID: 20579008.
 80. Goldberger BA, Chronister CW, Merves ML. Quantitation of oxycodone in blood and urine using gas chromatography-mass spectrometry (GC-MS). *Methods Mol Biol.* 2010;603:453-60. doi: 10.1007/978-1-60761-459-3_44. PubMed PMID: 20077097.
 81. Goldberger BA, Chronister CW, Merves ML. Quantitation of opioids in blood and urine using gas chromatography-mass spectrometry (GC-MS). *Methods Mol Biol.* 2010;603:399-410. doi: 10.1007/978-1-60761-459-3_39. PubMed PMID: 20077092.
 82. Goldberger BA, Chronister CW, Merves ML. Quantitation of fentanyl in blood and urine using gas chromatography-mass spectrometry (GC-MS). *Methods Mol Biol.* 2010;603:245-52. doi: 10.1007/978-1-60761-459-3_22. PubMed PMID: 20077075.
 83. Goldberger BA, Chronister CW, Merves ML. Quantitation of benzodiazepines in blood and urine using gas chromatography-mass spectrometry (GC-MS). *Methods Mol Biol.* 2010;603:75-87. doi: 10.1007/978-1-60761-459-3_8. PubMed PMID: 20077061.
 84. Thombs DL, O'Mara RJ, Tsukamoto M, Rossheim ME, Weiler RM, Merves ML, Goldberger BA. Event-level analyses of energy drink consumption and alcohol intoxication in bar patrons. *Addict Behav.* 2010 Apr;35(4):325-30. doi: 10.1016/j.addbeh.2009.11.004. Epub 2009 Nov 24. PubMed PMID: 19954894.

85. Reisfield GM, Chronister CW, Goldberger BA, Bertholf RL. Unexpected urine drug testing results in a hospice patient on high-dose morphine therapy. *Clin Chem*. 2009 Oct;55(10):1765-8. doi: 10.1373/clinchem.2008.122754. PubMed PMID: 19786586.
86. O'Mara RJ, Thombs DL, Wagenaar AC, Rossheim ME, Merves ML, Hou W, Dodd VJ, Pokorny SB, Weiler RM, Goldberger BA. Alcohol price and intoxication in college bars. *Alcohol Clin Exp Res*. 2009 Nov;33(11):1973-80. doi: 10.1111/j.1530-0277.2009.01036.x. Epub 2009 Aug 31. PubMed PMID: 19719793.
87. Reisfield GM, Goldberger BA, Bertholf RL. 'False-positive' and 'false-negative' test results in clinical urine drug testing. *Bioanalysis*. 2009 Aug;1(5):937-52. doi: 10.4155/bio.09.81. Review. PubMed PMID: 21083064.
88. Thombs DL, O'Mara R, Dodd VJ, Merves ML, Weiler RM, Goldberger BA, Pokorny SB, Moore C, Reingle J, Gullet SE. Event-specific analyses of poly-drug abuse and concomitant risk behavior in a college bar district in Florida. *J Am Coll Health*. 2009 May-Jun;57(6):575-85. doi: 10.3200/JACH.57.6.575-586. PubMed PMID: 19433395.
89. Graham NA, Gold MS, Goldberger BA. Prescription opioids and overdose deaths. *JAMA*. 2009 May 6;301(17):1766; author reply 1767-8. doi: 10.1001/jama.2009.577. PubMed PMID: 19417189.
90. Thombs DL, O'Mara R, Dodd VJ, Hou W, Merves ML, Weiler RM, Pokorny SB, Goldberger BA, Reingle J, Werch CC. A field study of bar-sponsored drink specials and their associations with patron intoxication. *J Stud Alcohol Drugs*. 2009 Mar;70(2):206-14. PubMed PMID: 19261232.
91. Chin JM, Merves ML, Goldberger BA, Sampson-Cone A, Cone EJ. Caffeine content of brewed teas. *J Anal Toxicol*. 2008 Oct;32(8):702-4. PubMed PMID: 19007524.
92. Chronister CW, Gund AL, Goldberger BA. Rapid detection of opioids in vitreous humor by enzyme immunoassay. *J Anal Toxicol*. 2008 Oct;32(8):601-4. PubMed PMID:19007509.
93. Merlo LJ, Goldberger BA, Kolodner D, Fitzgerald K, Gold MS. Fentanyl and propofol exposure in the operating room: sensitization hypotheses and further data. *J Addict Dis*. 2008;27(3):67-76. doi: 10.1080/10550880802122661. PubMed PMID: 18956530.
94. Ledgerwood DM, Goldberger BA, Risk NK, Lewis CE, Price RK. Comparison between self-report and hair analysis of illicit drug use in a community sample of middle-aged men. *Addict Behav*. 2008 Sep;33(9):1131-9. doi: 10.1016/j.addbeh.2008.04.009. Epub 2008 May 8. PubMed PMID: 18547737; PubMed Central PMCID: PMC2495080.

95. Reisfield GM, Haddad J, Wilson GR, Johannsen LM, Voorhees KL, Chronister CW, Goldberger BA, Peele JD, Bertholf RL. Failure of amoxicillin to produce false-positive urine screens for cocaine metabolite. *J Anal Toxicol.* 2008 May;32(4):315-8. PubMed PMID: 18430300.
96. Graham NA, LJ, Goldberger BA, Gold MS. Methadone- and heroin-related deaths in Florida. *Am J Drug Alcohol Abuse.* 2008;34(3):347-53. doi: 10.1080/00952990802010892. PubMed PMID: 18428077.
97. Goldberger BA. President's editorial--fostering advancements in forensic science. *J Forensic Sci.* 2008 Jan;53(1):5. doi: 10.1111/j.1556-4029.2007.00639.x. PubMed PMID: 18279230.
98. Goldberger BA, Graham NA, Nelson SJ, Cadet JL, Gold MS. A marked increase in cocaine-related deaths in the State of Florida: precursor to an epidemic? *J Addict Dis.* 2007;26(3):113-6. PubMed PMID: 18018815.
99. Gold MS, Kolodner D, Logan D and Goldberger BA. Second hand exposure hypothesis for physician addiction: new evidence for exposure in the air and through the skin. Response to Letter to the Editor. *J Addict Dis.* 25:141-144, 2006.
100. Gold MS, Graham NA, Kobeissy FH, Pepine CJ, Goldberger BA. Speed, cocaine, and other psychostimulants death rates. *Am J Cardiol.* 2007 Oct 1;100(7):1184. Epub 2007 Jun 8. PubMed PMID: 17884386.
101. McCusker RR, Fuehrlein B, Goldberger BA, Gold MS, Cone EJ. Caffeine content of decaffeinated coffee. *J Anal Toxicol.* 2006 Oct;30(8):611-3. PubMed PMID: 17132260.
102. Gold MS, Frost-Pineda K, Goldberger BA, DuPont RL. Physicians and drug screening. *J Adolesc Health.* 2006 Aug;39(2):154-5; author reply 155. PubMed PMID: 16857524.
103. McCusker RR, Goldberger BA, Cone EJ. Caffeine content of energy drinks, carbonated sodas, and other beverages. *J Anal Toxicol.* 2006 Mar;30(2):112-4. PubMed PMID: 16620542.
104. O'Dell LE, Bruijnzeel AW, Smith RT, Parsons LH, Merves ML, Goldberger BA, Richardson HN, Koob GF, Markou A. Diminished nicotine withdrawal in adolescent rats: implications for vulnerability to addiction. *Psychopharmacology (Berl).* 2006 Jul;186(4):612-9. Epub 2006 Apr 6. PubMed PMID: 16598454.
105. McAuliffe PF, Gold MS, Bajpai L, Merves ML, Frost-Pineda K, Pomm RM, Goldberger BA, Melker RJ, Cendán JC. Second-hand exposure to aerosolized intravenous anesthetics propofol and fentanyl may cause sensitization and subsequent opiate addiction among

- anesthesiologists and surgeons. *Med Hypotheses*. 2006;66(5):874-82. Epub 2006 Jan 23. PubMed PMID: 16431033.
106. Li M, Goldberger BA, Hopkins C. Fatal case of BOTOX-related anaphylaxis? *J Forensic Sci*. 2005 Jan;50(1):169-72. PubMed PMID: 15831014.
 107. Drummer O, Forrest AR, Goldberger B, Karch SB; International Toxicology Advisory Group. Forensic science in the dock. *BMJ*. 2004 Sep 18;329(7467):636-7. PubMed PMID: 15374894; PubMed Central PMCID: PMC517629.
 108. Szabo ST, Gold MS, Goldberger BA, Blier P. Effects of sustained gamma-hydroxybutyrate treatments on spontaneous and evoked firing activity of locus coeruleus norepinephrine neurons. *Biol Psychiatry*. 2004 May 1;55(9):934-9. PubMed PMID: 15110737.
 109. McCusker RR, Goldberger BA, Cone EJ. Caffeine content of specialty coffees. *J Anal Toxicol*. 2003 Oct;27(7):520-2. PubMed PMID: 14607010.
 110. Murray RA, Doering PL, Boothby LA, Merves ML, McCusker RR, Chronister CW, Goldberger BA. Putting an Ecstasy test kit to the test: harm reduction or harm induction? *Pharmacotherapy*. 2003 Oct;23(10):1238-44. PubMed PMID: 14594341.
 111. Goldberger BA, Polettini A. Forensic toxicology: web resources. *Toxicology*. 2002 Apr 25;173(1-2):97-102. Review. PubMed PMID: 11955687.
 112. Chronister CW, Walrath JC, Goldberger BA. Rapid detection of benzoylecgonine in vitreous humor by enzyme immunoassay. *J Anal Toxicol*. 2001 Oct;25(7):621-4. PubMed PMID: 11599611.
 113. Winecker RE, Goldberger BA, Tebbett IR, Behnke M, Eyler FD, Karlix JL, Wobie K, Conlon M, Phillips D, Bertholf RL. Detection of cocaine and its metabolites in breast milk. *J Forensic Sci*. 2001 Sep;46(5):1221-3. PubMed PMID: 11569568.
 114. Caplan YH, Goldberger BA. Alternative specimens for workplace drug testing. *J Anal Toxicol*. 2001 Jul-Aug;25(5):396-9. Review. PubMed PMID: 11499896.
 115. Ropero-Miller JD, Goldberger BA, Cone EJ, Joseph RE Jr. The disposition of cocaine and opiate analytes in hair and fingernails of humans following cocaine and codeine administration. *J Anal Toxicol*. 2000 Oct;24(7):496-508. PubMed PMID: 11043652.
 116. Hattab EM, Goldberger BA, Johannsen LM, Kindland PW, Ticino F, Chronister CW, 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 exposures. *Ann Clin Lab Sci*. 2000 Jan;30(1):85-91. PubMed PMID: 10678589.

117. Ropero-Miller JD, Paget-Wilkes H, Doering PL, Goldberger BA. Effect of oral creatine supplementation on random urine creatinine, pH, and specific gravity measurements. *Clin Chem*. 2000 Feb;46(2):295-7. PubMed PMID: 10657393.
118. Preston KL, Huestis MA, Wong CJ, Umbricht A, Goldberger BA, Cone EJ. Monitoring cocaine use in substance-abuse-treatment patients by sweat and urine testing. *J Anal Toxicol*. 1999 Sep;23(5):313-22. PubMed PMID: 10488917.
119. McCusker RR, Paget-Wilkes H, Chronister CW, Goldberger BA. Analysis of gamma-hydroxybutyrate (GHB) in urine by gas chromatography-mass spectrometry. *J Anal Toxicol*. 1999 Sep;23(5):301-5. PubMed PMID: 10488915.
120. Ropero-Miller JD, Goldberger BA. Recreational drugs. Current trends in the 90s. *Clin Lab Med*. 1998 Dec;18(4):727-46, x. Review. PubMed PMID: 9891611.
121. Preston KL, Goldberger BA, Cone EJ. Occurrence of cocaine in urine of substance-abuse treatment patients. *J Anal Toxicol*. 1998 Nov-Dec;22(7):580-6. PubMed PMID: 9847008.
122. Goldberger BA, Darraj AG, Caplan YH, Cone EJ. Detection of methadone, methadone metabolites, and other illicit drugs of abuse in hair of methadone-treatment subjects. *J Anal Toxicol*. 1998 Oct;22(6):526-30. PubMed PMID: 9788529.
123. Garside D, Ropero-Miller JD, Goldberger BA, Hamilton WF, Maples WR. Identification of cocaine analytes in fingernail and toenail specimens. *J Forensic Sci*. 1998 Sep;43(5):974-9. PubMed PMID: 9729814.
124. Goldberger BA, Huestis MA, Wilkins DG. Commonly Practiced Quality Control and Quality Assurance Procedures for Gas Chromatography-Mass Spectrometry Analysis in Forensic Urine Drug-Testing Laboratories. *Forensic Sci Rev*. 1997 Dec;9(2):59-80. Review. PubMed PMID: 26269941.
125. Jenkins AJ, Goldberger BA. Identification of unique cocaine metabolites and smoking by-products in postmortem blood and urine specimens. *J Forensic Sci*. 1997 Sep;42(5):824-7. PubMed PMID: 9304829.
126. Ropero-Miller JD, Garside D, Goldberger BA. Automated on-line hydrolysis of benzodiazepines improves sensitivity of urine screening by a homogeneous enzyme immunoassay. *Clin Chem*. 1997 Sep;43(9):1659-60. PubMed PMID: 9299951.
127. Garside D, Goldberger BA, Preston KL, Cone EJ. Rapid liquid-liquid extraction of cocaine from urine for gas chromatographic-mass spectrometric analysis. *J Chromatogr B Biomed Sci Appl*. 1997 Apr 25;692(1):61-5. PubMed PMID: 9187384.

128. Winecker RE, Goldberger BA, Tebbett I, Behnke M, Eyler FD, Conlon M, Wobie K, Karlix J, Bertholf RL. Detection of cocaine and its metabolites in amniotic fluid and umbilical cord tissue. *J Anal Toxicol.* 1997 Mar-Apr;21(2):97-104. PubMed PMID: 9083826.
129. Goldberger BA, Cone EJ, Kadehjian L. Unsuspected ethanol ingestion through soft drinks and flavored beverages. *J Anal Toxicol.* 1996 Sep;20(5):332-3. PubMed PMID: 8872245.
130. Goldberger BA, Loewenthal B, Darwin WD, Cone EJ. Intrasubject variation of creatinine and specific gravity measurements in consecutive urine specimens of heroin users. *Clin Chem.* 1995 Jan;41(1):116-7. PubMed PMID: 7813059.
131. Goldberger BA, Caplan YH. Effect of glutaraldehyde (UrinAid) on detection of abused drugs in urine by immunoassay. *Clin Chem.* 1994 Aug;40(8):1605-6. PubMed PMID: 8045013.
132. Goldberger BA, Cone EJ. Confirmatory tests for drugs in the workplace by gas chromatography-mass spectrometry. *J Chromatogr A.* 1994 Jul 15;674(1-2):73-86. Review. PubMed PMID: 8075776.
133. Goldberger BA, Cone EJ, Grant TM, Caplan YH, Levine BS, Smialek JE. Disposition of heroin and its metabolites in heroin-related deaths. *J Anal Toxicol.* 1994 Jan-Feb;18(1):22-8. PubMed PMID: 8127080.
134. Cone EJ, Holicky BA, Grant TM, Darwin WD, Goldberger BA. Pharmacokinetics and pharmacodynamics of intranasal "snorted" heroin. *J Anal Toxicol.* 1993 Oct;17(6):327-37. PubMed PMID: 8271778.
135. Klette KL, Levine B, Dreka C, Smith ML, Goldberger BA. Cholinesterase activity in postmortem blood as a screening test for organophosphate/chemical weapon exposure. *J Forensic Sci.* 1993 Jul;38(4):950-5. PubMed PMID: 8355009.
136. Goldberger BA, Darwin WD, Grant TM, Allen AC, Caplan YH, Cone EJ. Measurement of heroin and its metabolites by isotope-dilution electron-impact mass spectrometry. *Clin Chem.* 1993 Apr;39(4):670-5. PubMed PMID: 8472364.
137. Ramcharitar V, Levine BS, Goldberger BA, Caplan YH. Bupropion and alcohol fatal intoxication: case report. *Forensic Sci Int.* 1992 Oct;56(2):151-6. PubMed PMID: 1452106.
138. Ripple MG, Goldberger BA, Caplan YH, Blitzer MG, Schwartz S. Detection of cocaine and its metabolites in human amniotic fluid. *J Anal Toxicol.* 1992 Sep-Oct;16(5):328-31. PubMed PMID: 1294840.

139. LoDico CP, Levine BS, Goldberger BA, Caplan YH. Distribution of isoniazid in an overdose death. *J Anal Toxicol*. 1992 Jan-Feb;16(1):57-9. PubMed PMID: 1640700.
140. Heller PF, Goldberger BA, Caplan YH. Chloral hydrate overdose: trichloroethanol detection by gas chromatography/mass spectrometry. *Forensic Sci Int*. 1992 Jan;52(2):231-4. PubMed PMID: 1601354.
141. Levine BS, Wu SC, Goldberger BA, Caplan YH. Two fatalities involving haloperidol. *J Anal Toxicol*. 1991 Sep-Oct;15(5):282-4. PubMed PMID: 1960983.
142. Goldberger BA, Caplan YH, Maguire T, Cone EJ. Testing human hair for drugs of abuse. III. Identification of heroin and 6-acetylmorphine as indicators of heroin use. *J Anal Toxicol*. 1991 Sep-Oct;15(5):226-31. PubMed PMID: 1960970.
143. McMullen NT, Goldberger B, Glaser EM. Postnatal development of lamina III/IV nonpyramidal neurons in rabbit auditory cortex: quantitative and spatial analyses of Golgi-impregnated material. *J Comp Neurol*. 1988 Dec 1;278(1):139-55. PubMed PMID: 2463295.
144. Levine B, Goldberger BA, Caplan YH. Evaluation of the coat-a-count radioimmunoassay for phencyclidine. *Clin Chem*. 1988 Feb;34(2):429. PubMed PMID: 3342528.
145. McMullen NT, Goldberger B, Suter CM, Glaser EM. Neonatal deafening alters nonpyramidal dendrite orientation in auditory cortex: a computer microscope study in the rabbit. *J Comp Neurol*. 1988 Jan 1;267(1):92-106. PubMed PMID: 3343394.
146. Caplan YH, Levine B, Goldberger B. Fluorescence polarization immunoassay evaluated for screening for amphetamine and methamphetamine in urine. *Clin Chem*. 1987 Jul;33(7):1200-2. PubMed PMID: 3297420.
147. Black DL, Goldberger BA, Caplan YH. Enzyme immunoassay method for comprehensive drug screening in micro-samples of urine. *Clin Chem*. 1987 Mar;33(3):367-71. PubMed PMID: 3545536.
148. Goldberger BA, Caplan YH. In vitro accuracy and precision studies comparing direct and delayed analysis of the ethanol content of vapor. *J Forensic Sci*. 1987 Jan;32(1):48-54. PubMed PMID: 3819688.
149. Goldberger BA, Caplan YH, Zettl JR. A long-term field experience with breath ethanol collection employing silica gel. *J Anal Toxicol*. 1986 Sep-Oct;10(5):194-7. PubMed PMID: 3022069.

150. Goldberger BA, Caplan YH. Infrared quantitative evidential breath-alcohol analyzers: in vitro accuracy and precision studies. J Forensic Sci. 1986 Jan;31(1):16-9. PubMed PMID: 3944560.
151. Black DL, Goldberger BA, Isenschmid DS, White SM, Caplan YH. Urine cannabinoid analysis: an integrated multi-method approach. J Anal Toxicol. 1984 Sep-Oct;8(5):224-7. PubMed PMID: 6389979.

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. Goldberger BA: President's Editorial - Fostering advancements in forensic science. J. Forensic Sci. 53:5, 2008.
22. Goldberger BA, Martin DM and Gold MS: Opium Smoke: The study of second- and third-hand exposure in women and children of Afghanistan. U.S. Department of State, 2010.
23. DuPont RL, Reisfield GM, Goldberger BA and Gold MS. The seductive mirage of a 0.08 g/dL BAC equivalent for drugged driving. DATIA Focus, 2013.
24. Delcher C, Poston R, Marchall E, Lee D, Maldonado-Molina M and Goldberger BA. Florida's Prescription Drug Monitoring Program (E-FORCSE) Annual Report. 2014.
25. Goldberger BA, Martin DM and Gold MS: Afghanistan treatment center study: Children's hair, oral fluid, and urine drug testing. U.S. Department of State, 2014.

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. Roper 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. Roper-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. Evans LM, Roeser C, Merves ML, Chronister CW, Goldberger BA and Cone EJ. Caffeine content of energy shots. Society of Forensic Toxicologists, Richmond, Virginia, 2010.
87. Gold MS, Martin DM, Graham NA and 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.
88. Lee D, Garrett TJ, Goldberger BA and Bazydlo LA. Quantitation of 25-Hydroxyvitamin D₂ and D₃ in Serum and Plasma by Liquid Chromatography-Tandem Mass Spectrometry, Association for Mass Spectrometry: Applications to the Clinical Laboratory, San Diego, California, 2014.
89. Delcher C, Wagenaar A, Goldberger B and Maldonado-Molina M. The Effect of Florida's Prescription Drug Monitoring Program on Oxycodone-Caused Mortality: A Monthly Time Series Analysis, 2003-2012, College on Problems of Drug Dependence. San Juan, Puerto Rico, 2014.
90. Lee D, Delcher C, Maldonado-Molina MM, Bazydlo LA, Thogmartin JR and Goldberger BA. Trends in licit and illicit drug-related deaths in Florida from 2001 to 2012. World Forensic Festival-International Association of Forensic Sciences. Seoul, South Korea, 2014.
91. Finkelstein MJ, Chronister CW, Stanley C, Ogilvie LM and Goldberger BA. Analysis of Acetyl Fentanyl in Postmortem Blood and Urine Specimens by Gas Chromatography/Mass Spectrometry (GC/MS). American Academy of Forensic Sciences, Orlando, Florida, 2015.
92. Lee D, Delcher C, Maldonado-Molina MM, Thogmartin JR and Goldberger BA. Manners of Death in Drug-Related Fatalities in Florida. American Academy of Forensic Sciences, Orlando, Florida, 2015.
93. Finkelstein MJ, Chronister CW, Stanley C, Ogilvie L and Goldberger BA. Analysis of Acetyl Fentanyl in Postmortem Blood and Urine Specimens by Gas Chromatography-Mass Spectrometry. Society of Forensic Toxicologists, Atlanta, Georgia, 2015.

94. Lee D, Chronister CW, Broussard WA, Utley-Bobak SR, Schultz DL, Vega RS and Goldberger BA. Illicit Fentanyl-Related Fatalities in Florida: Toxicological Findings. Society of Forensic Toxicologists, Atlanta, Georgia, 2015.
95. Hvozdoich JA, Chronister CW, Goldberger BA and Minyard AN. Synthetic Cannabinoid Deaths in State of Florida Prisoners. Society of Forensic Toxicologists, Minneapolis, Minnesota, October, 2018.
96. Delcher C, Wang Y, Vega RS, Hvozdoich JA and Goldberger BA. A Carfentanil Outbreak in Florida, January 2016 to June 2017, American Academy of Forensic Sciences, Baltimore, Maryland, February, 2019.
97. Pierre C, Gineste C, Edwards M, Goldberger B and Bazydlo L. Incomplete Hydrolysis of Midazolam-Glucuronide Can Cause False Negatives on Urine Drug Confirmation by LC-MS/MS. Association for Mass Spectrometry: Applications to the Clinical Laboratory. Palm Springs, California, April, 2019.
98. O'Donnell J, Goldberger BA, and Kariisa M. Post-mortem Fentanyl and Fentanyl Analog Toxicological Findings from the CDC's State Unintentional Drug Overdose Reporting System (SUDORS), Society of Forensic Toxicologists, San Antonio, Texas, October, 2019.
99. Rubin KM and Goldberger BA. The Detection of Chemical Weapon Nerve Agents in Bone: An Anthropological Approach to Skeletal Toxicology, American Academy of Forensic Sciences, Anaheim, California, 2020.
100. Hvozdoich J, Wisniewski ML, Hoyer JL, Chronister CW and Goldberger BA. Presumptive Identification of Nitrite by Griess Reagent Test Strips—Applications in Suicide Investigations, American Academy of Forensic Sciences, Anaheim, California, 2020.
101. Logan BK, Menendez M, Weedn V, Zaney EM, Winoker AD, Baker AB, Goldberger BA, Walls CH, Worrell E, Kirkby R, Lurie IS, McCord BR, King P, Rieders MF, Shanbaum A and Roper-Miller J. Interaction of the Opioid Epidemic with the COVID-19 Pandemic: Impacts on the MDI Community, National Association of Medical Examiners (virtual), October, 2020.
102. Logan BK, Krotulski AJ, Papsun DM, Chronister CW, Crosby MM, Hoyer JL and Goldberger BA. Eutylone Intoxications: An Emerging Synthetic Stimulant in Forensic Investigations. National Association of Medical Examiners (virtual), October, 2020.
103. Bitting J, O'Donnell J and Goldberger BA. Assessing Benzodiazepine Involvement in Drug Overdose Deaths Utilizing the State Unintentional Drug Overdose Reporting System, 41 States and the District of Columbia, January 2019-June 2020. Society of Forensic Toxicologists, Nashville, Tennessee, October, 2021.

104. Truver MT, Chronister CW, Kinsey AM, Hoyer JL and Bruce A. Goldberger. Identification and Quantitation of Fluorofentanyl in Postmortem Blood. Society of Forensic Toxicologists, Nashville, Tennessee, October, 2021.
105. Truver MT, Gillette A, Brogan S, Hoyer JL, Chronister CW and Goldberger BA. Fatal Intoxication Involving 2-Methyl AP-237: A Case Report. American Academy of Forensic Sciences, Seattle, Washington, February, 2022.
106. Crosby MM, Truver MT, Chronister CW, Hoyer JL, Kinsey AM, Brogan SC and Goldberger BA. Identification of 11-Nor- Δ -8-Tetrahydrocannabinol-9-Carboxylic Acid in Postmortem Urine. Society of Forensic Toxicologists, Cleveland, Ohio, October, 2022.
107. Truver MT, Brogan SC, Kinsey AM, Hoyer JL, Chronister CW and Goldberger BA. Quantitation of Fentanyl, para-Fluorofentanyl, and Xylazine in Postmortem Blood by LC-MS/MS. American Academy of Forensic Sciences, Orlando, Florida, February, 2023.
108. Kaleem S, Roussos-Ross K, Dhillon KK, Goldberger BA, Varma DS, Abu-Rustum RS, Ramirez-Zamora A and Goodin A. Survey Assessment of Cannabis Use in an Obstetrics and Gynecology Clinic. American Society of Addiction Medicine, Washington, D.C., April, 2023.
109. Goodin A, Dhillon K, Kaleem S, Goldberger BA, Abu-Rustum RS, Ramirez-Zamora A, Varma DS, and Roussos-Ross K. Perception of Risks of Cannabis and CBD Use during Pregnancy among Pregnant versus Non-Pregnant Patients in an Obstetrics and Gynecology Clinic. Cannabis Clinical Outcomes Research Conference (CCORC), Orlando, Florida, May, 2023.
110. Dhoble L, Kinsey AM, Hoyer JL, Truver MT, Chronister CW and Goldberger BA. A Postmortem Case Report Involving Desalkylgidazepam and Bromazolam. Society of Forensic Toxicologists, Denver, Colorado, November, 2023.
111. Slavova S, McAninch J, Dasgupta N, Oyler D, Hargrove S, Hedegaard H, Goldberger BA, Akpunonu P, Slavov K, Conrad S, Daubresse M and Freeman PR. Application of the Drug Mention with Involvement (DMI) methodology as a tool for drug overdose surveillance, CSTE Annual Conference, Pittsburgh, PA, June, 2024.
112. Slavova S, Oyler D, Hargrove S, Hedegaard H, Goldberger BA, Akpunonu P, Slavov K, Dasgupta N and Freeman PR. Methodology for single- vs polydrug classification of poisoning deaths, College on Problems of Drug Dependence, Montreal, Canada, June, 2024.
113. Slavova S, Hargrove S, Hedegaard H, Oyler D, Goldberger BA, Akpunonu P, Slavov K, Dasgupta N, Quesinberry D, Daniels L, Ralston W and Freeman PR. Methodology for Identifying Single-drug Involved Poisoning Deaths: Application to Gabapentin-involved

Poisoning Death Surveillance, International Society for Pharmacoepidemiology, Berlin, Germany, August, 2024.

114. Ballotari M, Truver MT, Sojin N, Agliano L, Parimoo R, Hoyer JL, Goodin AJ, Varma DS, Chronister CW, Roussos-Ross K and Goldberger BA. Quantitative Analysis of $\Delta 8$ - and $\Delta 9$ -Tetrahydrocannabinol Metabolites and Isomers: A Rapid Assay in Urine by LC-MS/MS. Society of Forensic Toxicologists, St. Louis, Missouri, November, 2024.
115. Ballotari M, Truver MT, Hoyer JL, Fogarty MF, Walton SE, Krotulski AJ, Papsun DM, Goldberger BA and Chronister CW. Evaluation of a Case Series Involving N,N-Dimethylpentylone: A Retrospective Study and Trends. Society of Forensic Toxicologists, St. Louis, Missouri, November, 2024.
116. Ballotari M, Truver MT, Hoyer JH, Goldberger BA and Chronister CW. The Prevalence of P-Fluorofentanyl and Xylazine in Postmortem Fentanyl Casework: A Three-Year Retrospective Study, American Academy of Forensic Sciences, Baltimore, Maryland, February, 2025.
117. Sojin NA, Parimoo R, Agliano L, Goodin A, Varma D, Goldberger B and K Roussos-Ross. Comparing Clinical Research Participation Trends Among Pregnant Cannabis-Exposed and Unexposed Participants, Cannabis Clinical Outcomes Research Conference, Orlando, Florida, May 2025.
118. Palamar J, DeBord J, Krotulski A and Goldberger B. Anesthetics (“-Caines”) Adulterate the Illicit Fentanyl Supply: A National Drug Early Warning System (NDEWS) Alert. College on Problems of Drug Dependence, New Orleans, Louisiana, June, 2025.
119. Ballotari M, Truver MT, Sojin NA, Parimoo R, Agliano LA, Hoyer JL, Goodin AJ, Varma DS, Chronister CW, Roussos-Ross K and Goldberger BA. Analysis of Cannabinoids and Semi-synthetic Cannabinoids in Authentic Breastmilk Samples by Liquid Chromatography-Tandem Mass Spectrometry. Society of Forensic Toxicologists, Portland, Oregon, October, 2025.
120. Gomonit M, Walton S, Krotulski A, Truver MT, Chronister CW, Goldberger BA. A Case Report Involving Fatal MDPIHP Intoxication. Society of Forensic Toxicologists, Portland, Oregon, October, 2025.
121. Ballotari M, Truver MT and Goldberger BA. Assessing a New Recombinant β -glucuronidase Enzyme for the Analysis of Cannabinoids in Urine. Society of Forensic Toxicologists, Portland, Oregon, October, 2025.
122. Ballotari M, Truver MT, Kinsey AM, Hoyer JL, Goldberger BA and Chronister CW. The Reemergence of Carfentanil in the State of Florida: A Recent Case Series. Society of Forensic Toxicologists, Portland, Oregon, October, 2025.

123. Ballotari M, Truver MT, Hoyer JL, Chronister CW and Goldberger BA. Liquid Chromatography-Tandem Mass Spectrometry Analysis of Natural and Semi-Synthetic Cannabinoids in Authentic Postmortem Blood Samples. American Academy of Forensic Sciences, New Orleans, Louisiana, February, 2026.
124. Ballotari M, Truver MT, Goldberger BA, Bartock SH, Dui W and Roussos-Ross K. Analysis of Δ 8-Tetrahydrocannabinol, Δ 9-Tetrahydrocannabinol, and Cannabidiol Metabolites in Authentic Meconium Samples. American Academy of Forensic Sciences, New Orleans, Louisiana, February, 2026.

[July 19, 2026]