



Dr. Sara J. Schreiber, PhD, D-ABFT-FT

Biographical Information & CV

Dr. Sara J. Schreiber is a worldwide leader and highly accomplished forensic toxicologist, educator, and consultant whose work has earned recognition at both the national and international levels through leadership, teaching, professional service, and participation in major forensic pursuits. She has more than two decades of experience in forensic science, including over 25 years in toxicology and controlled substance analysis, and has served in senior laboratory, technical director, academic, and expert roles in governmental forensic institutions.

Dr. Schreiber currently serves as Assistant Professor of Criminal Justice and Program Chair at Wisconsin Lutheran College, where she teaches and helps prepare the next generation of forensic science professionals. Before entering academia, she served over 10 years as the Forensic Technical Director at the Milwaukee County Medical Examiner's Office, where she supervised daily forensic toxicology laboratory operations, reviewed analytical data, authored reports, validated methods, and maintained laboratory instrumentation and systems.

Earlier in her career, Dr. Schreiber served as a Forensic Toxicologist with the Wisconsin State Crime Laboratory in Milwaukee, where she examined biological specimens and suspected drug materials for alcohol, drugs, and poisons, provided technical review, and helped oversee toxicology unit operations. In addition, Dr. Schreiber served in Drug Identification with the crime lab, conducting controlled substance analysis and presenting expert testimony when required.

Dr. Schreiber's professional qualifications are strengthened by substantial academic and board credentials. She earned a Ph.D. in Forensic Toxicology and Chemistry from Oklahoma State University, a Master of Science with a concentration in Forensic Toxicology from the University of Florida, and a Bachelor of Science in Chemistry with a minor in Biology from Drake University. She has been certified as a Diplomate of the American Board of Forensic Toxicology (ABFT) since 2010, reflecting recognized expertise and sustained professional competence in forensic toxicology.

Her national and international notoriety stems from holding numerous leadership positions in major forensic organizations, including President of the Midwestern Association of Forensic Scientists, Secretary of that organization, and multiple committee leadership appointments. She also serves in significant roles with the Society of Forensic Toxicology (SOFT), the American Board of Forensic Toxicology, the ANSI National Accreditation Board (ANAB) as a technical assessor, the National Association of Medical Examiners (NAME), OSAC's Toxicology Subcommittee, and The International Association of Forensic Toxicologists (TIAFT).

Dr. Schreiber's national notoriety is reflected in her repeated invitations to lecture, train, and present on forensic toxicology, opioid deaths, toxicology trends, medicolegal death investigation, expert testimony, and related forensic topics for professional associations, public defenders, prosecutors, medical and university audiences, public health groups, and scientific meetings across multiple states throughout the U.S. Her work has also contributed to public-health and death-investigation initiatives through overdose fatality review teams, national overdose fatality review consulting, Department of Justice (DOJ), National Institute of Justice (NIJ), and the RTI Center for Forensic Sciences technology Working Group participation, and overdose-related strategy teams.

Dr. Schreiber's scholarly work has addressed issues of broad forensic significance, including opioid mortality, drug prevalence in motor vehicle fatalities, designer benzodiazepine screening, lethal drug concentrations, and the use of forensic toxicology to enhance medicolegal death investigations. She has authored and co-authored numerous peer-reviewed publications in respected scientific journals, including the *Journal of Forensic Sciences*, the *Journal of Analytical Toxicology*, *WMJ*, and *The American Journal of Forensic Medicine and Pathology*. Her scholarship and presentations demonstrate sustained subject-matter expertise in postmortem toxicology, opioids, emerging drug trends, toxicology interpretation, laboratory quality practices, and medicolegal applications of forensic science.

She has received professional recognition for her contributions to the field, including the Outstanding Scientist Award from the Midwestern Association of Forensic Scientists in 2021. Taken together, her extensive operational experience, board certification, leadership in professional organizations, publication history, training and teaching record, and service to forensic and public-health initiatives establish Dr. Schreiber as a well-qualified forensic toxicology expert with both national and international prominence.



DR. SARA J. SCHREIBER

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Curriculum Vitae

Education:

Oklahoma State University, Tulsa, OK; 2019-2023; Doctor of Philosophy, Forensic Toxicology and Chemistry

University of Florida, Gainesville, FL; 2015-2017, Master of Science, Veterinary Medical Sciences, Concentration, Forensic Toxicology

Drake University, Des Moines, Iowa 1996-1999, Bachelor of Science, Chemistry, Minor in Biology

Employment History:

- (1) **Job Title:** Forensic Toxicologist and Consultant *December 2025 – Present*

Employer: Riley Welch LaPorte & Associates Forensic Laboratories

Principle Duties: As a Forensic Toxicology Consultant, Dr. Schreiber provides comprehensive technical review and expert analysis in complex criminal and civil matters where alcohol, drugs, and poisons are at issue. Her work bridges the gap between advanced toxicological data and the courtroom by critically evaluating laboratory methods, case files, bench notes, instrumental data, and reports to determine whether testing, interpretation, and quality practices meet accepted forensic and accreditation standards, including ISO/IEC 17025, American Board of Forensic Toxicology (ABFT), and relevant professional guidelines. She offers case-specific opinions on drug and alcohol findings, including pharmacology, impairment, tolerance, postmortem redistribution, drug interactions, cause and manner of death, and the limitations of toxicology in both living-subject and postmortem investigations. Dr. Schreiber also reviews and explains emerging drug trends, designer and novel psychoactive substances, and opioid-related toxicology, drawing on her experience as a diplomate of the American Board of Forensic Toxicology and her leadership roles in organizations such as MAFS, SOFT, NAME, OSAC, and TIAFT. When requested, she provides clear, accessible expert testimony, affidavits, and consultation to attorneys, investigators, and courts, translating complex toxicological and medicolegal issues into opinions that can be understood and evaluated by judges and juries.

- (2) **Job Title:** Assistant Professor – Criminal Justice Program Chair *July 2023 – Present*

Employer: Wisconsin Lutheran College

Principle Duties: Dr. Schreiber is responsible for teaching and developing coursework within an interdisciplinary criminal justice program designed to prepare students for careers in law enforcement, forensic science, legal studies, and related fields. Her work includes instruction in topics such as criminal law, investigative techniques, crime scene processing, legal report writing,

forensic science, and the structure and function of criminal justice systems, while integrating practical knowledge drawn from her extensive background in forensic toxicology and medicolegal investigation. In her role as Program Chair, she provides academic leadership for the criminal justice program, supports curriculum development and program direction, and helps ensure that students receive both skills-based training and a strong foundation in the legal, scientific, and procedural aspects of criminal justice practice. She also contributes to student preparation through mentoring, guest lectures, and instruction that connects classroom learning with real-world forensic, courtroom, and investigative applications.

- (3) **Job Title:** Forensic Technical Director *May 2013 – August 2023*
Employer: Milwaukee County Medical Examiner's Office
Principle Duties: Responsible for supervising the daily operations of the forensic toxicology laboratory, ensuring that analytical work met established scientific, quality assurance, and accreditation standards. She was responsible for oversight of casework from evidence receipt through analytical testing, data interpretation, and report issuance, including peer review of toxicology data, case notes, final conclusions, and testimony. Dr. Schreiber validated and implemented new analytical methods and instrumentation, maintained and troubleshot laboratory equipment, and helped develop and enforce standard operating procedures and quality control practices. In addition, she provided technical guidance and training to laboratory staff, consulted with medical examiners, investigators, and legal professionals on toxicology findings, and contributed to the continuous improvement of laboratory performance in support of medicolegal death investigations.
- (4) **Job Title:** Forensic Toxicologist, Advanced *August 2010 – May 2013*
Employer: Wisconsin State Crime Laboratory – Milwaukee
Principle Duties: Dr. Schreiber was responsible for receiving, processing, and examining biological specimens (including blood and urine) to determine the presence of alcohol, drugs, and other toxic substances. She oversaw the day-to-day operations of the toxicology unit, including coordination of analytical workflows, monitoring case progress, and helping ensure that testing complied with established laboratory protocols and quality assurance requirements. Dr. Schreiber conducted technical reviews of toxicology casework, evaluating data, methods, and interpretations for scientific accuracy and completeness, and she performed audits of system laboratories to assess compliance with internal procedures and accreditation standards.
- (5) **Title:** Forensic Toxicologist, Senior *June 2001 – August 2010*
Employer: Wisconsin State Crime Laboratory – Milwaukee
Principle Duties: Dr. Schreiber was responsible for receiving, examining, and analyzing biological specimens and suspected drug materials for the presence of alcohol, drugs, and other toxic substances. In addition to her forensic laboratory responsibilities, she coordinated, prepared test solutions and drugs for toxicology-related studies. She also documented and evaluated analytical findings, maintained case and laboratory records, and contributed to the accuracy and reliability of scientific results used in investigative and legal proceedings.



(6) **Title:** Forensic Scientist – Drug Identification *April 2000 – June 2001*

Employer: Wisconsin State Crime Laboratory - Milwaukee

Principle Duties: Dr. Schreiber was responsible for receiving, examining, and analyzing physical evidence submitted for controlled substance identification, including powders, tablets, capsules, plant material, and related items. She conducted analytical testing using established drug-analysis methods, interpreted and reported results, and provided accurate and effective expert witness testimony regarding her findings when required in court. In addition, she maintained section instrumentation, equipment, and supplies to support reliable laboratory operations and routinely reviewed current scientific literature to remain informed about emerging drugs, analytical techniques, and best practices in forensic drug analysis.

Certification:

Diplomate – American Board of Forensic Toxicology in Forensic Toxicology *2010 to Present*

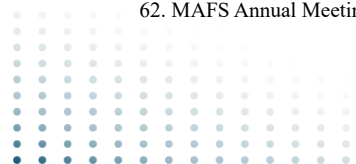
Training / Education:

1. Certification as a Diplomate with the American Board of Forensic Toxicology; October 2010- present
2. Summer internship with Wisconsin State Crime Lab—Milwaukee, WI; 3 months; 1999
3. Spectroscopic Solutions 2000-FTIR Seminar; Nicolet Instrument Corp.; Schaumburg, IL 8 hours; 05/23/00
4. Comprehensive GC Seminar; Restek Corp.; Milwaukee, WI; 8 hours; 10/12/00
5. Basic Infrared Spectral Interpretation; MAFS Meeting; Chicago, IL; 4 hours; 10/16/00
6. Liquid G; MAFS Meeting; Chicago, IL; 4 hours; 10/17/00
7. Chemistry of Derivatization; SOFT; Madison, WI; 8 hours; 07/20/01
8. The 13th Annual Forensic Science Seminar; Milwaukee Medical Examiner; Milwaukee, WI; 16 hours; 09/19/01-09/20/01
9. Alcohol A Forensic Symposium; S.O.F.T. 2001 Annual Meeting; New Orleans, LA; 8 hours; 09/30/01
10. Urine Testing and Human Performance; S.O.F.T. 2001 Annual Meeting; New Orleans, LA; 4 hours; 10/01/01
11. Audit Training; Milwaukee Quality Assurance Manager; Milwaukee, WI; 1.5 hours; 10/10/01
12. Medical Pharmacology; Medical College of Wisconsin; Spring 2002
13. Selective Serotonin Reuptake Inhibitors; MCME; Milwaukee, WI; 2 hours; 03/13/02
14. GC-MS Troubleshooting and Maintenance; Agilent; Alpharetta, GA; 24 hours; 03/19/02-03/21/02
15. Midwestern Association of Forensic Scientists Annual Meeting; Milwaukee, WI



- 16 hours; 09/19/02-09/20/02 16. Methamphetamine and Other Club Drugs; HIDTA, Waukesha, WI; 8 hours; 10/01/02
17. DUID—From Research to the Courts; SOFT; Dearborn, MI; 9 hours; 10/13/02
18. Drug Facilitated Sexual Assault; SOFT; Dearborn, MI; 9 hours; 10/14/02
19. The 14th Annual Forensic Science Seminar; Milwaukee Medical Examiner; Milwaukee, WI; 16 hours; 10/30/02-10/31/02
20. Carbon Monoxide: The Silent Killer; Milwaukee Medical Examiner; Milwaukee, WI; 1 hour 12/04/02
21. Drugs and Driving under the Influence: A Seasonal Update; Milwaukee Medical Examiner; Milwaukee, WI; 1 hour 12/13/02
22. Speed and Sensitivity; Thermo; Northbrook, IL; 5 hours 06/26/03
23. The Effects of Drugs on Human Performance and Behavior; Indiana University, Robert F. Borkenstein center for Studies of Law in Action; 3 days; September, 2004
24. 16th Annual Forensic Science Seminar; 1 day; October 17, 2004
25. NHTSA Drugs That Impair Driving; 1 day; January 9, 2006
26. MATT Annual Meeting, Peoria IL; 2 days; May 4-5, 2006
27. Enterprise Leadership Academy Focus Group; 1 day; May 25, 2006
28. 18th Annual Forensic Science Seminar; 2 days; November 8-9, 2006
29. Understanding ISO and Internal Audit Class; Randy Robbins; 2.5 days September 8-10, 2008
30. MAFS Annual Meeting, Des Moines, IA; 2 days; Oct 2-3, 2008
31. ISO 17025 Accreditation—What You Need to Know; SOFT; Phoenix, AZ; 4 hours; 10/27/08
32. The “Stimulating” Realm of Sympathomimetic Amines and Tryptamines; SOFT; Phoenix, AZ; 4 hours 10/27/08
33. Pain Management and Addiction; SOFT; Phoenix, AZ; 8 hours 10/28/08
34. SOFT Annual Meeting, Phoenix, AZ; 3 days; October 29-31, 2008
35. Seminar on LC/MS/MS, Applied Bio; Crime Laboratory, Milwaukee, WI; 2hours 03/17/09
36. 21st Annual Forensic Science Seminar; 2 days; Milwaukee, WI; November 3-4, 2009
37. Alcohol in the 21st Century: New Standards, New Technology; BAC Tracker; Milwaukee Crime Lab; 8 hours; 02/08/10
38. Basic Pharmacology; MFRC; 36 hours; Wichita, KS 03/09/10-03/12/10
39. MATT Annual Meeting, 2010, Milwaukee, WI; 2 days; April 29-30, 2010

40. Advanced Toxicology; MFRC; 36 hours; Ames, IA 07/20/10-07/23/10
41. Marijuana Pharmacology; SOFT 8 hours; Richmond, VA; 10/18/10
42. Piperazines, Designer Amphetamines and Tryptamines; SOFT; 4 hours; Richmond, VA; 10/19/10
43. SOFT Annual Meeting; Richmond, VA; 3 days; October 20-22, 2010
44. Toxicology Symposium; Ames, IA; 24 hours; MFRC; 01/19-21/2011
45. Measurement Uncertainty, Reynoldsburg, OH; MFRC 1.5 days; May 17-18, 2011
46. Young Forensic Scientists Symposium; SOFT; San Francisco, CA; 09/25/11
47. Scientific Writing for Dummies and Smarties Too; SOFT; San Francisco, CA; 09/26/11
48. Applications of Oral Fluid Drug Testing; SOFT, San Francisco, CA; 09/26/11
49. Solid Phase Practices and Principles in Forensic Toxicology; SOFT; San Francisco, CA; 09/27/11
50. Spice: Detection in Various Biological Matrices; SOFT; San Francisco, CA; 09/27/11
51. SOFT-TIAFT Annual Meeting; San Francisco, CA; September 28-30, 2011, 3 days
52. Ethics in the Forensic Sciences: Value Based Decision Making; Milwaukee Crime Lab; MFRC; 10/18/11
53. Designer Drug Challenges; Barry Logan, NMS; Webinar; October 26, 2011
54. Agilent GC 7890 and 5975 MSD/TAD Agilent GC/MSD chemstation data analysis and advanced trouble shooting techniques; Dr. Charles Maldonado; Kenosha County Health Lab; January 16-18, 2012
55. Installation, Care, & Maintenance of Capillary Gas Chromatography Columns; Abby Folk; Agilent; Webinar; 1 hour; January 25, 2012
56. K2 and Bath Salts; SA Scott Albrecht, DEA, Amy Miles, WSLH; WNOA, 3 hours, Chula Vista Resort Wisconsin Dells, WI; March 7, 2012
57. 18th Annual Traffic and Impaired driving Law Program, UW Law School; Appleton, WI; 12 hours; April 10-11, 2012
58. SOFT Annual Meeting, Boston, MA, July 4-6, 2012
59. Opioids: 21st Century Killers, SOFT, Boston July 2, 2012, 8 hours
60. Contemporary Issues in Drunk Driving & Driving Under the Effects of Drugs, SOFT, Boston July 3, 2012, 8 hours.
61. ASCLD/LAB-International Assessor Training; Madison, WI; July 16-20, 2012
62. MAFS Annual Meeting, Milwaukee, WI; 2 days; September 27-28, 2012

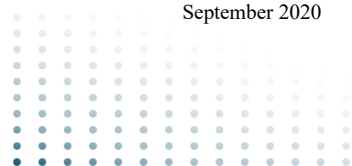


63. Duck and Cover Bert, Field Detection of Weapons of Mass Destruction; MAFS, Dayton, OH; October 2, 2013
64. MAFS Annual Meeting, Dayton, OH; 2 days; October 3-4, 2013
65. SOFT Annual Meeting, Orlando, FL; 3 days; October 30-November 1, 2013
66. SWGTOX Standard Practices for Method Validation in Forensic Toxicology; SOFT, Orlando, FL; October 28, 2013
67. The Sober and Impaired Subject; SOFT, Orlando, FL; October 29, 2013
68. Pharmacology and Toxicology of Synthetic Cannabinoids; SOFT, Orlando, FL, October 29, 2013
69. MATT Annual Meeting, Detroit, MI; 2 days; April 3-4, 2014
70. Heroin Summit; Marquette University, Milwaukee, Wisconsin; June 4, 2014; one day
71. MAFS Annual Meeting, St. Paul, MN; 2 days; October 9-10, 2014
72. Statistics for Forensic Scientists; MAFS, St. Paul, MN; October 6, 2014; 4 hours
73. HPLC Fundamentals; MAFS, St. Paul, MN; October 7, 2014; 8 hours
74. SOFT Annual Meeting, Grand Rapids, MI; 3 days; October 22-24, 2014
75. Implementing the DUID Laboratory Recommendations; SOFT; Grand Rapids, MI; October 20, 2014; 4 hours
76. A Practical Approach to Calculating and Reducing Uncertainty of Measurement in the Laboratory; SOFT; Grand Rapids, MI; October 20, 2014; 4 hours
77. LC for the Forensic Toxicologist: Answers to 101 Questions You Were Afraid to Ask; SOFT; Grand Rapids, MI; October 21, 2014; 4 hours
78. Advanced Applications of Excel; SOFT; Grand Rapids, MI; October 21, 2014; 4 hours
79. 25th Annual John R. Teggatz Forensic Science Seminar; Milwaukee, WI; November 5,6, 2014; 16 hours
80. Post Mortem Toxicology Considerations and Challenges; Milwaukee, WI; April 15 17, 2015; 20 hours
81. SWGTOX Standard Practices for Method Validation in Forensic Toxicology with Advanced Excel Operations; Milwaukee, WI; June 25-26, 2015; 16 hours
82. Supervisor Employment Training, PSB; Milwaukee, July 2015
83. Xevo TQD training, Waters; Beverly, MA; August 18-21, 2015
84. Leadership/Management workshop: Addressing Bias in Forensic Examinations; MAFS; Mackinaw Island, MI; September 21, 2015
85. Leadership/Management workshop: Organizational Behavior & Communication; MAFS; Mackinaw Island, MI; September 21, 2015

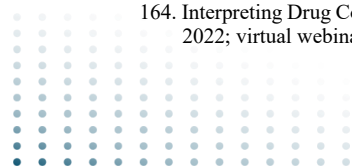
86. Leadership/Management workshop: Seeing is Believing: Leader Emergence and the Importance of Charisma; MAFS; Mackinaw Island, MI; September 22, 2015
87. Leadership/Management workshop: Risk Management & Preventative Action; MAFS; Mackinaw Island, MI; September 22, 2015
88. MAFS Annual Meeting, Mackinaw Island, MI; 2 days; September 24-25, 2015
89. SOFT Annual Meeting, Atlanta, GA; 3 days; October 21-23, 2015
90. Postmortem Toxicology: From Autopsy to Interpretation; SOFT, Atlanta, GA; October 19, 2015
91. Managing a Forensic Toxicology Laboratory: A New Mindset and Approach; SOFT, Atlanta, GA; October 20, 2015
92. 26th Annual John R. Teggatz Forensic Science Seminar; Milwaukee, WI; November 3,4, 2015; 16 hours
93. MATT Annual Meeting, St. Louis, MO; April 14, 15, 2016
94. Statistics, NIJ, Durham, NC May 16-19, 2016
95. Phase II, Leadership Management Series, Webinar; June, 2016
96. The Abuse of E-Cigarettes, Their Impact on Criminal Justice, NIJ, Webinar; Aug 18, 2016
97. MAFS Annual Meeting, Branson, MO; 2 days; October 6-7, 2016
98. Drugs and Driving: Don't Take the High Road & Oral Fluid: An Alt. Specimen for Drugged Driving Detection; MAFS, Branson, MO; October 3, 2016
99. Leadership Symposium; phase III of the Leadership/Management Series, Branson, MO; October 4, 2016
100. SOFT Annual Meeting, Dallas, TX; 2 days; October 19-21, 2016
101. Applied Statistics for the Forensic Scientist – Does the data say what it means and mean what it says?; SOFT, Dallas, TX; October 17th, 2016, ½ day
102. Toxicology of Designer Benzodiazepines and Opioids; SOFT, Dallas, TX; October 17, 2016; ½ day
103. Postmortem Interpretation of Toxic Pharmacodynamic Drug Interactions; SOFT; Dallas, TX, October 18, 2016; ½ day
104. Postmortem Cannabinoids: Issues of Analysis and Interpretation; SOFT; Dallas, TX; October 18, 2016; ½ day
105. 27th Annual John R. Teggatz Forensic Science Seminar; Milwaukee, WI; November 1-2, 2016; 16 hours
106. Matt Annual Meeting; Chicago, IL; April 20, 2017



107. 108. 109. 110. 111. Opioid Summit; WCMEA, Wisconsin Dells, WI; August 9, 2017 ISO 17020 Training, ANAB; Milwaukee, WI; September 18-19, 2017 MAFS Annual Meeting; Cincinnati, OH; September 21-22, 2017 Leadership Symposium; MAFS; Cincinnati, OH; September 20, 2017 When “it” hits the fan, resolve it with effective RCA; SOFT; Boca Raton, FL; January 2018
112. Screening by LC-MS/MS: techniques, trends, and limitations; SOFT; Boca Raton, FL; January 2018
113. 114. 115. 2018 116. 2018 117. 118. SOFT Annual Meeting; SOFT; Boca Raton, FL; January 2018 Advanced Pharmacology; MAFS; Milwaukee, WI; April 2018 28th Annual John R. Teggatz Forensic Science Seminar; MCMEQ; May MAFS Leadership Symposium – Motivation; MAFS; Online webinar; June MAFS Annual Meeting; MAFS; Indianapolis, IN; September 2018 LC-TOF/QTOF for Drug Screening Applications in the Tox Lab: Theory, Development, and Application; MAFS; Indianapolis, IN; September 2018
119. Leadership Symposium; MAFS; Indianapolis, IN; September 2018
120. Turn Right in 1000 Feet”: Mapping Your Causes for Effective Root Cause Analysis; MAFS; Indianapolis, IN; September 2018
121. ISO Confused: how to Navigate ISO standards; SOFT; Minneapolis, MN; October 2018
122. Effective Communication Skills for Successful Forensic Toxicology Practice; SOFT; Minneapolis, MN; October 2018
123. SOFT Annual Meeting; SOFT Minneapolis, MN; October 2018
124. Risky Business: The dance between ISO/IEC 17025:2017’s Risk Based Requirements and Forensic Toxicology Laboratories; SOFT; Minneapolis, MN; October 2018
125. 126. 127. MAFS Annual Meeting; MAFS, St. Louis, MO; October 2019 SOFT Annual Meeting; SOFT, San Antonio, TX; October 2019 The Basics, Mechanisms, and Drugs Involved in Cardiotoxicity; SOFT; San Antonio, TX, October 2019
128. Poisonous Plants: Pharmacology and Phen; SOFT; San Antonio, TX, October 2019
129. ANAB ISO 17025:2017 & ABFT Accreditation: Bridging the Gaps; SOFT; San Antonio, TX; October 2019
130. American Academy of Forensic Science (AAFS) annual meeting, February 2020
131. Applying Communication Science Principles to Forensic Report Writing and Courtroom Testimony, MAFS; May 2020
132. Introduction to Statistics, MAFS; May 2020
133. 134. 2020 135. 136. 137. 138. 139. Statistics for Blood Alcohol and Toxicology; MAFS; May 2020 Forensic Symposium: Current trends in Forensic Toxicology; CFSRE; June 2020 Applied Pharmacokinetics; CFSRE & Uptake; July 2020 Sample Preparation; MAFS; August 2020 Interpretation of Toxicology Results and Testimony; MAFS; August 2020 Leadership Symposium; MAFS; September 2020 Clandestine Fentanyl Synthesis from Production to Analysis; MAFS; September 2020



140. Theory, Benefits, and Pitfalls for newcomers to the world of LC/MS/MS validations; MAFS; September 2020
141. 2020 143. 144. 2020 145. Communicating Forensic Findings; MAFS, September 2020 Society of Forensic Science (SOFT) annual meeting; SOFT; September Stress and Wellness; M.A.F.S for MAFS; MAFS; September 2020 Who are you and where is the candidate I thought I hired; MAFS; October National Association of Medical Examiner's (NAME) Annual meeting, October 2020
146. Disguised by design: Novel Psychoactive Substances in DUID and Death Investigations; NMS; December 2020
147. The International Association of Forensic Toxicology (TIAFT) Educational Seminar Series; TIAFT; December 2020
148. Young Forensic Scientists Forum, AAFS 73rd Annual Scientific Meeting (virtual), AAFS; February 2021
149. The Impact of the COVID-19 Pandemic on Forensic Sciences With a Focus on Opioids and Emerging Drugs; AAFS; February 2021
150. What They Don't Know Can Kill You; AAFS; February 2021
151. A New Realm of Novel Psychoactive Substance (NPS) Opioids and NPS Benzodiazepines – Analytical and Interpretive Considerations; AAFS; February 2021 AAFS 73rd Annual Scientific Meeting, February 2021 (Virtual)
152. 153. 154. 155. 156. Expert Witness Testimony webinar; SOFT; Virtual; June 2021 TIAFT continuing Education webinar; TIAFT; Virtual; July 2021 California Association of Toxicologists; Virtual Event; August 2021 Funding Toxicology: Grants, Partnerships, and Perseverance; SOFT; Nashville, TN; September 2021
157. Drug Interactions—What Every Forensic Toxicologist Should Know; Nashville, TN; September 2021
158. Vaping: It's not just Nicotine – Potential Impacts to Your Forensic Toxicology Casework; Nashville, TN; September 2021
159. SOFT Annual Meeting; Nashville, TN; September 2021
160. Methamphetamine Caused and Related Death: Grand Rounds 2022; Virtual webinar; CFSRE; January 2022
161. The Collision of COVID and the Opioid Epidemic: Grand Rounds 2022; Virtual webinar; CFSRE; January 2022
162. Complications of Naloxone Reversals that Still Lead to Death: Grand Rounds 2022; Virtual webinar; CFSRE; February 2022
163. Sample Collection Practices That Can Lead to Elevated or Lower Blood Drug Concentrations; Grand Rounds 2022; virtual webinar; CFSRE; February 2022
164. Interpreting Drug Concentrations in Chronic Pain Patients, Palliative, or Hospice Care: Grand Rounds 2022; virtual webinar; CFSRE; March 2022



165. Introduction to Drug Caused and Related Death Investigation: Module I – 2022; webinar; CFSRE; March 2022
166. Overdose Deaths Associated with Loperamide Intoxication: Grand Rounds 2022; Virtual Webinar; CFSRE; April 2022
167. Sample Collection Practices That can Lead to Elevated or Lower Blood Drug Concentrations; Grand Rounds 2022; virtual webinar; CFSRE; February 2022
168. IACFT: Three Days, Three Experts, Three Tox Talks – Spring 2022, Day 1 CFSRE; April 2022
169. Impact of Postmortem Redistribution in the Interpretation of Postmortem Toxicology Results; Grand Rounds 2022; Virtual webinar CFSRE; March 2022
170. MAFS Annual Meeting; Des Moines, IA; September 2022
171. Therapeutic Role of Ketamine in the Treatment of Psychiatric Illness; MAFS; Des Moines, IA; September 2022
172. Alcohol Refresher and Pharmacology of Alcohol and Drug Interactions; MAFS; Des Moines, IA; September 2022
173. Cannabinoids: Overview, Safety, and Current Challenges; MAFS; Des Moines, IA; September 2022
174. 175. 176. 177. Introduction to Standards 119, 120, 121; webinar; AAFS; October 2022 NAME Annual Meeting; Dallas, TX; October 2022 SOFT Annual Meeting; Cleveland, OH; October 2022 Method of Standard Addition for Analyte quantification for Application to Postmortem Matrices and Novel Psychoactive Substances; SOFT; November 2022
178. Overview of Psychopharmacology and Forensic Toxicology; SOFT; November 2022
179. 180. 181. 182. 183. 184. Method Optimization; SOFT; November 2022 SOFT Annual Meeting; Denver, CO; October 2023 Teaching Professor Conference, New Orleans, LA; June 2024 Global Leadership Summit, Virtual; August 2024 SOFT Annual Meeting; St. Louis, MO; October 2024 SOFT Annual Meeting; Portland, OR; October 2025

Professional Affiliations:

1. Midwestern Association of Forensic Scientists (MAFS) 2001 – present;
 - Toxicology Section Coordinator 2007-2015
 - MAFS Training and Education committee member 2011-2014
 - MAFS Audit Committee member 2015, 2016
 - MAFS Nominating committee member 2015, 2026
 - Secretary 2017-2020
 - Chair of Bylaws and Administrative Rule Committee, 2017-2020
 - Membership Chair, 2020-2021
 - President-Elect, 2020-2021
 - President, 2021-2022
 - Past President, 2022-2023
 - Chair - Nominating committee, 2022-2023
 - Ethics Committee, 2023-2025
 - Awards Committee, 2025-present

2. Midwestern Association of Toxicology and Therapeutic Drug Monitoring (MATT) Lifetime member
3. Society of Forensic Toxicology (SOFT) 2010 – present;
Social Committee, 2018 annual meeting
Awards Committee, 2021- 2025
Scientific Program Co-Chair, 2023 annual meeting
Continuing Education Committee, 2026-present
SOFTopics Moderator, 2023-present
4. Technical Assessor for American Society of Crime Laboratory Directors-Laboratory Accreditation Board (ASCLD-LAB) 2013-2017
5. Technical Assessor for ANAB (formerly ASCLD-LAB) 2018-present.
6. Wisconsin Coroners and Medical Examiners Association (WCMEA), July 2014-present
7. Attendee to the DOJ-NIJ-RTI Technology Working Group meeting; 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
8. Attendee to the DOJ-NIJ-RTI Technology Working Group meeting – MDI, 2023
9. Assessor for American Board of Forensic Toxicology (ABFT) 2017-present
10. Associate Member of The National Association of Medical Examiners (NAME) 2017 present;
Toxicology Committee member 2022, 2023, 2024, 2025
Inspection and Accreditation Committee, 2025
11. Midwest Toxicology Collaborative, Steering Committee Member 2016-present
12. Organization of Scientific Area Committee (OSAC), Affiliate member, 2019-2020
Toxicology Subcommittee member, 2020-present
Secretary, 2024-present
13. Overdose Fatality Review Team – Milwaukee, WI., 2016-2023
14. Overdose Fatality Review Team – Northshore, WI., 2019-2023
15. Overdose Fatality Review Team – West Allis, WI., 2020-present
16. Overdose Fatality Review Team – Greenfield, WI., 2020-2023
17. Overdose Fatality Review Team – Southshore, WI., 2021-2023
18. National Overdose Fatality Review – Consultant, 2016-2023
19. Overdose Public Health and Safety Team (OD-PHAST), 2021-2023
20. Overdose Public Health and Safety Team (OD-PHAST) Data Strategy Team, 2021-2023
21. The Internal Association of Forensic Toxicologists (TIAFT); Member, 2021 – present



22. Community Health Assessment Steering Committee; West Allis/West Milwaukee Health Department, 2022-present

23. ASB Working Group, 2022-present

Awards:

Outstanding Scientist – Midwestern Association of Forensic Scientists, 2021

Training and Presentations Given:

1. Toxicology Evidence Collection and Handling - Basic Evidence Technician School, Milwaukee County Sheriff's Academy, Franklin, WI May 4, 2009
2. Toxicology Evidence Collection and Handling—new MPD Evidence Techs, Milwaukee Crime Laboratory, Milwaukee, WI June 3, 2009
3. Toxicology Evidence Collection and Handling - Basic Evidence Technician School, Milwaukee County Sheriff's Academy, Franklin, WI May 3, 2010
4. Toxicology and Controlled Substance Evidence Collection and Handling - Basic Evidence Technician School, Milwaukee County Sheriff's Academy, Franklin, WI September 27, 2010
5. Toxicology and Controlled Substance Evidence Collection and Handling - Basic Evidence Technician School, Fort McCoy, WI September 27, 2010
6. Toxicology Evidence Collection and Handling - Basic Evidence Technician School, Waukesha, WI June 11, 2012
7. Course Instructor, Pharmacology of the Synthetic Cannabinoids, MAFS; Milwaukee; September 28, 2012
8. Course Instructor, Pharmacology of the Synthetic Cannabinoids, WAI; Wausau, WI March 14, 2013
9. MXE-MKE, MAFS, Dayton, OH; October 3, 2013
10. Forensic Toxicology Drug Analysis, Expert Testimony in OWI Trials for Prosecutors; October 10, 2013.
11. Guest Speaker, Drugs Used and Abused, UWM. Prof. Nancy Smuckler, April 15, 2014
12. Guest Speaker, Forensic Toxicology; Wisconsin State Public Defenders Conference, November 20, 2014.
13. A Fatal Datura Intoxication; Mackinaw Island, MI; MAFS; September 24, 2015.
14. Guest Speaker, The Mortality of Opiate, Heroin and Benzodiazepines in Milwaukee County and Wisconsin: A Forensic View from the Medical Examiner's Office; Wisconsin Psychiatric Association; October 16, 2015

15. Guest Speaker, 26th Annual John R. Teggatz Forensic Science Seminar; Milwaukee, WI; November 3, 2015; Toxicology Update
16. Guest Speaker, Forensic Science; Concordia University, May 2016
17. Heroin Cradle to Grave; Madison, WI; Toxicology Symposium; July 15, 2016
18. Vicarious Stress, MAFS; Branson, MO; October 4, 2016
19. Heroin Cradle to Grave; MAFS, Branson, MO; October 6, 2016
20. Guest Speaker, 27th Annual John R. Teggatz Forensic Science Seminar; Milwaukee, WI; November 1, 2016; Toxicology Update
21. Guest Speaker, Forensic Science; Pharmacy School, Concordia University, February 24, 2017
22. Atypical Opioid Deaths, MATT, Chicago, IL; April 20, 2017
23. Forensic Toxicology – Opioids; WCMEA, Wisconsin Dells, WI; August 9, 2017
24. Forensic Toxicology in Death investigations, Oneida Tribal Opioid Summit; Greenfield, WI August 19, 2017 morning and evening, August 22, 2017 evening
25. Opioids, West Allis/West Milwaukee Parents Meeting; West Allis, WI; September 18, 2017
26. Atypical Opioid Deaths, MAFS, Cincinnati, OH; September 21, 2017
27. Guest Speaker, Deadmen Do Tell Tales, UWM; November 2017
28. Forensic Toxicology Trends; Rotary of Milwaukee; Milwaukee, WI; March 2017
29. Annual John Teggatz Forensic Science Seminar-Emerging Toxicology Trends: Gabapentin & Pregabalin; MCMEQ; Milwaukee, WI; May 2018
30. Forensic Toxicology; Concordia University; Mequon, WI; May 2018
31. The Opioid Crisis comes to Milwaukee; Wisconsin Public Defender; Milwaukee, WI; November 2018
32. Deadmen Do Tell Tales: Forensic Toxicology; UWM; Milwaukee, WI; October 2018
33. Forensic Toxicology Trends in Milwaukee County; DART-MATC; Oak Creek, WI; December 2018
34. Opioid Toxicology; DART-MATC; Oak Creek, WI; January 2019
35. Forensic Toxicology; Dead Men Do Tell Tales; UWM; Milwaukee, WI; October 2019



36. Annual John Teggatz Forensic Science Seminar Updates in Toxicology; MCMEQ; Milwaukee, WI; November 2019
37. Public Defender Seminar on Forensic Toxicology; WI Public Defender; Milwaukee; March 2020
38. Opioid Toxicology; DART-MATC; Oak Creek, WI; September 2020
39. Forensic Toxicology; Dead Men Do Tell Tales; UW Milwaukee; Milwaukee, WI; December 2020
40. Forensic Toxicology; Medicolegal Death Investigation; UW Milwaukee, Milwaukee, WI; December 2021
41. Forensic Toxicology; Dead Men Do Tell Tales; UW Milwaukee; Milwaukee, WI; March 2022
42. Forensic Toxicology; Concordia University; Mequon, WI; April 2022
43. Fentanyl Trends; Wisconsin Virtual Overdose Fatality Review Summit; June 2022
44. Trends in Forensic Toxicology; North Shore OFR Training, Brown Deer, WI August 2022
45. Forensic Toxicology Part 1 & 2; UW Milwaukee, Milwaukee, WI October 2022
46. Forensic Toxicology; Dead Men Do Tell Tales; UW Milwaukee; Milwaukee, WI; November 2022
47. Forensic Toxicology, WATCP, Middleton, WI October 2023
48. Forensic Toxicology; Dead Men Do Tell Tales; UW Milwaukee; Milwaukee, WI; November 2023
49. Using Toxicology to Enhance Medicolegal Death Investigation; MTC; Milwaukee, WI January 2024
50. Drug Checking pilot – NIST, Gaithersburg, VA, February 2024
51. Forensic Toxicology, WATCP, Middleton, WI, April 2024
52. Drug checking Pilot, OST Summit, Wisconsin Dells, WI; May 2024
53. Medical Examiner Overview, Forensic Toxicology; Center for Enrichment, Clement Manor, Greenfield, WI, September 2024 – 2 lectures
54. Guest Lecture- Toxicology and the Marsh Test, UW Platteville; Virtual; September 2024
55. Forensic Toxicology; Dead Men Do Tell Tales; UW Milwaukee; Milwaukee, WI; October 2024
56. Forensic Toxicology, WATCP, Wisconsin Dells, WI, October 2024

57. Forensic Toxicology, WATCP, LaCrosse, WI April 2024
58. Forensic Science, Center for Enrichment, Clement Manor, Greenfield, WI, January, March 2025 – 2 lectures
59. Forensic Toxicology, Substance Use Disorder Counseling Conference, Appleton, WI September 2025
60. Guest Lecture, UWM, October 2025

Publications:

Shift in Drug vs Alcohol Prevalence in Milwaukee County Motor Vehicle Decedents, 2010-2016., Kiran A Faryar, Sara A Kohlbeck, Sara J. Schreiber, WMJ 2018 03;117(1):24-28

Opioid Deaths in Milwaukee County, Wisconsin 2013-2017: The Primacy of Heroin and Fentanyl, Brian L. Peterson, M.D.; Sara Schreiber, M.S.; Nicole Fumo, M.P.H.; and E. Brooke Lerner, Ph.D. J Forensic Sci January 2019, Article DOI: 10.1111/1556 4029.13808

Urine Drug Screening in the Era of Designer Benzodiazepines: Comparison of Three Immunoassay Platforms, LC-QTOF-MS and LC-MS/MS Andrii Puzyrenko, Dan Wang, Randy Schneider, Greg Wallace, Sara Schreiber, Kristen Brandt, Ian L Gunsolus Journal of Analytical Toxicology, bkab108, <https://doi.org/10.1093/jat/bkab108>

Case Report of Lethal Concentrations of the Over-the-Counter Sleep Aids Diphenhydramine and Melatonin Zimmerman, Joel T. BS*; Schreiber, Sara J. MS, D-ABFT-FT†; Huddle, Lauren N. MD‡ The American Journal of Forensic Medicine and Pathology ():10.1097/PAF.0000000000000833, May 16, 2023. | DOI: 10.1097/PAF.0000000000000833

Using Forensic Toxicology to Enhance Medicolegal Death Investigations Schreiber, Sara J. PhD; Peterson, Brian L. MD The American Journal of Forensic Medicine and Pathology 44(3):p 173-175, September 2023. | DOI: 10.1097/PAF.0000000000000843

Courtroom Testimony:

I have testified many times in County, State, and Federal Courts. I have never been excluded as an expert or from testifying as an expert witness in any County, State, Federal, Arbitration or Administrative proceeding.

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