



Ewens Toxicology Consulting, LLC

5000 Centre Green Way
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Cary, NC 27513
(919) 609-0773
Andy.Ewens@Toxicologist.Expert
www.Toxicologist.Expert

Andrew D. Ewens, PhD, DABT
Owner/Toxicologist

RELEVANT QUALIFICATIONS

- Doctorate in pharmacology and board certification in toxicology with 26 years of experience in the biomedical sciences and a minimum of 20 hours of continuing education in toxicology a year
- Area of expertise – antemortem and postmortem toxicological interpretation
- 10 years - independent toxicology consulting (2011)
- 9 years working on legal cases (2012)
- 6 years working testifying as an expert witness (2015)
- Types of legal cases include: DUI, parole/probation violation, assault/murder, poisoning, cause of death, personal injury, employment, child custody, postconviction and medical malpractice
- 4 years (2017) – conducting independent research of human and non-human experiments in alcohol breath detection as well as human experiments to test several aspects of performing field sobriety tests and drug recognition and classification tests
- Taught forensic toxicology to attorneys (1 class) and to high/middle school students (4 classes)
- Order additional drug tests from a contracted toxicology lab
- Qualified to testify in North Carolina, Maryland, Michigan and Texas – antemortem toxicological interpretation; in North Carolina – postmortem toxicological interpretation
- Testified 5 times in court, deposed 2 times, and wrote 30 letters of opinion or affidavits, retained for 67 case out of a total of 79 legal cases I consulted on
- 16 years - toxicologist on contracts with 5 federal government agencies
- 10 years - academic research (pharmacology, diagnostics, molecular biology)
- Trained as a HazMat Technician, including use of field chemical detection instruments
- Assist police officers during DUI checkpoints, help test bomb detecting dogs for the TSA, and patrol parks
- First responder, deployed twice on missing person searches and an influenza vaccination drive

EDUCATION

2021-2021	Completion – DOT Breath Alcohol Technician – Self-study Course , AlcoPro, Knoxville TN
2021-2021	Completion – Comprehensive Medical Review Officer Course , American Association of Medical Review Officers, RTP, NC
2018-2018	Completion – Citizens Police Academy , Cary Police Department, Cary, NC
2013-2013	Continuing education - Forensic Toxicology , RTI International, RTP, NC.
2011-Present	Self-study - Forensic Toxicology , Ewens Toxicology Consulting, Cary, NC.
2009	Completion – Mid-America Toxicology Course , Kansas City, MO.



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- 1997-2004 Ph.D. - **Molecular Pharmacology**, State University of New York at Buffalo, Buffalo NY.
1992-1997 B.S. - **Biochemistry**, Virginia Tech, Blacksburg, VA.

WORK EXPERIENCE

- 2020-Present **Toxicologist**, Integrated Laboratory Systems, RTP, NC. Review, classify, and extract data from primary papers of endocrine disruptor studies for a contract with the Environmental Protection Agency.
- 2020-Present **Council Member**, Gerson Lehrman Group, Inc. (GLG), New York, NY. Provide consulting and expert witness services for GLG clients.
- 2018-Present **Member**, Citizens Assisting Police, Cary Police Department, Cary, NC. Support the Cary police department at DUI checkpoints. This includes helping to set up the evidentiary breathalyzers by providing blank breath specimens. I parked cars of DUI suspects and perform whatever task I am asked to do, which has included telling the police if I noticed smelling marijuana in a suspect's car that I parked. I must be careful not to disrupt any evidence that may be present inside the suspect's car. Helped the U.S. Transportation Security Administration (TSA) by posing as a decoy, carrying a concealed live explosive, to see if the dogs could detect me in an airport. Patrolled parks for evidence of vandalism, robbery, and to show a presence to residents.
- 2017-2020 **Associate Editor**, MedCrave Online Journal of Toxicology, Edmond, OK. Provide peer-review of submitted articles for publication. This includes evaluations of experimental design, the scientific data, study rationale, completeness of the article, proper citations, and checks for plagiarism.
- 2017-Present **Primary investigator**, Ewens Toxicology Consulting, LLC, Cary, NC. Plan, fund, and conduct original research on alcohol detection and drug-induced impairment. For alcohol detection, I am working on developing a raman spectroscopy-based breath alcohol evidentiary analyzer and I am investigating factors involved in false positive alcohol breath tests. I am also conducting test on the reliability of the Intoximeter EC/IR II evidentiary breathalyzer, used by police agencies in North Carolina. For drug-induced impairment, I am investigating the SFST and DRE evaluation techniques to determine their strengths, weaknesses and to develop improvements to the techniques to increase accuracy. Studying the effects of consuming CBD oil on urine drug testing and the mechanism of false positives.
- 2013-2013 **Task Force Member**, Wake County Public School System, Cary, NC. Recommended improvements in school and police responses to active shooting incidences in public schools. The task force was chaired by Wake County Sheriff Donnie Harris and the task force voted to include my recommendation in the final proposal sent to the school board.



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- 2012-Present **Institute Animal Care and Use Committee Member**, Integrated Laboratory Systems, RTP, NC. Review and vote on the acceptance of research animal use protocols and inspect animal facilities.
- 2011-Present **Owner/Toxicologist/Expert witness**, Ewens Toxicology Consulting, LLC, Cary, NC. Provide consulting and expert witness services for clients with legal and non-legal toxicological needs. Most of my initial clients were not involved in legal issues, but in 2015 I switched my focus to clients involved in legal issues. My clients include people who had been accused of drug use or drug-induced impairment. Cases have included DUI arrests, causes of death determination, probation violations due to alleged drug use, cause of vehicle accident and injury, employment drug testing, other drug testing situations. Provide pre-trial consultation, letters of opinion, and expert witness testimony for both clients who want me to verify or to disprove drug use or drug-induced impairment. Can also order additional drug testing if needed and incorporate that into my expert opinions.
- 2010-Present **Toxicologist**, Integrated Laboratory Systems, Research Triangle Park, NC. Evaluate laboratory animal carcinogenicity studies and write the carcinogenicity section of monographs of the 13th and 14th Report on Carcinogens for a contract with the National Toxicology Program/National Institute of Environmental Health Sciences.
- 2010-2010 **Training Material Reviewer**, Dartmouth Medical School, Lebanon, NH. Reviewed the instructor's features of the expanded edition of the Virtual Terrorism Response Academy training program for firefighters.
- 2009-2009 **Toxicologist**, SRA International, Durham, NC. Identified drugs with pharmacokinetic behaviors similar to a Physiologically Based Pharmacokinetic computer simulation model.
- 2008-2008 **Data Submitter**, World Health Organization – Expert Meeting to Review Toxicological Aspects of Melamine and Cyanuric Acid, Switzerland. Updated the Food and Drug Administration's risk assessment of melamine and cyanuric acid in farm animal feed as a risk to humans consuming those animals.
- 2008-2013 **Community Emergency Response Team member/trainer**, Cary Community Emergency Response Team, Cary, NC. Responded to emergencies as activated by the Cary Fire Department, taught the terrorism response section of the basic training course, and taught continuing education in hazardous substance response. Developed a novel technique for removing a contaminated pull-over shirt while minimizing exposure to the contaminant. Deployed on two missing person searches and to help the Wake County Department of Health with an influenza vaccination drive.
- 2006-2008 **Toxicologist/Task Manager**, SRA International, Durham, NC. Managed the collection and evaluation of toxicological data needed to train a quantitative structure activity relationship computer program that predicts toxicity. This work was for a contract with the Environmental Protection Agency's National Homeland Security Research Center.
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- 2006-2008 **Toxicologist/Task Manager**, SRA International, Durham, NC. Managed the toxicological support staff for the physicians working at the top tier of the call center (1-800-CDC-INFO) for a contract with the Centers for Disease Control and Prevention.
- 2005-2010 **Toxicologist**, SRA International, Durham, NC. Evaluated research animal carcinogenicity studies and human epidemiology studies of cancer and wrote the updated carcinogenicity sections of the profiles for the 12th Report on Carcinogens for a contract with the National Toxicology Program/ National Institute of Environmental Health Sciences.
- 2005-2005 **Toxicologist**, Technical Resources International, Bethesda, MD. Recommended chemicals for carcinogenicity testing by the National Toxicology Program that are used in semiconductor manufacturing and that have a high potential for causing cancer.
- 2005-2005 **Toxicologist**, Technical Resources International, Bethesda, MD. Provided quality assurance of updated drug records to the Hazardous Substance Data Bank for a contract with the National Library of Medicine.
- 2004-2004 **Researcher**, Pharmacology, Roswell Park Cancer Institute, Buffalo, NY. Investigated the specificity of the anti-cancer immune memory induced by the treatment of breast cancer in mice with a combination of doxorubicin and interleukin-2.

RESEARCH EXPERIENCE

- 2016-Present **Impairment detection studies**, Ewens Toxicology Consulting, LLC, Cary, NC. Conducting human and non-human studies on alcohol breath detection, including the development of a raman spectroscopy-based evidentiary breathalyzer. Planning a series of human studies and conducting pilot studies to look at several aspects of impairment detection methods. Impairment detection methods will include standard field sobriety tests, drug evaluation and classification tests, and additional tests that are more quantitative.
- 1998-2004 **Thesis Project**, Pharmacology Department, Roswell Park Cancer Institute, Buffalo, NY. Developed a curative treatment for breast cancer in mice that imparted immune memory toward the cancer. The treatment was a combination of doxorubicin and interleukin-2.
- 1997-1998 **Laboratory Rotations**, Pharmacology Department, Roswell Park Cancer Institute, Buffalo, NY. Worked to clone the gene for the NAD(P)H:quinone oxidoreductase enzyme. In another rotation used structure activity relationship analysis of taxane based Pgp multidrug efflux pump inhibitors to determine chemical attributes that increase potency.
- 1996-1996 **Summer Internship**, Pharmacology Department, Roswell Park Cancer Institute, Buffalo, NY. Developed a method to measure the activation state of the Ran protein using high performance liquid chromatography.
- 1995-1995 **Summer Internship**, Cancer Genetics Department/Amniotic Fluid Department, Genetics and IVF Institute, Fairfax, VA. Mentored a student and developed a research
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- 1995-1997 project to develop a novel technique to detect chromosomal aberrations. Karyotyped patient's amniotic fluid and bone marrow samples.
- 1995-1997 **Undergraduate Research Project**, Biochemistry Department, Virginia Tech, Blacksburg, VA. Characterized the tetramerization site of the GlpR protein in E. Coli bacteria.
- 1994-1994 **Summer Internship**, Cancer Genetics Department/Amniotic Fluid Department, Genetics and IVF Institute, Fairfax, VA. Conducted the studies for a graduate student's master's thesis project, which tested the ability of sex mismatching between donor and recipient to predict the prognosis of bone marrow transplantations. I karyotyped patient's amniotic fluid and bone marrow samples.

MEMBERSHIP

- **Diplomate**, American Board of Toxicology, Raleigh, NC.
- **Full Member**, Society of Toxicology, Reston, VA.
- **Associate Member**, Society of Forensic Toxicology, Mesa, AZ.
- **Associate Member**, National Association of Criminal Defense Lawyers, Washington D.C.
- **Former Associate Member/Former DRE Section member**, International Association of Chiefs of Police, Alexandria, VA
- **Member**, American Association of Medical Review Officers, Research Triangle Park, NC

WRITTEN COMMUNICATIONS

Publicly Released Government Documents:

1. Report on Carcinogens Nomination Document for PFAS, Research Triangle Park, NC, National Toxicology Program, (draft in progress).
 2. Report on Carcinogens Nomination Document for wood smoke, Research Triangle Park, NC, National Toxicology Program, (draft in progress).
 3. Report on Carcinogens Fifteenth edition, Research Triangle Park, NC, National Toxicology Program, (draft in progress).
 4. Report on Carcinogens Nomination Document for Cell phone radiation, Research Triangle Park, NC, National Toxicology Program, (draft on hold).
 5. Report on Carcinogens Nomination Document for PAHs, Research Triangle Park, NC, National Toxicology Program, (draft in progress).
 6. Report on Carcinogens Nomination Document for NitroPAHs, Research Triangle Park, NC, National Toxicology Program, (draft in progress).
 7. NTP, Report on Carcinogens Monograph for Shiftwork involving light at night, Research Triangle Park, NC, National Toxicology Program, 2019.
<https://ntp.niehs.nih.gov/pubhealth/roc/listings/shiftwork/index.html>
 8. Report on Carcinogens Monograph for Helicobacter pylori, Research Triangle Park, NC, National Toxicology Program, 2018.
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9. <https://ntp.niehs.nih.gov/pubhealth/roc/listings/hpylori/index.html>
Report on Carcinogens Monograph for Antimony trioxide, Research Triangle Park, NC, National Toxicology Program, 2018.
10. <https://ntp.niehs.nih.gov/pubhealth/roc/candidates/antimonyt.html>
Report on Carcinogens Monograph for Haloacetic acids, Research Triangle Park, NC, National Toxicology Program, 2018.
11. https://ntp.niehs.nih.gov/ntp/about_ntp/monopeerrvw/2017/july/haafinalmonograph_508.pdf
Report on Carcinogens Fourteenth edition, Research Triangle Park, NC, National Toxicology Program, 2016.
12. <https://ntp.niehs.nih.gov/pubhealth/roc/index-1.html#toc1>
NTP, Report on Carcinogens Monograph on Epstein-Barr virus, Research Triangle Park, NC, National Toxicology Program, 2016.
13. https://ntp.niehs.nih.gov/ntp/roc/monographs/ebv_final201608_508.pdf
NTP, Report on Carcinogens Monograph on Kaposi sarcoma-associated herpesvirus, Research Triangle Park, NC, National Toxicology Program, 2016.
14. https://ntp.niehs.nih.gov/ntp/roc/monographs/kshv_final201608_508.pdf
NTP, Report on Carcinogens Monograph on Human immunodeficiency virus type 1 (HIV), Research Triangle Park, NC, National Toxicology Program, 2016.
15. https://ntp.niehs.nih.gov/ntp/roc/monographs/hiv_final201608_508.pdf
NTP, Report on Carcinogens Monograph on Human T-cell lymphotropic virus type 1 (HTLV-1), Research Triangle Park, NC, National Toxicology Program, 2016.
16. https://ntp.niehs.nih.gov/ntp/roc/monographs/htlv_final201608_508.pdf
NTP, Report on Carcinogens Monograph on Merkel-cell polyomavirus (MCV), Research Triangle Park, NC, National Toxicology Program, 2016.
17. https://ntp.niehs.nih.gov/ntp/roc/monographs/mcv_final201608_508.pdf
Report on Carcinogens Monograph for Cobalt and cobalt compounds, Research Triangle Park, NC, National Toxicology Program, 2016.
18. http://ntp.niehs.nih.gov/ntp/about_ntp/monopeerrvw/2015/july/cobalt_finalmonograph_508.pdf
Report on Carcinogens Monograph for Trichloroethylene, Research Triangle Park, NC, National Toxicology Program, 2015.
19. http://ntp.niehs.nih.gov/ntp/roc/monographs/finaltce_508.pdf
Report on Carcinogens Thirteenth edition, Research Triangle Park, NC, National Toxicology Program, 2014.
20. <http://ntp.niehs.nih.gov/pubhealth/roc/roc13/index.html>
Report on Carcinogens Monograph for Pentachlorophenol and synthesis by-products, Research Triangle Park, NC, National Toxicology Program, 2014.
21. http://ntp.niehs.nih.gov/ntp/roc/thirteenth/monographs_final/pentachlorophenol_508.pdf
Report on Carcinogens Monograph for o-Toluidine, Research Triangle Park, NC, National Toxicology Program, 2014.



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22. http://ntp.niehs.nih.gov/ntp/roc/thirteenth/monographs_final/otoluidine_508.pdf
Report on Carcinogens Monograph for Cumene, Research Triangle Park, NC, National Toxicology Program, 2013.
 23. http://ntp.niehs.nih.gov/NTP/roc/thirteenth/Monographs_Final/Cumene_508.pdf
Report on Carcinogens Monograph for 1-Bromopropane, Research Triangle Park, NC, National Toxicology Program, 2013.
 24. http://ntp.niehs.nih.gov/NTP/roc/thirteenth/Monographs_Final/1Bromopropane_508.pdf
Report on Carcinogens, Twelfth edition. Research Triangle Park, NC, National Toxicology Program, 2011.
 25. <http://ntp.niehs.nih.gov/ntp/roc/twelfth/roc12.pdf>
Report on Carcinogens Background Document for Formaldehyde, Research Triangle Park, NC, National Toxicology Program, 2010.
 26. http://ntp.niehs.nih.gov/ntp/roc/twelfth/2009/November/Formaldehyde_BD_Final_508.pdf
Report on Carcinogens Background Document for Glass Wool Fibers, Research Triangle Park, NC, National Toxicology Program, 2009.
 27. http://ntp.niehs.nih.gov/NTP/roc/twelfth/2010/FinalBDs/GlassWoolBD20100408_508.pdf
Report on Carcinogens Draft Background Document for Cobalt–Tungsten Carbide Powders and Hard Metals, Research Triangle Park, NC, National Toxicology Program, 2009.
 28. http://ntp.niehs.nih.gov/NTP/roc/twelfth/2010/FinalBDs/HardMetalsBD20100408_508.pdf
Report on Carcinogens Background Document for Styrene, Research Triangle Park, NC, National Toxicology Program, 2008.

Research Articles:

1. Ewens A., Treatment of athlete's foot with povidone iodine, (Draft in progress)
2. Ewens A., Case report of THC positive urine test from CBD exposure, (Draft in progress)
3. Ewens A., Strengths and weaknesses of the Drug Recognition Expert evaluation, (Draft in progress)
4. Ewens A., Mouth alcohol detection from tobacco products and foods, (Draft in progress).
5. Boyd W., Lunn R. M., Blask D. E., Coogan A. N., Figueiro M. G., Gorman M. R., Hall J. E., Hansen J., Nelson R. J., Panda S., Smolensky M. H., Stevens R. G., Turek F. W., Vermeulen R., Carreon T., Caruso C. C., Lawson C. C., Thayer K. A., Twery M. J., Ewens A. D., Garner S. C., Schwingl P. J.. Health Consequences of Electric Lighting Practices in the Modern World: A Report on the National Toxicology Program's Workshop on Shift Work at Night, Artificial Light at Night, and Circadian Disruption, *Sci Total Environ.* 607-608:1073-1084, 2017.
6. Ewens A., Mihich E., Kanter, P., Alderfer J., Wollman R. and Ehrke J., Efficacy, toxicity and mechanism of interleukin-2 plus doxorubicin chemoimmunotherapy against breast cancer in mice. *Cancer Res.*, 66:5419-26, 2006.
<http://cancerres.aacrjournals.org/content/66/10/5419.full.pdf+html>



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7. Ewens A., Mihich E. & Ehrke J., Distant Metastasis from Subcutaneously Grown E0771 Medullary Breast Adenocarcinoma. *Anticancer Research* 25:3905-3916, 2005.
<http://ar.iiarjournals.org/content/25/6B/3905.full.pdf+html>
8. Ewens A., Mihich E. & Ehrke J., Fluorouracil plus leucovorin induced submandibular salivary gland enlargement in rats. *Toxicologic Pathology*, 33:507-515, 2005.
<http://tpx.sagepub.com/content/33/4/507.full.pdf+html>
9. Ewens A., Custodio C. and Stanley W., Superimposition of routine G-banded and FISH chromosome images. *Cell Vision*, 4(1):81-83, 1997.

Abstracts:

1. Wang A., Arroyave W., Ewens A., Schwingl P., Atwood S., Garner S., Lunn R. M., Scoping review of polycyclic aromatic hydrocarbons (PAH) human and experimental animal cancer studies, 32nd annual conference of the International Society of Environmental Epidemiology (ISEEE), 2020.
2. Wang A., Trgovcich J., Witt K., Ewens A., Geter J., Garner S., Jahnke G., Smith-Roe S., Lunn R., Mechanistic evidence integration case study: using ten key characteristics of carcinogens and a systematic review approach for antimony trioxide (Sb₂O₃) cancer hazard identification, Annual meeting poster session, Society of Toxicology, Baltimore, MD, 2019.
3. Ewens A., Mihich E., Alderfer J., Wollman R. and Ehrke J., Mechanism of doxorubicin plus interleukin-2 chemoimmunotherapy in a syngeneic mouse breast tumor model, Roswell Park Graduate Student Poster Competition, Buffalo, NY, 2003.
4. Ewens A., Mihich E., Alderfer J., Wollman R. and Ehrke J., Mechanism of doxorubicin plus interleukin-2 chemoimmunotherapy in a syngeneic mouse breast tumor model, *Proceedings of the American Society of Clinical Oncology*, 22:181, 2003.
5. Luo, L., Ewens, A., Ehrke, M.J. and Mihich, E., Immunomodulation –dependent therapeutic effects of doxorubicin plus interleukin 2, *Proceedings of the American Association for Cancer Research*, 43: 972, 2003.
6. Ewens A., Eppolito C., Cao S. and Ehrke J., Immune involvement in the enhancement of 5-fluorouracil plus leucovorin induced anti-cancer response by the addition of IL-15, *Proceedings of the American Association for Cancer Research*, 42:4693, 2001.
7. Ewens A., Eppolito C., Mihich E. and Ehrke J., Roles of interleukin-15, fluorouracil and leucovorin in combination treatment of rat Ward colon cancer, American Association for Cancer Research's Pathobiology of Cancer Workshop poster session, Keystone, CO, 2000.
8. Ehrke J., Eppolito C., Ewens A., Cao S. and Mihich E., Investigation of the role of the host defenses in the efficacy of the FURA + LV + IL-15 combination treatment of rats bearing the Ward colon tumor. *Regional Cancer Center Consortium for Biological Therapy of Cancer, (Symposium Proceedings)* 2:25-27, 1999.



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Videos:

1. North Carolina Office of Indigent Defense Services, Forensic Toxicology for Child Custody, DSS, and Probation Violation cases Day 1.
<https://youtu.be/QDqF2Ho-INc>
2. North Carolina Office of Indigent Defense Services, Forensic Toxicology for Child Custody, DSS, and Probation Violation cases Day 2.
<https://youtu.be/VkbCZDzQ0Jk>
3. Ewens Toxicology Consulting, LLC, Mock Voir Dire.
<https://www.toxicologist.expert/videos?wix-vod-comp-id=comp-kf0f19hs>
4. Ewens Toxicology Consulting, LLC, Forensic Toxicology.
http://prezi.com/j65-wydfhzxk/?utm_campaign=share&utm_medium=copy
5. DrEwensDABT. Surviving School Shootings Evacuation.
<https://youtu.be/jS4PNcv5JtI?list=PLjnLInf7wzxfkK7skYLtPyrhyBGKNyT7W>
6. DrEwensDABT. Decon – Removal of a Contaminated Pull-Over Shirt.
<https://youtu.be/2QYcYaEWWqI>
7. Doc Andy. Removal of powder from surfaces.
<https://youtu.be/sRwhSH-4Nnk>

ORAL COMMUNICATIONS

Speaker presentation:

1. **Carcinogenic studies of haloacetic acids**, National Toxicology Program Informational Workshop on haloacetic acids, Research Triangle Park, NC, 2016.
2. **Immunotoxicity of trichloroethylene**, National Toxicology Program Peer Review meeting of Draft RoC Monograph on Trichloroethylene, Research Triangle Park, NC, 2014.
3. **Human quantitative risk assessment of synergistic melamine and cyanuric acid consumption from animals that ate adulterated pet food from China**, Epidemiology Branch, North Carolina Department of Health and Human Services, Raleigh, NC, 2008.
4. **Curative treatment for breast cancer in mice**, Monthly seminar series, SRA International, Durham, NC, 2008.
5. **Immunotherapy for cancer in rodents**, Annual student seminar series, Pharmacology Department, RPCI, Buffalo, NY, 1997-2004.
6. **Summer Research Seminar**, Roswell Park Summer Research Participation Program, RPCI, Buffalo, NY, 1996.
7. **Monthly Seminar Series**, Cancer Genetics Department/Amniotic Fluid Department, Genetics and IVF Institute, Fairfax, VA, 1994.

Poster presentations:

1. **Mechanism of chemoimmunotherapy**, Graduate student poster competition, Buffalo, NY, 2003.
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2. **Mechanism of chemoimmunotherapy**, Annual meeting poster session, American Society of Clinical Oncology, Chicago, IL, 2003.
3. **Immunomodulation dependent therapeutic effects**, Annual meeting poster session, American Association for Cancer Research, New Orleans, LA, 2003.
4. **Immune involvement in the enhancement of anti-cancer response**, Annual meeting poster session, American Association for Cancer Research, Philadelphia, PA, 2001.
5. **Role of IL-15 in colon cancer treatment**, Pathobiology of Cancer Workshop poster session, American Association for Cancer Research, Keystone, CO, 2000.
6. **Role of immune defense in colon cancer treatment**, Poster session, Regional Cancer Center Consortium for Biological Therapy of Cancer, Pittsburg, PA, 1999.

Teaching:

1. **Science of the Intoximeter EC/IR II breathalyzer**, NC DWI Guy podcast with Jake Minick, Virtual, 2021.
2. **Science of Breath Alcohol**, NC DWI Guy podcast with Jake Minick, Virtual, 2021.
3. **Forensic Toxicology – 7th Annual Whiskey in the Courtroom**, Duke Law's Center for Criminal Justice & Professional Responsibility/North Carolina Office of Indigent Defense Services, Virtual, 2021.
4. **Forensic Toxicology for Child Custody, DSS, and Probation Violations**, North Carolina Office of Indigent Defense Services, Virtual, 2020.
5. **Advanced Forensic Toxicology**, 12th grade Forensics Elective, Apex Friendship High School, Apex, NC, 2018.
6. **Forensic Toxicology**, Lab Busters Elective, Moore Square Middle School, Raleigh, NC 2018.
7. **Forensic Toxicology**, Youth and the Law Elective Mock Trial Competition team, Moore Square Middle School, Raleigh, NC 2018.
8. **Forensic Toxicology**, 8th grade Forensics Elective, Moore Square Middle School, Raleigh, NC, 2016.
9. **Chemical weapons of WWI**, 7th grade social studies classes, Moore Square Middle School, Raleigh, NC, 2015.
10. **Terrorism and CERT**, Community Emergency Response Team/Cary Fire Department – Station 7, Cary NC, 2009-2011.
11. **Hazardous Materials Emergency Response Guide**, Community Emergency Response Team/Cary Fire Department – Station 1, Cary NC, 2009.
12. **Elements of Toxicology**, CDC-INFO staff, SRA International, Rockville, MD, 2006.
13. **Biology of cancer**, Roswell Park Summer Research Participation Program, RPCI, Buffalo, NY, 2001.

Mentor:

1. **Research Intern**, Roswell Park Summer Research Participation Program, RPCI, Buffalo, NY, 2000.



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2. **Research Intern**, Cancer Genetics Department, Genetics and IVF Institute, Fairfax, VA, 1995.

POST DOCTORAL EDUCATION

Continuing education classes:

American Association of Medical Review Officers

Comprehensive Medical Review Officer Training Program, 2021

1. Overview of drug testing and alternative medical explanations
2. Specimen collection procedures
3. Toxicology laboratory procedures
4. MRO practices and procedures part I
5. US DOT overview
6. FMCSA clearinghouse
7. MRO practices and procedures part II
8. MRO practices and procedures part III
9. Oral fluid drug testing
10. Designer drugs
11. Alcohol testing
12. Substance abuse professional evaluations
13. Drugs and alternative medical explanations
14. Drug and alcohol regulatory update
15. MRO's daily life
16. Hair and nail drug testing
17. Legal issues and risk management

Agilent

Eliminate the Fear Factor of LC/MS, 2021

1. Why Good Chromatography Matters for LC/MS
2. Fundamentals of Turning Liquid into Ions
3. LC/MS the Basics: Matching the Performance of the LC/MS to Analytical Solutions
4. System Maintenance & Troubleshooting
5. Basics of LC/TQ Operation

AlcoPro

Alcohol Pharmacology, 2021

DOT Breath Alcohol Technician Comprehensive Self-study Course, 2021

Godoy Medical Forensics, Inc

2020

1. Traumatic Brain Injury and Intoxication



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2. Reading Medical Records

North Carolina Office of Indigent Defense Services
Forensic Education Series, 2021

1. Understanding the roles of forensic mental health experts
2. Biomechanical injury in criminal cases
3. Drug screen testing
4. Drug confirmatory testing
5. Social and cognitive bias of criminal investigations and trials

Drug Testing, 2020

Expert's Seminar 2020

Expert's Seminar 2019

International Association of Chiefs of Police
Webinars, 2021

1. What if no drug is detected?

Drugs, Alcohol, and Impaired Driving conference, 2020

1. Linking SFST Impairment to Individual Driving Tasks
2. Do You Have Skin in the Game
3. ONDCP What You Need to Know About Today's Drug Mule
4. To Draw or Not to Draw: Why Your DRE Program Should Include LR Phlebotomists
5. Traditional and Designer Benzodiazepines in Impaired Driving Casework
6. Overcoming Defense Challenges
7. Networking Session: Toxicology Challenges
8. NHTSA Update
9. Beyond Eye Movements: How Intoxication Affects Visual Perception
10. Take a Breath and Reconstruct
11. Winning the Case with Testimony
12. Courtroom Testimony from a Judge's Perspective
13. Dusted in Houston: Spike in PCP-Driving
14. Noteworthy Supreme Court Cases
15. Fatal Combination: Alcohol and Cannabis Impairment
16. Drugs You May Not Have Heard About & Just May Be The Cause of Your False Negative
17. DRE Testimony: Opportunities and Pitfalls in Frye & Daubert Hearings
18. Physiology: Back to the Basics and a Little Bit More
19. People v Kidane – Drug Impairment or Mental Health

Drugs, Alcohol, and Impaired Driving conference, 2019

1. DEC program road to progress
2. High in plain sight
3. Defending the use of field sobriety test evidence in drug-impaired driving cases



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4. Training your prosecutors: Ensuring prosecutors get the most out of DREs and cross examination of the expert witness
 5. The big three: the Colorado, Florida, and San Diego SFST field evaluation studies
 6. Officer survival during a marijuana jury trial
 7. Marijuana impacts: A toxicology perspective
 8. Mellanby effects, impairment, & homeostasis: Why impaired drivers are never safe behind the wheel
 9. CopTox: What's new on the street
 10. Mining for Gold: A deeper look into the manual
 11. Development of SFSTs and their detection of drug impairment
- Drugs, Alcohol, and Impaired Driving conference, 2017
1. New drug recognition expert orientation
 2. Spit it out!, Implementation and validity of roadside oral fluid testing
 3. A look at marijuana studies and their practical use in impaired driving cases
 4. Inhaled vs. edible cannabis: Effects on interpreting cannabinoid concentrations and impairment
 5. Prescription drugs and driving
 6. Designer drugs and their impact on driving

Center for Forensic Science Research and Education

Current Trends in Forensic Toxicology, 2021

1. Global issues in toxicology
2. Instrument method development
3. Novel psychoactive substances
4. Alternative biological specimens
5. Cannabis

TIAFT Educational Symposium, 2020

1. Expert Validity
2. Juror comprehension of expert testimony
3. Discussion panel
4. Strategies for sample preparation in the forensic toxicology analysis of biological fluids
5. THC and CBD in driving
6. Markers of alcohol consumption in hair
7. Determination of the direct alcohol biomarker phosphatidylethanol in dried blood microsamples
8. My career as a forensic pathologist and a forensic toxicologist
9. Maintaining research, education, operations, and clinical care in 2020
10. Application of HighResNPS for suspect screening of new psychoactive substances
11. Sensitive screening method to detect new psychoactive substances (NPS) in oral fluid
12. Can current guidelines for postmortem sample selection and interpretation prevent errors?
13. Analytical challenges in postmortem toxicology
14. Death investigations – what can('t) toxicology tell us?

Applied pharmacodynamics, 2020



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1. Generalities
2. Modeling and concentration versus time graphs
3. The concept of clearance
4. Chronic dosing and steady state concentrations
5. Multi-compartment analysis
6. Nonlinear pharmacokinetics
7. Model-independent pharmacokinetics

Current Trends in Forensic Toxicology Symposium, 2020

1. Cadaverous changes & Post-mortem Toxicology
2. Kratom and Mitragynine in forensic casework
3. Postmortem redistribution – application of CT-Guided biopsy
4. Reference postmortem blood drug concentrations
5. High resolution screening of NPS in postmortem samples
6. Pharmacogenomic testing for forensic toxicology
7. Ultrafast screening of 263 drug targets in blood
8. Molecularly imprinted polymers for detection of drugs of abuse
9. Automated determination of phosphatidylethanol (Peth) from dried blood spots
10. High resolution LC-MS in forensic toxicology – Trials and tribulations, Tips and Tricks
11. Routine screening of drugs in whole blood using LC/Q-TOF
12. Discovery of NPS in forensic toxicology casework
13. Pharmacology and toxicology of synthetic cannabinoids
14. Eliminating backlog for forensic analysis with Intuvo 9000 GC technology
15. Are we guilty of being ethically corrupt court witnesses?
16. Targeted high-throughput screening 68 common drugs of abuse in human serum and urine

Society of Forensic Toxicology

Annual Meeting, 2020

1. SOFT topics discussion group
2. Drug facilitated crimes
3. Developing an oral fluid drug testing program workshop
4. DUID
5. DUID and human performance
6. Cannabis impaired driving workshop
7. Postmortem
8. Analytic toxicology
9. GC/MS and LC/MS/MS method development workshop
10. General/analytical
11. Post mortem
12. NPS

Annual Meeting, 2015

1. Postmortem toxicology workshop
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2. Analysis and interpretation of GHB workshop
3. Expert witness testimony workshop

National Association of Criminal Defense Lawyers CEU classes taken in 2020

1. DUI Defense: Mastering the Science & Technique
 - a. Gas Chromatography for Jurors
 - b. Therapeutic or Impaired? Prescription Medication Issues in DUI cases
 - c. Officer's Common Mistakes Using SFSTs
 - d. Understanding DREs
 - e. The Mysteries of Retrograde Extrapolation: Understanding & Overcoming Them
 - f. Fundamental Principles of Breath Testing
 - g. NHTSA's Vehicle in Motion & Personal Contact: The Two Forgotten Phases of a DUI Investigation
 - h. Don't Believe Everything You Read: An Introduction to Blood Testing
 - i. DUI Trial Tips & Tricks to Take Home
 - j. The ABSs of DUI; ETG, UA, IID & SCRAM
 - k. NHTSA's Advanced Roadside Impaired Driving Enforcement (ARIDE)
 - l. Do You Want to Know a Secret? The Hidden Treasures of Brady in DUI Cases
 - m. Botched Breath Tests
 - n. Using Cross-Examination to Unlock Mysterious Experts
 2. Secrets Revealed: Overcoming the Illusion of Guilt
 - a. An introduction to blood testing
 3. Defending the Modern Drug Case (2015)
 - a. Cannabis DUIs
 4. Cannabis and cars (2014)
 5. Defending the Modern Drug Case (2014)
 - a. Investigating quality control inside the lab
 - b. Ambien DUI cases
 - c. Cross of the toxicologist & government experts
 6. The Art and Science of DUI Defense
 - a. Extrapolation of blood test results
 7. Defending the Modern Drug Case (2013)
 - a. Per se limits for illicit drugs
 8. Making Sense of Science (2013)
 - a. Determining cause of death
 - b. Forensics pathology & toxicology
 - c. Interpretation of crime lab report
 - d. The science of SFST's: Probable cause or probably mistaken?
 9. DWI Means Defend with Ingenuity (2012)
 - a. Blood test discovery
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RTI /National Institute of Justice

1. Agilent Event: DART-TOF for Analysis of Bulk Drugs
2. Emerging Topics and Research in Sexual Assault Investigation
3. Human Identification in Mass Fatality Incidents
4. Introduction to Uncertainty in Forensic Chemistry and Toxicology
5. Map It Out: Models in Forensic DNA & Pathology - Part II
6. Novel Techniques and Tools for Forensic Analysis - Part II
7. One pot methamphetamine production and bath salt stability, Just science Podcast
8. Fundamentals of Chromatography used in Toxicology, 2013
9. Fundamentals of Immunoassay Testing Used in Toxicology, 2013
10. Fundamentals of Mass Spectrometry used in Toxicology, 2013
11. Fundamentals of Sample Preparation used in Toxicology, 2013
12. Fundamentals of Non-Mass Selective Detectors, 2013
13. Postmortem Interval and Molecular Autopsy - Part I, NIJ Grantees Meeting, 2013

MidAmerican Toxicology Course, 2009

1. General principles of toxicology
2. Chemical disposition and risk assessment
3. Forensic toxicology
4. Clinical toxicology
5. Developmental toxicology
6. Carcinogenicity
7. Mutagenesis
8. Inhalation toxicology
9. Blood and immunologic toxicology
10. Endocrine toxicology
11. Ocular toxicology
12. Toxic response of the nervous system
13. Toxic response of skin
14. Toxic response of the liver
15. Toxic response of the kidney
16. Pesticides
17. Toxic metals
18. Naturally occurring toxins

Miscellaneous

1. NMS Laboratory webinar, Is it Hemp or Marijuana, 2020
 2. Regional chapter meeting, chemical mixtures, North Carolina Society of Toxicology, 2019
 3. National Institutes of Health Podcast shines light on prescription drug abuse in women, National Institute on Drug Abuse, 2019
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4. National Institute on Drug Abuse teleconference discussion of results from cocaine vaccine study, 2019
5. What science can teach us about prevention/diagnosis/treatment of alcohol use disorder, National Institute on Alcohol Abuse and Alcoholism, 2019
6. Hyperkatifeiaoptimizea, National Institute on Alcohol Abuse and Alcoholism, 2019
7. Fourth generation chemical agents Part I/II (Novichok), The HazMat Guys podcast, 2019
8. Sensitive forensic screening for drugs of abuse in human urine using single quadrupole GC/MS and a single solid phase extraction, ThermoFisher webinar, 2018
9. The power of high-resolution mass spectroscopy to detect fentanyl analogs, Agilent webinar, 2017
10. Identify synthetic opiates using ambient ionization TOF-MS, Forensic Technology Center for Excellence, 2017
11. Journal of medical toxicology podcast – September 2014 and October 2014 episodes, 2016
12. “Crazy Monkey” and a man and his dog (synthetic cannabinoids), The Poison Review podcast, 2016
13. Chemical suicide, The HazMat Guys podcast, 2016
14. Hemodialysis in poisoning, The Poison Review podcast, 2016
15. Method validation for quantitation and confirmation of amphetamines, phenteramine, and designer drugs, Agilent webinar, 2015
16. GC/MS, Thermo Scientific Productivity Seminar Series, 2015
17. H impairment index: Estimating alcohol impairment, ToxNow podcast, 2015
18. DART-TOF analysis for bulk drugs, 2014
19. GLP training seminar, ILS-inc 2014
20. Pharmacokinetics, Basic Principles, 2013
21. Noncompartmental pharmacokinetic analysis, 2013
22. Identification of hazardous vapors, Raleigh fire department, 2013
23. Chemical identification by field infrared spectroscopy, Raleigh fire department, 2012
24. Chemical air monitoring, Raleigh fire department, 2012
25. Field chemical identification, Raleigh fire department, 2011
26. Hazmat chemistry refresher, Raleigh fire department, 2011
27. Appropriate use of opioid therapy for patients with pain, Postgraduate institute of Medicine, 2010
28. Management of common childhood poisoning reviewed, Medscape, 2010

Self-study:

1. DWI detection and SFST video training program, National Highway Traffic Safety Administration (NHTSA), 2013 edition
 2. Drug Recognition Expert Course (DRE) 7-day School Participant Manual, National Highway Traffic Safety Administration, 2013 edition
 3. Preliminary training for drug evaluation and classification, National Highway Traffic Safety Administration, 2010 edition
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4. DWI Detection and Standardized Field Sobriety Testing Participant Guide, National Highway Traffic Safety Administration, 2013 edition
 5. Advanced Roadside Impaired Driving Enforcement Manual, National Highway Traffic Safety Administration, 2007 edition
 6. Drug testing in alternate biological specimens, Jenkins A. J., Humana Press, 2008
 7. Disposition of toxic drugs and chemicals in man, 9th ed, Baselt R. C., Biomedical Publications, 2011
 8. Medical Review Officer Handbook, 9th ed, Shults T. F., Quadrangle Research, LLC, 2009
 9. Beating drug tests and defending positive results: A toxicologist perspective, Dasgupta A., Humana Press, 2010
 10. Karch's pathology of drug abuse, Karch S. B., 3rd ed, CRC press, 2002
 11. Understanding and navigating the DUI/DWI process, Manikas K. G., ManikasLaw, LLC, 2011
 12. Toxicological aspects of drug-facilitated crimes, Kintz P., Academic press, 2014
 13. Technician's guide for postmortem examinations: Practical guidelines for the application of postmortem procedures and their techniques, 1st ed, Ferguson W. R., Xlibris Corporation, 2010
 14. Death investigation: Systems and procedures, Hanzlick R., CRC press, 2007
 15. Drug-induced ocular side effect, 7th ed, F. T. Fraunfelder, F. W. Fraunfelder, W. A. Chambers, Elsevier Saunders, 2015
 16. Wigmore on alcohol: Courtroom alcohol toxicology for the medicolegal professional, J. G. Wigmore, Irwin Law, 2011
 17. Casarett & Doull's Toxicology, 7th ed, McGraw Hill Press, 2008
 18. Goodman and Gilman's The pharmacological basis of therapeutics, 8th ed, Pergamon Press, 1990
 19. Inside the minds: Understanding DUI scientific evidence, Harris H. L., McLane L., McShane J., McShane K., Barfield L. D., Thurston J. W., Curtis B., Kemp P. M., Ganci E., Ramsay C. A., Koewler D. J., Aspatore Books, 2015
 20. Inside the minds: Understanding DUI scientific evidence, McShane J. J., Lee J. D., Aspatore Books, 2014
 21. Inside the minds: DUI Law enforcement strategies, Fisher D. E., Lonsdorf D. W., Segotta F. W., Asleson M. L., Aspatore Books, 2008
 22. Forensic pathology, 2nd ed, DiMaio V. J., DiMaio D., CRC Press, 2001
 23. Mass Spectrometry, 2nd ed, Analytical chemistry by open learning, James Bater, 1999
 24. Breath testing for prosecutors by American Prosecutors Research Institute
 25. Horizontal gaze nystagmus, American Prosecutors Research Institute
 26. Drug recognition expert for prosecutors, American Prosecutors Research Institute
 27. Alcohol toxicology for prosecutors, American Prosecutors Research Institute
 28. Drug toxicology for prosecutors, American Prosecutors Research Institute
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LEGAL CASE WORK

Case list (cumulative count)

Evaluatee	Attorney/client	Year	Type	Drug test	Hearing	Jurisdiction	Consultation	Case review	Letter of Opinion or Affidavit	Deposition Testimony	Courtroom Testimony	Trial Consultation
	Client											
John ?	?	2011	Cause of death	P	?	?	1	1				
Chris Williams	Lauren Williams	2012	Cause of death	P	Inquest	United Kingdom	2	2	1			
?	NA	2012	Cause of death	P	Life Insurance	?	3	3				
Sam ?	?	2012	Retrograde extrapolation	A	?	Australia	4	4				
?	?	2014	Child custody	A	Criminal	VA	5	5				
Nancy Dibisceglie	Nicolette Gallows	2014	Cause of death	P	?	FL	6	6				
Dustin	?	2014	Cause of death	P	?	Canada	7	7				
Kristin August	Elizabeth Quesnel	2014	Cause of death	P	?	UT	8	8				
Richard Marinos	?	2014	DUI	A	Criminal	OH	9	9				
James Sanders	Jackie Teal	2014	DUI	A	Criminal	TX	10	10	2			
Denton Boswell	Kay Finley	2015	Probation	A	Criminal	TN	11	11	3			
Shane C.	Shane C.	2015	Probation	A	Criminal	?	12	12				
Christopher Gustave	Sarah Clayton	2015	Cause of death	P	Author	NA	13	13	4			
Jeri Harrison	Jeri Harrison	2015	Medication compliance	A	Civil	NY	144	14	5			
Timothy Smarth	Timothy Smarth	2016	Life Insurance application	A	Life Insurance	?	15	15				
Matthew Lambert	Matthew Lambert	2017	Employment drug test	A	Civil	Federal	16					
Rebecca Wilson	Rebecca Wilson	2017	DUI	A	Criminal	NC	17					
Renee Lee	Renee Lee	2018	DUI	A	Criminal	NC	18	16				
	Attorney											
Christina Scioli	Robert Currie	2015	Probation	A	Criminal	MI	19	17	6,7		1	
?	Kimberly Trimble	2015	Parole	A	Criminal	Federal	20	18	8			
Christopher Leggett	Kenneth Tisdale	2016	DUI	A	Criminal	NC	21	19				
James Sanders	Dan Simmons	2016	DUI	A	Criminal	TX	22	20	9		2	
James Sanders	Jackie Teal	2016	Parole	A	Criminal	TX	23	21	10			
Patrick Kummerer	Paul Toland	2017	Personal injury	A	Civil	NC	24	22	11			
?	Jill Clancy	2017	Child custody	A	Criminal	?	25					



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Evaluatee	Attorney/client	Year	Type	Drug test	Hearing	Jurisdiction	Consultation	Case review	Letter of Opinion or Affidavit	Deposition Testimony	Courtroom Testimony	Trial Consultation
Avinash Gandhi	Kenneth Tisdale	2017	DUI	A	Criminal	NC	26	23	12			
Boyce Lee	Kenneth Tisdale	2017	DUI	A	Criminal	NC	27	24	13			
Jeremy Doub	Kenneth Tisdale	2017	DUI	A	Criminal	NC	28	25	14			
Jerry Watson	Dawn Gray (client)	2017	Cause of death	P	Insurance	TX	29	26	15			
Emanuele Avaro	Anthony Ison	2018	Employment	A	Civil	Federal	30	27	16			
Maria Robey	Tyler Benson	2018	DUI	A	Criminal	NC	31	28				
Darius Johnson	Caroline Johnson	2018	Sports doping	A	Civil	Italy	32	29				
Peter Kyriakides	Anthony Ison	2018	Employment	A	Civil	Federal	33	30	17			
?	Don Ennis	2018	Cause of death	P	Civil	NC	34	31				
?	Dean Morgan	2018	DUI	A	Criminal	PA	35					
?	Nick Clifford	2018	DUI	A	Criminal	NC	36					
Latyr Ndaiye	Sara Klemm	2019	Post-conviction	A	Criminal	MD	37	32			3	
Nathan Fernham	Locke Milholland	2019	Child custody	A	Criminal	NC	38	33	18			
Anne Fail	Danny Glover Jr.	2019	DUI	A	Criminal	Federal	39	34	19			
Jon Harkins	Todd Conormon	2019	DUI	A	Criminal	Federal	40	35				
Audrey Locklear	Jim Doermann	2019	DUI	A	Criminal	NC	41	36				
Densel Dancy	Joseph Arbour	2019	Murder	A	Criminal	NC	42	37	20		4	
Anthony Arnett	Brad Ferguson	2019	Assault	A	Criminal	NC	43	38	21		5	
?	Shira Hedgepeth	2019	Child custody	A	Civil	Tribal	44					
Sherrie Merritt	Mandy Vivelo	2019	Medical malpractice	P	Civil	NC	45	39		1		
Seth Tracy	Sharon Suh	2019	Personal injury	A	Civil	NC	46	40				
Tamarcus Lofton	Selen Vining	2019	Personal injury	A	Civil	NC	47	41	22			
Morgan Carson	Jack Bayliss	2019	Personal injury	A	Civil	NC	48	42	23			
?	Steven Wright	2019	Drug possession	NA	Criminal	NC	49					
Christina Berkoben	Michael Greer	2019	Personal injury	A	Civil	NC	50	43				
Ronald Nash	Michael Levine	2019	Personal injury	P	Civil	NC	51	44		2		
Kevin Jernigan	Craig Myers	2019	Personal injury	A	Civil	TX	52	45	24	3		
Richard Ray	Michael Greer	2019	Personal injury	A	Civil	NC	53	46				
Eric Taylor	Jeremy Smith	2019	DUI	A	Criminal	NC	54	47	25, 26			
Stephen Duriseau	Craig Myers	2020	DUI	P	Civil	TX	55	48				
Mariah Woods	Brooke Mangum	2020	Cause of death	P	Criminal	NC	56	49				
James Williamson	Mark Davis	2020	Personal injury	A	Civil	NC	57	50	27			
?	Rachel Smith	2020	DUI	A	Criminal	NC	58					
Daniel Harris	Alton Reeder	2020	Assault	A	Criminal	NC	59	51	28			
Michelle Ketchens	Keith Metz	2020	DUI	A	Criminal	NC	60	52				
Akelia Hypolite	Natasha Crawford	2020	Assault	A	Criminal	GA	61	53				



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Janet Carter David Cosby	Janelle Wendorf	2020	Personal injury	A	Civil	NC	62	54	29			
Carson Davis Justice Hewitt	Sarah Ellerbe	2020	Personal injury	A	Civil	NC	63	55		4		
Mathew Upchurch	Joe Ivey	2020	Child Custody	A	Civil	NC	64	56				
?	Dorothy Lewis	2020	DUI	A	Criminal	NC	65					
Logan Hopper	?	2020	Cause of death	P	Civil	TN	66					
Alden Whitehead	Jeremy Smith	2020	Murder	A	Criminal	NC	67	57				
Siobhan McCauliffe	Raquel Fox	2020	DUI	A	Criminal	CA	68					
Deonte Spearman	Michael Cohen	2020	Personal injury	A	Civil	NC	69	58				
Theodore Robbins	Stephen Teague	2020	Personal injury	A	Civil	NC	70	59				
Trevor Stiaszny	Julie Hammerman	2020	Employment	A	Civil	Federal	71	60				
Mary Chrutchfield	Cynthia Everson	2020	Personal injury	A	Civil	NC	72	61				
Barbra Raily	David Mohrmann	2020	Personal Injury	A	Civil	Federal	73	62				
Erika Starling	Patrick Williams	2020	Child custody	A	Civil	NC	74	63	30			
Ramon Reguero	?	2020	Poisoning	S	Criminal	NC	75	64				
Tracy Kane	?	2020	Poisoning	A,S	Criminal	VA	76	65				
Kelly Pace	?	2020	Poisoning	A	Criminal	NC	77					
John Whitson	Mark Rabil	2020	Post-conviction	P	Criminal	NC	78	66				
?	Josh Simmons	2020	Child custody	A	Civil	NC	79	67				
Matthew Evans	Casey Cogburn	2020	Cause of death	P	Civil	NC	80	68				
Me'chele Morrison	Ashley Bartolucci	2020	Personal injury	A	Civil	NC	81	69				
Zachary Castro	Craig Myers	2021	Personal injury	A	Civil	TX	82	70	31			
Raheem Jackson	Cecilia Oseguera	2021	Probation	A	Criminal	Federal	83	71				
Carl Farris	Nicolle Phair	2021	DUI	A	Criminal	NC	84	72				
Matthew Doxey	Scott Wligora	2021	Cause of death	P	Criminal	NC	85	73				
Charles Plunkett Jr.	Carlos Mahoney	2021	Personal injury	A	Civil	NC	86	74	32		6	
Nicholas Grant	Eddie Thomas	2021	DUI	A	Criminal	NC	87	75	33			
?	Johnna Herron	2021	DUI	A	Criminal	NC	88					
Britton Smith	George Hunt	2021	DUI	A	Criminal	NC	89	76				
Kerry Richardson	Randolph James	2021	Employment	A	Civil	NC	90	77				
?	Amily McCool	2021	DUI	A	Criminal	NC	91	78				
?	Deborah Davis	2021	Cause of death	P	Civil	SC	92					
?	Aden Wilkie	2021	DUI	A	Criminal	Federal	93					
?	Vanessa Puhak	2021	Child custody	A	Civil	NC	94					
?	Richard Costanza	2021	DUI	A	Criminal	NC	95					



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Evaluatee	Attorney/client	Year	Type	Drug test	Hearing	Jurisdiction	Consultation	Case review	Letter of Opinion or Affidavit	Deposition Testimony	Courtroom Testimony	Trial Consultation
Jennifer Kirk	?	2021	Child Custody	A	Civil	NC	96					
John Rogers	Craig Myers	2021	Personal injury	A	Civil	TX	97	79				
Emmanuel Simeon	Aaron Wellman	2021	DUI	A	Criminal	NC	98	80	34			
Jeffrey Coffey	Robert Karney	2021	Personal injury	A	Civil	NC	99	81				
Truman Staples	?	2021	Probation	A	Criminal	KY	100					
L. C. Jones	Craig Myers	2021	Personal injury	A	Civil	TX	101	82	35			
Michael Bates	Katie Sanders	2021	DWI	A	Criminal	NC	102	83				1
?	Eric Eller	2021	DWI	A	Criminal	NC	103					
Robert Shields	Eli Timberg	2021	DWI	A	Criminal	NC	104					
Dominic Cardone	?	2021	DWI	A	Criminal	NC	105	84				
Cody Bagwell	?	2021	DWI	A	Criminal	NC	106					
?	Carol Kendrick	2021	DWI	A	Criminal	NC	107					
Evangelos Manginas	Jeremy Kosin	2021	Personal injury	A	Civil	NC	108	85				
Terence Walker	Jeremy Kosin	2021	Personal injury	A	Civil	NC	109	86	36			
?	Mary Mendini	2021	DWI	A	Criminal	NC	110					
William Bayliss	Jack Baylis	2021	DWI	A	Criminal	NC	111					
Corey Philemon	Paul Dickinson	2021	Personal injury	A	Civil	NC	112	87				
Christine Benson	Rebecca Blakeslee	2021	Poisoning	A	Criminal	IL	113	88				
Dillion ?	?	2021	DWI	A	Criminal	NC	114					
Totals							114	88	36	4	6	1

Drug test: A = Antemortem, P = Postmortem, S = Substance