

JOHN GREENE SHEPHERD

28 Coventry Woods Drive Asheville, North Carolina, 28704
Home: 828-778-1188
Office: 828-250-3900
greeneshepherd@unc.edu

EDUCATION

1996-1998	Fellowship in Clinical Toxicology Maryland Poison Center University of Maryland at Baltimore Baltimore, Maryland 21201
1992-1996	Doctor of Pharmacy Magna Cum Laude Campbell University, School of Pharmacy Buies Creek, North Carolina 27506
1987-1992	Bachelor of Science (Chemistry/Biology) Appalachian State University Boone, North Carolina 28607

CERTIFICATION AND LICENSURE

Diplomate of the American Board of Applied Toxicology

Original Certification 1999
Recertification 2004, 2009, 2014, 2019

North Carolina Pharmacy License # 13584

PROFESSIONAL EXPERIENCE & ACADEMIC APPOINTMENTS

October 2012 – Date	Vice Chair University of North Carolina, Eshelman School of Pharmacy Division of Practice Advancement and Clinical Education
August 2011 – Date	Director of Professional Education, Asheville Campus University of North Carolina, Eshelman School of Pharmacy
May 2011 – May 2012	Pharmaceutical Care Lab Coordinator, Asheville Campus University of North Carolina, Eshelman School of Pharmacy
May 2011- Date	Clinical Professor University of North Carolina, Eshelman School of Pharmacy Division of Practice Advancement and Clinical Education

July 2010 – July 2012	Clinical Professor, Emergency Medicine Medical College of Georgia
June 2009– February 2011	Professor of Clinical Pharmacy University of Georgia College of Pharmacy
April 2004 – May 2010	Clinical Associate Professor, Emergency Medicine Medical College of Georgia
March 2004– May 2009	Associate Professor of Clinical Pharmacy University of Georgia College of Pharmacy
August 1998- March 2004	Director and Clinical Toxicologist North Texas Poison Center, Parkland Memorial Hospital Dallas, Texas
October 1999- March 2004	University of Texas, Southwestern School of Medicine Clinical Assistant Professor; Division of Emergency Medicine
October 1998- October 1999	University of Texas, Southwestern School of Medicine Clinical Instructor; Division of Emergency Medicine
September 1998 – March 2004	University of Texas, Austin Clinical Preceptor, School of Pharmacy
September 1998 – March 2004	Texas Tech University Clinical Preceptor, School of Pharmacy
May 1997 – July 1998	Pharmacist, James Pharmacy, Baltimore, MD
July 1996- June 1998	University of Maryland College of Pharmacy Clinical Instructor
May 1992 –August 1992	Chemistry Laboratory Instructor, Appalachian State University
July 1989- June 1992	Pharmacy Technician, Watauga General Hospital

HONORS

2020	Instructor Worthy of Recognition, UNC Eshelman School of Pharmacy
2019	Platinum Hermes Creative Award for Virtual Crash Cart
2016	Instructor Worthy of Recognition, UNC Eshelman School of Pharmacy
2015	Instructor Worthy of Recognition, UNC Eshelman School of Pharmacy
2014	Instructor Worthy of Recognition, UNC Eshelman School of Pharmacy
2009	Selected as a Fellow of the American Academy of Clinical Toxicology
2005	Visiting Professor at Misr International University in Cairo, Egypt. During February and March lectured on clinical toxicology and poisoning
1997	Texaco / American Academy of Clinical Toxicology Fellowship
1996	Leonard G. Stahl Outstanding Clinical Pharmacy Student Award - Campbell University
1994	Novo-Nordisk Student Research Fellowship
1991	Beta Beta Beta Biological Honor Society- Appalachian State University Chapter

SCHOLARLY ACTIVITIES

BOOKS & CHAPTERS

1. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate, Rose, BD (Ed). 2021 UpToDate. Waltham, MA.
2. Mowry JB, **Shepherd G**, Overberg AG. Isoniazid poisoning. In Irwin & Rippe's Intensive Care Medicine, 9th Edition, Ed. Irwin R, et al. (*In press*) Wolters Kluwer.
3. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate, Rose, BD (Ed). 2019 UpToDate. Waltham, MA.
4. **Shepherd G**, Guyton J. Drug Hypersensitivity Reactions. In: Koda-Kimble & Young's Applied Therapeutics, The Clinical Use of Drugs. 11th Ed. Zeind CS, et al. 2017 Wolters Kluwer.
5. Rhoney D, **Shepherd G**. Drug Induced Seizures in Critically Ill Patients. In: Seizures in Critical Care, 3rd Ed, Varelas PN, Claassen J. 2017 Springer. Switzerland. DOI: 10.1007/978-3-319-49557-6

6. Lookabill SK, Dulaney AR, **Shepherd G**, Kerns WP. Sodium Bicarbonate. In Critical Care Toxicology. 2nd Ed. Brent J, et al. Critical Care Toxicology. 2016 Springer. Switzerland. DOI: 10.1007/978-3-319-20790-2_196-1
7. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate, Rose, BD (Ed). 2016 UpToDate. Waltham, MA.
8. **Shepherd G**, Schwartz RB. Chapter 16: Emergency Preparedness: Identification and Management of Chemical and Radiological Exposures. In: Pharmacotherapy, a pathophysiologic approach. 9th Ed. DiPiro JT, Talbet RL, Yee GC, et al. 2014 McGraw-Hill. New York, NY.
9. **Shepherd G**, Schwartz RB. Chapter 5: Pharmacologic adjuncts to intubation. In: Clinical Procedures in Emergency Medicine 6th Ed. Roberts JR and Hedges JR. Saunders. 2013 Saunders. Philadelphia, PA
10. Velez LI, Goto CS, **Shepherd G**. Decontamination of poisoned children. In: UpToDate, Rose, BD (Ed). 2012 UpToDate. Waltham, MA.
11. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate, Rose, BD (Ed). 2012 UpToDate. Waltham, MA.
12. **Shepherd G**, Schwartz RB. Chapter 6. Personal Protective Equipment and Casualty Decontamination. In: Advanced Disaster Life Support Course Manual 3rd Ed. Armstrong JH and Schwartz RB. AMA Press. 2011 Washington, D.C.
13. **Shepherd G**, Schwartz RB. Chapter 16: Emergency Preparedness: Identification and Management of Chemical and Radiological Exposures. In: Pharmacotherapy, a pathophysiologic approach. 8th Ed. DiPiro JT, Talbet RL, Yee GC, et al. 2011 McGraw-Hill. New York, NY.
14. **Shepherd G**. Chapter 7. Medication Administration. In: Specialized Tactics for Operational Rescue and Medicine, Operator Edition. 2011 University of Georgia Press. Athens, GA.
15. **Shepherd G**. Chapter 13. Hazardous Materials. In: Specialized Tactics for Operational Rescue and Medicine, Operator Edition. 2011 University of Georgia Press. Athens, GA.
16. **Shepherd G**. Chapter 6. Section 6.5 Disaster Paradigm: Detection. In: Core Disaster Life Support Course Manual 3rd Ed. Coule PL and Mitas JA. AMA Press. 2010 Washington, D.C.
17. **Shepherd G**, Schwartz RB. Chapter 12: Emergency Preparedness: Identification and Management of Chemical and Radiological Exposures. In: Pharmacotherapy, a pathophysiologic approach. 7th Ed. DiPiro JT, Talbet RL, Yee GC, et al. 2008 McGraw-Hill. New York, NY.
18. Velez LI, Goto CS, **Shepherd G**. Decontamination of poisoned children. In: UpToDate, Rose, BD (Ed). 2007 UpToDate. Waltham, MA.
19. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate, Rose, BD (Ed). 2007 UpToDate. Waltham, MA.

20. Klein KR, King R, Carmona P, **Shepherd G**. Section 5, Chapter 1: Chemical, Biological, and Radiological Threats in the Tactical Environment: Overview of Identification and Treatment. In: Tactical Emergency Medicine. 1st Ed. Schwartz RB, McManus JG, Swienton RE. 2007 Lippincott, Williams & Wilkins. Philadelphia, PA.
21. **Shepherd G**, Lamecha D, Metzger J, Carmona P, Dickerson R. Section 5, Chapter 2: Personal Protective Equipment for the Tactical Team. In: Tactical Emergency Medicine. 1st Ed. Schwartz, RB, McManus JG, Swienton RE. 2007 Lippincott, Williams & Wilkins. Philadelphia, PA.
22. Klein KR, Mayer PT, **Shepherd G**, King R, Ratliff M. Section 5, Chapter 3: Decontamination for Tactical Teams. In: Tactical Emergency Medicine. 1st Ed. Schwartz, RB, McManus JG, Swienton RE. 2007 Lippincott, Williams & Wilkins. Philadelphia, PA.
23. Velez LI, **Shepherd G**, Goto CS. Approach to the child with occult toxic exposure. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2006. UpToDate, Inc. Wellesley, MA.
24. Velez LI, Goto CS, **Shepherd G**. Decontamination of poisoned children. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2006. UpToDate, Inc. Wellesley, MA.
25. **Shepherd G**. Chloramphenicol. In: Encyclopedia of Toxicology Volume I, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
26. **Shepherd G**. Corrosives. In: Encyclopedia of Toxicology Volume I, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
27. **Shepherd G**. Cyclophosphamide. In: Encyclopedia of Toxicology Volume I, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
28. **Shepherd G**. Deferoxamine. In: Encyclopedia of Toxicology Volume I, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
29. **Shepherd G**. Flouride. In: Encyclopedia of Toxicology Volume II, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
30. **Shepherd G**. Methanol. In: Encyclopedia of Toxicology Volume III, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
31. **Shepherd G**. Thyroid Extract. In: Encyclopedia of Toxicology Volume III, 2nd Ed. Wexler P. Editor in Chief. 2005 Elsevier. San Diego, CA.
32. **Shepherd G**. Types of Radiation: Basic Theory Explained for the Non-Physicist. In: Medical Response to Terrorism. Keyes DC. Editor. 2005 Lippincott Williams & Wilkins. Philadelphia, PA.
33. **Shepherd G**. and Keyes DC. Methylene Blue. In: Medical Toxicology 3rd ed. Dart, RC editor. 2004 Lippincott Williams & Wilkins. Philadelphia, PA.

34. Velez LI, Goto CS, **Shepherd G**. Approach to the child with occult toxic exposure I. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2004 UpToDate, Inc. Wellesley, MA.
35. Velez LI, Goto CS, **Shepherd G**. Approach to the child with occult toxic exposure II. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2004 UpToDate, Inc. Wellesley, MA.
36. Velez LI, Goto CS, **Shepherd G**. Decontamination I. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2000-2004. UpToDate, Inc. Wellesley, MA.
37. Velez LI, Goto CS, **Shepherd G**. Decontamination II. In: UpToDate in Pediatrics On-Line Textbook. Feigin RD editor-in-chief. 2000-2004. UpToDate, Inc. Wellesley, MA.

REFEREED PUBLICATIONS

1. Ghannoum M, Berling I, Lavergne V, Roberts DM., Galvano T, Hoffman, RS, Nolin, TD, Lewington A, Doi K, Gosselin, S. and **the EXTRIP workgroup**. Recommendations from the EXTRIP workgroup on extracorporeal treatment for baclofen poisoning. *Kidney International. (in press available online Aug 4 2021)* <https://doi.org/10.1016/j.kint.2021.07.014>
2. Hoegberg L, **Shepherd G**, Wood D, Johnson J, Hoffman RS, Caravati EM, Chan WL, Smith SW, Olsen K, Gosselin S. Systematic review on the use of activated charcoal for gastrointestinal decontamination following acute oral overdose. *Clinical Toxicology*. 2021 <https://doi.org/10.1080/15563650.2021.1961144>
3. Bouchard, J, **Shepherd G**, Hoffman, RS, Gosselin, S, Roberts DM, Nolin TD, Yi L, Lavergne V, Ghannoum M. and the EXTRIP workgroup. Extracorporeal treatments for beta-adrenergic antagonist poisoning: systematic review and recommendations from the Extracorporeal Treatments in Poisoning workgroup. *Critical Care*. 2021; 25:201. <https://doi.org/10.1186/s13054-021-03585-7>
4. Mowry JB., **Shepherd G**, Hoffman RS, Lavergne V, Gosselin S., Nolin, TD., Vijayan A., Kielstein, JT, Roberts, DM, Ghannoum, M. and the EXTRIP workgroup. Extracorporeal treatments for isoniazid poisoning: systematic review and recommendations from the Extracorporeal Treatments in Poisoning workgroup. *Pharmacotherapy*. 2021; 41:463-478. <https://doi.org/10.1002/phar.2519>
5. Wong A, Hoffman RS, Walsh SJ, Roberts DM, Gosselin S, Bunchman TE, Kebede S, Lavergne V, Ghannoum M; **the EXTRIP workgroup**. Extracorporeal treatment for calcium channel blocker poisoning: systematic review and recommendations from the EXTRIP workgroup, *Clinical Toxicology*. 2021 59:5, 361-375, DOI: 10.1080/15563650.2020.1870123
6. Carpenter D.M., Hastings T., Westrick S., Rosenthal M., Mashburn P., Kiser S., **Shepherd G.**, Curran G. Rural community pharmacies' preparedness for and responses to COVID-19. *Research in Social and Administrative Pharmacy*. 2021; 17: 1327-1331. doi.org/10.1016/j.sapharm.2020.10.008

7. Berling I, King JD, **Shepherd G**, Hoffman RS, Alhatali B, Lavergne V, Roberts DM, Gosselin S, Wilson G, Nolin TD, Ghannoum M; EXTRIP workgroup. Extracorporeal Treatment for Chloroquine, Hydroxychloroquine, and Quinine Poisoning: Systematic Review and Recommendations from the EXTRIP Workgroup. *J Am Soc Nephrol.* 2020 Oct;31(10):2475-2489. doi: 10.1681/ASN.2020050564. PMID: 32963091.
8. Jarvi A, Hughes P, **Shepherd G**, Hedgepeth Kennedy ML, Wilson CG. Impact of elective on students' perceptions of treating patients with a substance use disorder. *J Am Pharm Assoc.* 2020 Jul-Aug;60(4):e43-e46. doi: 10.1016/j.japh.2020.01.021. Epub 2020 Feb 24. PMID: 32107156.
9. Williams CR, Rodgers P, McLaughlin J, Angelo T, **Shepherd G**. Comparing Empathy Levels in Doctor of Pharmacy Students and Exemplary Pharmacist Preceptors. *Am. J. Pharmaceutical Edu.* 2020; 84(3):7497. doi: 10.5688/ajpe7497. PMID: 32313275
10. **Shepherd G**. Experience with implementing pyramid examinations in an elective pharmacy course. *Currents in Pharmacy Teaching and Learning.* 2018; 10: 1631-1635. DOI: 10.1016/j.cptl.2018.09.003
11. Carpenter DM, Dhamanaskar AK, Gallegos KL, **Shepherd G**, Mosley SL, Roberts CA. Factors Associated with How Often Community Pharmacists Offer and Dispense Naloxone. *Res Soc Adm Pharm.* 2018. <https://doi.org/10.1016/j.sapharm.2018.07.008>
12. Fay AE, Ferreri SP, **Shepherd G**, Lundeen K, Tong GL, Pfeiffenberger T. Care Team Perspectives on Community Pharmacy Enhanced Services, *J. Am. Pharmacists Assoc.* 2018, DOI: 10.1016/j.japh.2018.05.009
13. Williams C, McLaughlin J Cox W, **Shepherd G**. Relationship between Student Pharmacist Decision-Making Preferences and Experiential Learning. *Am. J. Pharmaceutical Edu.* 2016; 80: Article 119.
14. Scott MA, Joyner PU, **Shepherd G**. Student organizations on satellite campuses of US colleges of pharmacy. *Am. J. Pharmaceutical Edu.* 2016; 80: article 78. DOI: 10.5688/ajpe80578
15. Lerner EB, McKee CH, Cady CE, Cone DC, Colella MR, Cooper A, Coule PL, Lairet JR, Liu JM, Pirrallo R, Sasser SM, Schwartz R, **Shepherd G**, Swienton RE. A Consensus-Based Gold Standard For the Evaluation of Mass-Casualty Triage Systems. *Prehospital Emergency Care.* 2014; 18: DOI: 10.3109/10903127.2014.959222
16. McLaughlin J, Cox W, Williams C, **Shepherd G**. Rational and Experiential Decision Making Preferences of 3rd year Student Pharmacists. *Am. J. Pharmaceutical Edu.* 2014; 78: article 120.
17. **Shepherd G**, Mohorn P, Yacoub K, Williams D. Adverse Drug Reaction Deaths reported in United States Vital Statistics, 1999-2006. *Ann. Pharmacother.* 2012; 46:169-175. doi:10.1345/aph.1P592
18. Alhelail M, **Shepherd G**. Worksheet ALS-SC-073-02A: Benzodiazepine Toxicity. In: Morrison LJ, Deakin CD, Morley PT, Callaway CW, Kerber RE, Kronick SL, Lavonas E, Link MS, Neumar RW, Otto CW, Parr M, Shuster M, Sunde K, Peberdy MA, Tang W, Vanden

Hoek TL, Böttiger BW, Drajer S, Lim SH, Nolan JP; on behalf of the Advanced Life Support Chapter Collaborators. Part 8: Advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010; 122: s346-421 and *Resuscitation*. 2010; 81: e93-e174. <http://circ.ahajournals.org/site/C2010/ALS-SC-073-02A.pdf>

19. Givens M, **Shepherd G**. Worksheet ALS-SC-073-03B: Beta Blocker Toxicity. In: Morrison LJ, Deakin CD, Morley PT, Callaway CW, Kerber RE, Kronick SL, Lavonas E, Link MS, Neumar RW, Otto CW, Parr M, Shuster M, Sunde K, Peberdy MA, Tang W, Vanden Hoek TL, Böttiger BW, Drajer S, Lim SH, Nolan JP; on behalf of the Advanced Life Support Chapter Collaborators. Part 8: Advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010; 122: s346-421 and *Resuscitation*. 2010; 81: e93-e174. <http://circ.ahajournals.org/site/C2010/ALS-SC-073-03B.pdf>
20. **Shepherd G**, Givens M. Worksheet ALS-SC-073-04B: Calcium Channel Blocker Toxicity. In: Morrison LJ, Deakin CD, Morley PT, Callaway CW, Kerber RE, Kronick SL, Lavonas E, Link MS, Neumar RW, Otto CW, Parr M, Shuster M, Sunde K, Peberdy MA, Tang W, Vanden Hoek TL, Böttiger BW, Drajer S, Lim SH, Nolan JP; on behalf of the Advanced Life Support Chapter Collaborators. Part 8: Advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010; 122: s346-421 and *Resuscitation*. 2010; 81: e93-e174. <http://circ.ahajournals.org/site/C2010/ALS-SC-073-04B.pdf>
21. Huston S, Porter K, Clements T, **Shepherd G**. Pharmacists' attitudes towards pediatric cough and cold products and behind the counter status. *J Ped Pharmacol Therap*. 2010;15:126-137.
22. Yalindag-Ozturk N, Goto C, **Shepherd G**, Torres O, Giroir B. A Pilot Pharmacokinetic Study of Tricyclic Antidepressant (TCA) Ovine Fab for TCA poisoning in Children. *Clin Tox*. 2010; 48: 418-423.
23. **Shepherd G**, Ferslew BC. Homicidal Poisoning in the United States 1999-2005. *Clin Tox*. 2009; 47: 342-347.
24. **Shepherd G**, Schwartz RB. Frequency of Incomplete Medication Histories Obtained at Triage. *Am J Health-Sys Pharm*. 2009; 66: 65-69.
25. Aazami R, Clements EA, Cobaugh DJ, Paloucek FP, et al. (**Shepherd G**). ASHP Statement on Pharmacy Services to the Emergency Department, *Am J Health-Sys Pharm*, 2008; 65: 2380–2383. DOI 0.2146/ajhp080417
26. **Shepherd G**, Velez LI. Role of Hydroxocobalamin in Acute Cyanide Poisoning. *Ann Pharmacother*. 2008; 42: 661-669. DOI 10.1345/aph.1K559
27. Velez LI, **Shepherd G**, Lee YC, Keyes DC. Ethylene Glycol Ingestion Treated With Only Fomipezole. *J Med Tox*. 2007; 3(3): 125-128
28. **Shepherd G**. Treatment of Poisoning Caused by β -adrenergic and Calcium Channel Blockers. *Am J Health-Syst Pharm*. 2006; 63: 1828-1835

29. Velez LI, **Shepherd G**, Mills LD, Rivera W. Systemic Toxicity after an Occular Exposure to Xylazine Hydrochloride. *J Emerg Med.* 2006; 30(4): 407-410
30. **Shepherd G**. Adverse Events Associated with Extra Doses of Bupropion. *Pharmacotherapy.* 2005; 25(10): 1378-1382
31. **Shepherd G**, Klein-Schwartz W. High-Dose Insulin Therapy for Calcium-Channel Blocker Overdose. *Ann Pharmacother.* 2005; 39(5): 923-930. DOI 10.1345/aph.1E436
32. Yudziky M, Grisemer P, **Shepherd G**, Ray M, Garrison J. Can textbook covers be used to increase poison center utilization? *Vet Hum Toxicol.* 2004; 46(5): 285-6
33. Gracia R, **Shepherd G**. Cyanide Poisoning and Its Treatment. *Pharmacotherapy.* 2004; 24(10): 1358-1365
34. Velez LI, Gracia RG, Mills LD, **Shepherd G**, Feng SY. Iron Bezoar Retained in Colon Despite 3 Days of Whole Bowel Irrigation. *J. Tox. Clin. Tox.* 2004; 42(5): 653-656
35. Brown SA, Lipschitz AH, Kenkel JM, Sorokin E, **Shepherd G**, Grebe S, Oliver LK, Luby M, Rohrich RJ. Pharmacokinetics and Safety of Epinephrine Use in Liposuction. *Plast Reconstr Surg.* 2004; 114(3): 756-763
36. Kenkel JM, Lipschitz AH, **Shepherd G**, Armstrong VW, Streit F, Ollerich M, Luby M, Brown SA. Pharmacokinetics and Safety of Lidocaine and Monoethylglycinexylidide (MEGX) in Liposuction: A Microdialysis Study. *Plastic and Reconstructive Surgery.* 2004;114(2):516-24; discussion 525-6
37. **Shepherd G**, Velez, LI, Keyes DC. Intentional Bupropion Overdoses. *J Emerg Med.* 2004; 27(2): 147-151
38. Rivera W, Guzman DD, Velez LI, **Shepherd G**. Unintentional Intravenous Infusion of Golytely in a 4-Year Old Female. *Ann Pharmacother.* 2004; 38: 1183-1185
39. Rivera W, Kleinschmidt KC, Velez LI, **Shepherd G**, Keyes DC. Delayed Salicylate Toxicity After a Single Overdose. *Ann Pharmacother.* 2004; 38: 1186-1188.
40. **Shepherd G**. Larkin GL, Velez LI, Huddleston WL. Language Preferences Among Callers To A Regional Poison Center. *Vet and Human Toxicol.* 2004; 46(2):100-1
41. Velez LI, **Shepherd G**, Roth B, Benetiz F. Serotonin Syndrome with Elevated Paroxetine Concentrations. *Ann Pharmacother.* 2004; 38:269-272
42. Berman L, **Shepherd G**, Silverman M. The LSARS: Lethality of Suicide Attempt Rating Scale – Updated. *Suicide and Life-Threatening Behavior.* 2003; 33(3): 261-276
43. Morrison LD, Velez LI, **Shepherd G**, Bey T, Benetiz FL. Death by Quinine. *Vet and Human Toxicol.* 2003; 45(6): 303-306

44. Garrison J, **Shepherd G**, Huddleston WL, Watson WA. Effectiveness of home ipecac administration when it is not immediately available. *J. Tox. Clin. Tox.* 2003; 41(3): 217-221
45. Klein-Schwartz W, **Shepherd G**, Gorman S, Dhal B. Prospective Multicenter Case Series of Gabapentin Ingestions. *J. Tox. Clin. Tox.* 2003; 41(1): 11-15
46. Velez LI, Shirazi F, **Shepherd G**, Goto CS, Roth B. Severe Toxicity Due to 4-Aminopyridine Ingestion in a Pediatric Patient. *Pediatrics*, 2003; 111(1): 1-3
47. Velez LI, Kulstad E, **Shepherd G**, Roth B. Inhalational Methanol Toxicity in Pregnancy Treated Twice With Fomepizole. *Vet and Human Toxicol*, 2002; 45(1): 28-30
48. **Shepherd G**, Klein-Schwartz W, Anderson BD. Acute Pediatric Brodifacoum Ingestions. *Pediatric Emergency Care*, 2002; 18(3): 174-178.
49. **Shepherd G**, Klein-Schwartz W, Burstein A. Efficacy of the Cation Exchange Resin, Sodium Polystyrene Sulfonate, to Decrease Iron Absorption. *J. Tox. Clin. Tox.*, 2000; 38(7): 613-616
50. **Shepherd G**, Klein-Schwartz W, Edwards R. Donepezil Overdose, A Ten Fold Dosing Error. *Ann Pharmacother*, 1999; 33:812-815
51. **Shepherd G**, Klein-Schwartz W. Adolescent Poisoning Deaths in the US. *Archives of Pediatrics and Adolescent Medicine*, 1998; 152:1181-1185
52. **Shepherd G**, Grover J, Klein-Schwartz W. Prolonged Formation of Methemoglobin Following Nitroethane Ingestion. *J. Tox. Clin. Tox.*, 1998; 36 (6): 613-616

SCIENTIFIC MEETING ABSTRACTS

1. Peterson M, Shepherd G. Cracking the Code: Emergency Drug Cart Stocking Practices in North Carolina Hospitals. ASHP 2021 Midyear meeting, professional poster session.
2. Pinelli NR, **Shepherd G**, Rao KV, Kiser SN, Cox WC. Spanning the State: COVID-19 Vaccination Efforts by Students at the University of North Carolina. AACP Virtual. Summer meeting 2021.
3. Taska D, Harris L, **Shepherd G**. Identification of Opioid-related Emergency Department Visits to Mission Hospital. ASHP 2020 Midyear meeting. Student poster # SP-518
4. D.M. Carpenter, S.L. Mosley, A.K. Dhamanaskar, K.L. Gallegos, **G. Shepherd**, C.A. Roberts. Community Pharmacists' Barriers to Teaching Naloxone Administration. APhA 2019 annual meeting.
5. Jarvi A, Kennedy L, **Shepherd G**, Wilson C. Impact of elective on students' perceptions of treating patients with substance use disorders. ASHP 2018 Midyear meeting.
6. **Shepherd G**. Analysis of 2011 and 2012 Medicare Payments for Poisoning and Toxic Drug Effects. NACCT 2015, San Francisco, CA. (Abstract #4) *Clin Tox.* 2015; 54: 640-41

7. Lookabill SK, McLaughlin JE, **Shepherd G**. Survey Evaluation of Rational and Experiential Decision Making Preferences in Specialists of Poison Information. NACCT 2015, San Francisco, CA. (Abstract #301) Clin Tox. 2015; 54: 777
8. **Shepherd G**, Williams C, Cox W, Mclaughlin J. Impact of Decision Making Style Preference on Advanced Pharmacy Practice Experience Performance. AACP Summer meeting 2014, Grapevine, TX
9. Mclaughlin J, Cox W, Williams C, **Shepherd G**. An Examination of Rational and Experiential Decision Making Among Student Pharmacists. ACCP Fall meeting 2013, Albuquerque, NM
10. Lerner EB , McKee C, Cady C, Colella MR, Cone DC, Cooper A, Coule PL, Lairet J, Liu JM, Pirrallo R, Sasser S, Schwartz RB, **Shepherd G**, and Swienton R. Developing a Functional Gold Standard for Mass Casualty Triage. (Abstract #33) Prehosp EmergCare. 2013; 17: 111
11. **Shepherd G**, Yacoub K, Mohorn P. Adverse Drug Event Deaths in the US 1999-2006. 2010 American Society of Health System Pharmacists Summer meeting; Tampa, Fl.
12. **Shepherd G**, Ferslew B. Homicidal Poisoning Deaths in the US 1999-2005. 2009 European Association of Poison Centres and Clinical Toxicologists (EAPCCT) Meeting; Stockholm, Sweden. (abstract #228) Clin Toxicol. 2009; 49:5.
13. **Shepherd G**. Evaluation of Simulated Contaminants for Use in External Decontamination Training. 2008 NACCT; Toronto Canada. (abstract # 198) Clin Toxicol. 2008; 46(7): 625
14. Roberts E, Beard K, Mar P, **Shepherd G**. Impact of pharmacists collecting medication histories in the emergency department. 2005 American Society of Health System Pharmacists Mid Year Meeting; Las Vegas, NV. (abstract # SP-133)
15. Garrison J, Velez LI, Huddleston WL, **Shepherd G**. Steroid use in Caustic Exposures. 2005 European Association of Poison Centres and Clinical Toxicologists (EAPCCT) Meeting, Berlin, Germany. (abstract #92) Clin Toxicol. 2005; 43(5): 460-461
16. **Shepherd G**. Adverse Effects Associated with Extra Doses of Bupropion. 2004 American College of Clinical Pharmacy Annual Meeting; Dallas, TX. (abstract #6)
17. Gracia R, Hail S, **Shepherd G**. Massive Magnesium Hydroxide Ingestion Requiring Dialysis. 2004 EAPCCT meeting Strausbourg, France. (abstract #223) Clin Toxicol. 2004; 42: 556
18. Gracia R, **Shepherd G**. Rivera W, Keyes D. Prolonged QTc with Massive Valproic Acid Overdose. 2004 EAPCCT meeting Strausbourg, France. (abstract #224) Clin Toxicol. 2004; 42: 557
19. Kenkel JM, Lipschitz AH, **Shepherd G**, Rohrich RJ, Brown SA. Lidocaine, Catecholamine, Electrolyte and Cardiovascular Parameters During Liposuction. 2003 American Society of Aesthetic Plastic Surgery meeting; Boston, MA.
20. Keyes DC, **Shepherd G**, Borys D, Ellis M, Ryan M, Watson WA. Space Shuttle Columbia Disaster: Utilization of Poison Centers. 2003 NACCT Meeting; Chicago Il. (abstract #114)

21. Larkin GL, Velez LI, Zilenski JJ, Rivera W, **Shepherd G**, Fleming S, Keyes, DC. Ethnic Differences in the Home Management of Poisonings. 2003 Society of Academic Emergency Medicine Spring meeting; Jacksonville, FL. *Academic Emergency Medicine*. 2003;10(5):517-8.
22. Rivera W, Velez L, Fleming S, **Shepherd G**, Abron D, Daigle, S. Reporting of Lavage Methodology to a Regional Poison Center. 2003 EAPCCT meeting; Rome, Italy.
23. Larkin GL, Velez LI, Rivera W, **Shepherd G**, Fleming S. Ethnic Differences in the Home Management of Poisonings. 2003 EAPCCT meeting; Rome, Italy.
24. Rivera W, Kleinschmidt KC, Velez LI, **Shepherd G**. Delayed Salicylate Toxicity After a Single Overdose. 2002 NACCT Meeting; Palm Springs CA (abstract #203)
25. Morrison LD, Velez LI, Rivera W, **Shepherd G**. Ocular Exposure to Xylazine HCL Resulting in Hypotension and Bradycardia. 2002 NACCT Meeting; Palm Springs CA (abstract #205)
26. Velez LI, Delaney KA, Rivera W, **Shepherd G**, Benitez FL. Delayed Status Epilepticus After A Sustained Release Bupropion Overdose. 2002 EAPCCT meeting; Lisbon, Portugal. (Abstract # 88)
27. Velez LI, Lynton R, **Shepherd G**, Keyes DC, Benitez FL. Massive Ethylene Glycol Ingestion Treated Without Hemodialysis. 2002 EAPCCT meeting; Lisbon, Portugal. (Abstract # 103)
28. Guzman DD, Teoh D, Velez LI, Rivera W, **Shepherd G**. Accidental Intravenous Infusion Of Golytely In A 4 Year Old Female. 2002 EAPCCT meeting; Lisbon, Portugal. (Abstract # 151)
29. Velez LI, Roth B, **Shepherd G**, Johnson R. Serotonin syndrome with an overdose of Paroxetine: Documented elevated serum Paroxetine levels. 2001 NACCT Meeting; Montreal, Canada. (Abstract #48)
30. Morrison LD, Berumen K, Velez LI, **Shepherd G**, Bey T. Death by quinine. 2001 NACCT Meeting; Montreal, Canada. (Abstract #89)
31. Kulstad E, Velez, LI, Roth B, **Shepherd G**. Inhalational Methanol Poisoning During Pregnancy Treated Twice With Fomepizole. 2001 EAPCCT Meeting; Barcelona, Spain. (Abstract #119)
32. **Shepherd G**, Velez LI, James DK, Keyes DC. Pediatric Bupropion Exposures Reported in Texas During 1998 and 1999. 2001 EAPCCT Meeting; Barcelona, Spain. (Abstract #141 – platform presentation)
33. Yalindag-Ozturk N, Giroir BP, Pena O, **Shepherd G**, and Goto CS. An Open-Label Phase I Trial of TriTab in the Treatment of Cyclic Antidepressant Ingestion in Children. 3rd World Congress on Pediatric Intensive Care; Montreal, Canada. June 28, 2000 (Abstract #785).
34. Watson WA, Hellsten JJ, Fant PM, **Shepherd G**, George DJ. OTC Cough and Cold Medication Abuse is Infrequent and Occurs in Clusters: Poison Centers as a Data Surveillance Method. 2000 NACCT Annual Meeting; Tuscon, Az. (Abstract #70)

35. Guzman DD, Velez LI, **Shepherd G**, Goto CS. Calcium EDTA and DMSA Chelation of a Neonate with Congenital Lead Intoxication. 2000 NACCT Annual Meeting; Tuscon, Az. (Abstract #111)
36. **Shepherd G**, Velez LI, James DK, Keyes DC. Adult Bupropion Exposures Reported in Texas During 1998 and 1999. 2000 NACCT Annual Meeting; Tuscon, Az. (Abstract #170)
37. Velez LI, Shirazi F, **Shepherd G**, Goto CS, Roth B. Severe Toxicity Due to 4-Aminopyridine Ingestion in a Pediatric Patient. 2000 NACCT Annual Meeting; Tuscon, Az. (Abstract #177)
38. **Shepherd G**, Klein-Schwartz W, Anderson BD. Acute Pediatric Brodifacoum Ingestions. 1998 NACCT Annual Meeting; Orlando, Fl. (Abstract # 89)
39. **Shepherd G**, Klein-Schwartz W, Edwards R. Donepezil Overdose, A Ten Fold Dosing Error. 1998 NACCT Annual Meeting; Orlando, Fl. (Abstract # 93)
40. **Shepherd G**, Klein-Schwartz W, Burstein A. Efficacy of the Cation Exchange Resin, Sodium Polystyrene Sulfonate, to Decrease Iron Absorption. 1998 NACCT Annual Meeting; Orlando, Fl. (Abstract #172)
41. **Shepherd G**, Klein-Schwartz W. Adolescent Poisoning Deaths in the US. 1997 NACCT Annual Meeting; Tuscon, Az. (Abstract #136 – platform presentation)
42. **Shepherd G**, Alachi A. Stability of Insulin-Erythrocyte Membrane Complex. 17th Annual Undergraduate Research Seminar August 1995. West Virginia University School of Pharmacy Morgantown, West Virginia
43. **Shepherd G**, Alachi A. Brand vs. Generic Aspirin; Comparison of Dissolution. ASHP Midyear Meeting Miami, Florida 1995

BRIEF COMMUNICATIONS

1. Letter to the editor. Scott MA, McLaughlin J, **Shepherd G**, Williams C, Zeeman J, Joyner PU. Author Response to “Considerations for Determining Perceived Benefits and Challenges of Student Organizations at Pharmacy School Satellite Campuses”. Am J Pharm Ed. 2017; 81 (2): article 40 <http://www.ajpe.org/doi/full/10.5688/ajpe81240>
2. Letter to the editor. **Shepherd G**. Diphenhydramine dose response. Clin. Tox., 2011;49(1):57
3. **Shepherd G**. Review of “Pagliaros’ Comprehensive Guide to Drugs and Substances of Abuse, 2nd edition” Ann Pharmacother. 2009; 43: 2126. DOI 10.1345/aph.1M491
4. Letter to the editor. **Shepherd G**. Don’t Jump the Gun on New Vaccine. Augusta Chronicle. Saturday, March 3rd, 2007.
5. **Shepherd G**. Review of “Poisoning and Overdose, 4th ed.” Am J Pharm Ed. 2004; 68(2):49
6. Letter to the editor. **Shepherd G**, Keyes DC, Borys DJ, Ellis MD, Ryan ML and Watson WA. Space Shuttle Columbia Disaster: Utilization of Poison Control Centers in Texas and Louisiana.

- J. Tox. Clin. Tox., 2004;42(4):389
7. **Shepherd G.** The toxic history of moonshine. *Mithridata*.2003; 13(25): 2-4.
 8. **Shepherd G.** Antidotes for Emergency Departments, Poster. Distributed to Texas hospitals, 2001.
 9. Adverse events associated with ingestion of Gamma-Butyrolactone, Minnesota, New Mexico and Texas, 1998-1999. *Morbidity and Mortality Weekly Report*, 1999;48 (7):137-140
 10. Letter to the editor. Anderson BD, **Shepherd G**, Manoguerra AS. Re: Yew Toxicity Less Than Ipecac. *J. Tox. Clin. Tox.*, 1998;36(7):749-750
 11. Letter to the editor. **Shepherd G.** Re: Endotracheal Flumazenil: a new route of administration for benzodiazepine antagonism. *American Journal of Emergency Medicine*, 1998;16:437
 12. Letter to the editor. **Shepherd G.** Re: Purple Power. *Drug Topics*, July 6, 1998.
 13. Letter to the editor. Anderson BD, **Shepherd G**, Klein-Schwartz W. Re: Outcome of Acetaminophen Overdose in Pediatric Patients and Factors Contributing to Hepatotoxicity. *Journal of Pediatrics*,1998;101:1080
 14. **Shepherd G.** Is irradiated meat safe? *ToxAlert Newsletter*, Maryland Poison Center. July 1998

TEACHING (LAST 5 YEARS)

Fall 2021 PHCY 732 Integrative Pharmacotherapy 2 – Facilitator
Fall 2021 PHCY 504 Evidence Based Practice – Lecturer
Fall 2021 PHCY 836 Substance Use Disorders – Lecturer x2
Spring 2020 PHCY 814 Emergency Preparedness – Coordinator/Primary Instructor
Spring 2020 PHCY 813 Clinical Toxicology – Coordinator/Primary Instructor
Spring 2020 PHCY 510 Clinical Pharmacology 1 – Lecturer
Spring 2020 PHCY 733 Integrative pharmacotherapy 3 – Case author, OSCE evaluator
Spring 2021 PHCY 726 RASP 3 – Mentor for Meghan Petersen
Fall 2020 PHCY 732 Integrative Pharmacotherapy 2 – Facilitator
Fall 2020 PHCY 504 Evidence Based Practice – Lecturer
Fall 2020 PHCY 836 Substance Use Disorders – Lecturer x2
Fall 2020 PHCY 725 RASP 2 – Mentor for Meghan Peterson
Summer 2020 PHCY 805 – Emergency Preparedness – Coordinator/Primary Instructor
Spring 2020 PHCY 814 Emergency Preparedness – Coordinator/Primary Instructor
Spring 2020 PHCY 510 Clinical Pharmacology 1 – Lecturer
Spring 2020 PHCY 733 Integrative pharmacotherapy 3 – Case author, OSCE evaluator
Spring 2020 PHCY 624 RASP 1 – Mentor for Meghan Petersen
Fall 2019 PHCY 732 Integrative Pharmacotherapy 2 – Facilitator, OSCE evaluator
Fall 2019 PHCY 504 Evidence Based Practice – Lecturer
Fall 2019 PHCY441 Immunizations, Asheville sections skill exam
Fall 2019 PHCY 836 Substance Use Disorders – Lecturer x2
Spring 2019 PHCY 814 Emergency Preparedness – Coordinator/Primary Instructor
Spring 2019 PHCY 510 Clinical Pharmacology 1 – Lecturer
Spring 2019 PHCY 718 Patient Care Experience - Facilitator
Spring 2019 PHCY 733 Integrative pharmacotherapy 3 – Case author, OSCE evaluator
Fall 2018 PHCY 732 Integrative pharmacotherapy 2 – Facilitator, OSCE evaluator
Fall 2018 PHCY 504 Evidence Based Practice – Lecturer
Fall 2018 PHCY441 Immunizations, Asheville sections skill exam
Fall 2018 PHCY 836 Substance Use Disorders – Lecturer x2
Spring 2018 PHCY 813 Clinical Toxicology – Coordinator/Primary Instructor
Spring 2018 PHCY 510 Clinical Pharmacology 1 – Lecturer
Spring 2018 PHCY 718 Patient Care Experience - Facilitator
Spring 2018 PHCY 733 Integrative pharmacotherapy 3 – Facilitator, case author, OSCE evaluator
Fall 2017 – PHCY 732 Integrative pharmacotherapy 2 – Facilitator, OSCE evaluator
Spring 2017 – PHCY 814 Disaster Preparedness – Coordinator/Primary Instructor
Spring 2017 – PHCY 631 Integrative pharmacotherapy 1 – Facilitator, case author
Spring 2017 PHCY 510 Clinical Pharmacology 1 – Lecturer
Fall 2016 – PACE 813 Clinical Toxicology– Coordinator/Primary Instructor
Fall 2016 - PHCY441 Immunizations, Asheville sections skill exam
Fall 2016 – PHCY 504 Evidence Based Practice Lecturer
Fall 2016 – PHCY 609 US Health Care system, Lecturer
Spring 2016 – PHCY 432 Pharmacy Law & Ethics, Lecturer
Spring 2016 – PHCY 414 Applied Pharmacokinetics, Lecturer
Spring 2016 – PHCY 450 Problems in Pharmacotherapy, Facilitator
Spring 2016 – PHCY 510 Foundations of Clinical Pharmacology, Lecturer

INVITED PRESENTATIONS

Over 200 invited presentations and continuing education lectures presented regionally, nationally and internationally on topics relating to clinical toxicology, emergency medicine, disaster preparedness and pharmacy.

2021

Rural pharmacy network - COVID-19 vaccine update
UNC Pharmacy Practice Seminar – Addressing COVID-19 vaccine hesitancy
Asheville Summit – COVID 19 Panel Discussion

2020

CIPhER Spring Lightning Rounds
CIPhER Fall Lightning Rounds
MAHEC procrastinator's marathon – Pharmacist's role in disaster response

2019

AACP Interim Meeting – Satellite Campus Experience
AACP Summer meeting – Public Health Partnership Around Disaster Planning
NACCT – Activated Charcoal Guideline Development
ExTRIP II Guideline Conference – Beta blockers
Western Carolina Pharmaceutical Association – Clinical pharmacology of THC and CBD
CIPhER Friday Lightning Rounds - Pyramid Tests Effect on Knowledge Retention

2018

NACCT – Activated Charcoal Systematic Review
UNC Family Day, Asheville Campus – Naloxone Administration
Western Carolina Pharmaceutical Association – Opioids and Naloxone
UNC Alumni Weekend – Opioids and Naloxone

2017

EAPCCT – Activated Charcoal Systematic Review
Western Carolina Pharmaceutical Association – Acetaminophen Overdose
CIPhER Friday – Pyramid Tests

Additional details available upon request

GRANTS & CONTRACTS

- 2018-2019 NC AHEC Campus Innovation grant.
Preparing Residents to Communicate Effectively with Pediatric Patients and Their Parents about Opioids.
\$45,007 Co-investigator – 1% effort
- 2008 – 2011 Clinical service contract between University of Georgia College of Pharmacy and the Medical College of Georgia’s Division of Emergency Medicine 45% salary offset
- 2007 Medication Management – # 08-08-1131
CSRA Regional Development Commission/ Area Agency on Aging
Co-investigator for the Medical College of Georgia \$5,000
- 2007 Disaster Life Support Training – #427-93-07070723-99
Georgia Division of Public Health
Co-investigator for the Medical College of Georgia \$400,000 - 40% effort
- 2005 Disaster Life Support Training – #427-93-05051296-99
Georgia Division of Public Health
Co-investigator for the Medical College of Georgia \$600,000 - 40% effort
- 2005 Multi-center Retrospective Evaluation of Recurrences Associated with Antivenom Therapy for Crotaline Snake Bites. Denver Health and Hospitals – #031539-01
Regional co-investigator \$15,000 - 10% effort
- 2004 Core Disaster Life Support , Decontamination training - #427-93-05050886-99
Georgia Division of Public Health
Co-investigator for the Medical College of Georgia \$300,000 – 40% effort
- 2002 Biennial Poison Center Operation Grant - E14 0001.1
Texas Department of Health, Bureau of Epidemiology \$1,430,000 – 50% effort
- 2001 Poison Control Centers Stabilization and Enhancement Grant - 1H4BMC00018-01-00
U. S. Department of Health and Human Services \$1,750,000 – 50% effort
- 2001 “Antidotes for Emergency Departments” poster. Unrestricted grant from Orphan Medical, Inc. to develop and distribute. \$3000
- 2000 Biennial Poison Center Operation Grant – Grant number 7520891809
Texas Department of Health, Bureau of Epidemiology \$1,430,000 – 50% effort

SERVICE & PROFESSIONAL AFFILIATIONS

2019 – Date	ExTRIP II guideline workgroup https://www.extrip-workgroup.org
2017 – 2020	Chair of the Faculty, UNC Eshelman School of Pharmacy
2012 – 2015	North Carolina State Medical Assistance Team, Mountain Area Trauma Regional Advisory Committee
2011 - 2016	US Environmental Protection Agency. Federal Insecticide, Fungicide and Rodenticide Act Scientific Advisory Panel
2011 – Date	North Carolina Association of Pharmacists
2010	Developed Emergency Preparedness for Pharmacists training program of the Georgia Board of Pharmacy
2009 – 2013	National Disaster Life Support Foundation Educational Consortium
2008 – 2010	International Liaison Committee on Resuscitation, Special Circumstance: Toxicology Workgroup
2007 – 2010	United States Pharmacopoeia, Clinical Toxicology Information Expert Committee. Vice Chairman
2004 – 2010	Student Wellness Committee Co-Chair, University of Georgia, College of Pharmacy
2003	Institute of Medicine, Report on Poison Prevention and Control – Contributor
2003	Grant Reviewer - HRSA 03-099 CFDA 93.996 Bioterrorism Training and Curriculum Development Program
2003 – 2006	Abstract reviewer for the North American Congress of Clinical Toxicology
2002 – date	Toxicological History Society
2002 – 2004	Texas Environmental Health Institute
2001 – date	Pediatrics – Peer reviewer
2000 – date	American Journal of Health-system Pharmacy – Peer reviewer
1999 – date	American Board of Applied Toxicology Board of Directors 2002-2005, 2005-2008 Credentialing committee 2000-2008, Chair 2002-2007
1999 – 2004	Texas Commission on State Emergency Communications Poison Center Coordinating Committee (Chair 2001-2003)

- 1999 – 2004 Pharmacy and Therapeutics Committee, Parkland Health and Hospital System
- 1998 – date Annals of Pharmacotherapy – Editorial board 2003-2013; peer reviewer 1998-date
- 1998 – date American College of Clinical Pharmacy
- 1997 - date American Academy of Clinical Toxicology
Member Board of Trustees 2019- date
EXTRIP II representative 2019 - date
Activated Charcoal Guideline workgroup 2017- 2021
Planning committee 2006-2010
Education Committee 2001-2012 (Co-chair 2006-2010)
- 1997 – 1998 Maryland Migrant Workers Pesticide Taskforce
- 1996 - 2006 American Association of Poison Control Centers
Examination Committee 1997-2004, Co-chair 2002-2004

REFERENCES AVAILABLE UPON REQUEST