

DAVID D. GUMMIN, MD, FACEP, FAACT, FACMT

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Licensure(s) with Date(s):

4/21/2000 - 10/31/2023	Wisconsin Medical License
Application submitted and pending	New Mexico Medical License

Certification(s) with Date(s):

12/2019 – 12/2029	American Board of Emergency Medicine (ABEM)
12/2020 – 12/2030	Medical Toxicology (ABEM)
07/2021	Advanced Hazardous Materials Life Support – Instructor
10/2007	ACEP Medical Director Course
09/1998	U.S. Army Chemical & Biological Casualties Course
07/1997	UHMS Certification Course in Hyperbaric Medicine
06/1992	U.S. Navy Undersea Medical Officer Course

Educational History:

07/1998-06/2000	Fellowship, Medical Toxicology Toxikon Consortium/UIC, Chicago, IL
07/1995-06/1998	Residency, Emergency Medicine Cook County Hospital, Chicago, IL
01/1992-06/1992	Naval Undersea Medical Institute Groton, CT
01/1991-01/1992	Internship, General Surgery National Naval Medical Center, Bethesda, MD
08/1986-12/1990	Doctor of Medicine University of Wisconsin Medical School, Madison, WI
09/1982-05/1986	Bachelor of Science, Chemistry Saint Norbert College, De Pere, WI

Employment History - principal positions since the terminal degree

09/2012-08/2023	Professor, Departments of Emergency Medicine, Pediatrics, Pharmacology and Toxicology
07/2008 – 08/2010	Director of Academic Development Infinity HealthCare, Inc., Milwaukee, WI

2005 – Present Medical Director, Wisconsin Poison Center
 Children’s Hospital of Wisconsin, Milwaukee, WI
 Medical College of Wisconsin, Milwaukee, WI

2003-2007 Clinical Assistant Professor (Adjunct), Department of Health
 Sciences, University of Wisconsin – Milwaukee, Milwaukee, WI

01/2001-12/2010 Clinical Assistant Professor, Departments of Emergency
 Medicine and Pediatrics, Medical College of Wisconsin

2001-2005 Associate Medical Director, Wisconsin Poison Center
 Children’s Hospital of Wisconsin, Milwaukee, WI

07/1998-01/2001 Clinical Instructor, Department of Emergency Medicine
 UIC College of Medicine, Chicago, IL

Employment History - concurrent temporary or visiting appointments, consultantships, etc.

12/2017 - Present Clement J Zablocki VA Hospital, Milwaukee, WI

01/2001 - Present Froedtert Memorial Lutheran Hospital, Milwaukee, WI

11/2000 – Present Froedtert Hospital Menomonee Falls, Menomonee Falls, WI

11/2000 – Present Children’s Hospital of Wisconsin, Milwaukee, WI

07/2000 – Present Froedtert Hospital West Bend, West Bend, WI

Professional recognition, honors, etc. (teaching, research, service)

2022-23 Law-in-Action Scholarship, Academic Merit Scholarship
 UW-Madison School of Law, Madison, WI

2015 Joseph C. Darin Excellence in Teaching Award
 Emergency Medicine, Medical College of Wisconsin

2014 Outstanding Clinical Faculty Award
 Emergency Medicine, Medical College of Wisconsin

2011 Outstanding Clinical Faculty Award
 Emergency Medicine, Medical College of Wisconsin

2010 Best Platform Research Award (Co-investigator)
 Awarded at the North American Congress of Clinical Toxicology

2007 Outstanding Clinical Faculty Award
 Emergency Medicine, Medical College of Wisconsin

2005 Outstanding Clinical Faculty Award
 Emergency Medicine, Medical College of Wisconsin

1998 Resident Research Award
 Cook County Hospital, Department of Emergency Medicine

1995 Meritorious Service Medal, U.S. Navy

1994 Navy Meritorious Unit Commendation, U.S. Navy

1992 Uniform Service Diver Insignia Award, U.S. Navy

1992 Navy and Marine Corps Achievement Medal, U.S. Navy

1990 National Defense Service Medal, U.S. Navy

1989 Alpha Omega Alpha National Honor Society – Junior Year

1988-90 Ralph M. Waters Medical Scholarship

1987 Rasey Medical Scholarship for Academic Excellence

1984 Delta Epsilon Sigma National Scholastic Honor Society

Memberships in Professional Societies

American College of Emergency Physicians (ACEP) - Fellow
American Academy of Clinical Toxicology (AACT) - Fellow
American College of Medical Toxicology (ACMT) - Fellow
Society for Academic Emergency Medicine (SAEM)
Alpha Omega Alpha (AOA) – Lifetime Member
Society of Forensic Toxicologists (SOFT)
The International Association of Forensic Toxicologists (TIAFT)
American Chemical Society, Division of Chemical Toxicology

Extramural Professional Activities

2017 – Present Journal of Pediatrics – Editorial Reviewer
2015 – Present Clinical Toxicology – Editorial Reviewer
2010 – 2015 North American Congress of Clinical Toxicology Abstracts
2009 – 2015 National Poison Data System – Fatality Abstract Reviewer
2005 – Present Journal of Medical Toxicology – Editorial Reviewer
1998 – 2005 Pediatric Critical Care Medicine – Editorial Reviewer
1998 – 2005 Critical Care Medicine – Editorial Reviewer

Invited lectures

10/2020 Standards of Evidence in Forensic Toxicology. Law & Forensic Science course. University of Wisconsin Law School, Virtual
09/2020 Gummin, DD, Rumack, BH, Brooks, DE, Weber, JA. The foundation of NPDS, presentation to the US FDA NPDS User Group, Virtual
06/2020 Synthetic and Club Drugs, Grand Rounds in Addiction Psychiatry, MCW Department of Psychiatry, Milwaukee, WI
11/2019 Petska H, Peterson B, Gummin DD. Drug Endangered Children, Pediatrics Grand Rounds, Children’s Wisconsin, Milwaukee, WI
09/2019 Weaponized Fentanyl, Midwest Toxicology Collaborative, Milwaukee, WI
03/2019 Environmental Hazards of Potent Opioids and Implications for National Defense, 17th Medical Chemical Defense Conference, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Federal Republic of Germany
02/2019 The Fentanyl Hype, 2019 WAHMR HAZMAT Response Conference, Stevens Point, WI
11/2018 Demystifying Toxicology: When the Cause isn’t the Cause State Public Defenders’ Annual Criminal Defense Conference Hyatt Regency, Milwaukee, WI
10/2018 Considerations for the Expert Witness, Midwest Toxicology collaborative, Milwaukee, WI
02/2018 Considerations for the Expert Witness, Midwest Toxicology Collaborative, Milwaukee, WI
02/2014 Poison Center Member Sponsor Organizations Wisconsin Hospital Association, Fitchburg, WI
11/2013 Wisconsin Poison Center Member Network Milwaukee Healthcare Partnership Council, Milwaukee, WI

10/2013 Poison Center Collaborative Investigation
Wisconsin State Laboratory of Hygiene (WSLH), Madison, WI

03/2012 Trends in Poison Center Utilization, AAPCC Midyear meeting,
Tampa, FL

10/2011 Thrills, Pills, and Skills, sponsored by the Wisconsin Chapter,
Emergency Nurses Association, Wisconsin Dells, WI

10/2011 Emerging Drugs of Abuse at the Frontline Series on Addiction
Sponsored by the Huiras Center, Milwaukee, WI

Committees chaired

2020 – 2023 Chair, NPDS Annual Report Committee
American Association of Poison Control Centers

2016 – Present Chair, Midwest Toxicology Collaborative

2016 – 2018 Chair, NPDS Steering Committee

2010 – 2012 Chair, Poison Center Utilization Task Force
American Association of Poison Control Centers

2005 – 2006 Chair, Midwest Regional Poison Interest Group

2005 - 2008 Chair, Emergency Department Administrative Committee
Calumet Medical Center, Chilton, WI

Military Service

01/1994 – 07/1995 Department Head, Diving and Environmental Physiology

07/1992 – 01/1994 Division Head, Health Monitoring Division

06/1992 – 07/1995 U.S. Naval Medical Research Institute, Bethesda, MD

12/1990 – 02/1990 U.S. Naval Reserve – Medical Corps

Community Service:

Boy Scouts of America, Potawatomi Area Council, Troop 156

2007 – 2008 Troop Committee Member

2008 – 2012 Troop Committee Chairman

2010 – 2015 Chartered Organization Representative

Stars and Stripes Honors Flight for Military Veterans

2019 – Present Volunteer Physician

Scholarly achievements:

Peer Reviewed Workshops/Presentations:

09/19 Moderator, Novichok Nerve Agents Symposium, North American
Congress of Clinical Toxicology, Nashville, TN

10/2012 Poison Center Consultation and hospital length of stay, co-
investigator. North American Congress of Clinical Toxicology,
Las Vegas, NV

10/2010 Poison Center consultation decreases hospital length of stay and
inpatient charges. Best platform award, co-investigator.
North American Congress of Clinical Toxicology, Denver, CO

Refereed Journal Publications/Original Papers

1. **GUMMIN DD**, Ratilla EMA, Kostic NM. Variable-temperature ^{195}Pt NMR spectroscopy, a new technique for the Study of stereodynamics. Sulfur inversion in a platinum (II) complex with methionine. *Inorganic Chemistry*. 1986; 25(14):2429-2433.
2. Lillo RS, Ruby A, **GUMMIN DD**, Porter WR, Caldwell JM. Chemical safety of U.S. Navy fleet soda lime. *Undersea Hyperb Med*. 1996; 23(1):43-53.
3. Spadafora M, **GUMMIN DD**, Cichon ME, Smith SE, Kohn A. Fatal sodium azide intoxication. *Int J Med Toxicol* 2000; 3(3): 18-20.
4. Hodge CH, Jewell M, **GUMMIN DD**, Leikin JB. Atypical presentation of risperidone toxicity. *Vet Hum Toxicol*. 2001; 43(6):339-341.
5. Stephanopoulos DE, Willman DA, Shevlin D, Pinter L, **GUMMIN DD**. Treatment and toxicokinetics of acute pediatric arsenic ingestion: Danger of arsenic insecticides in children. *Pediatr Crit Care Med*. 2002; 3:74-80.
6. **GUMMIN DD**, Stremski ES. Healthcare utilization for unintentional poisoning. *WMJ*. 2005; 104(8):8-9.
7. Warrick BJ, Hill M, Hekman K, Christensen R, Goetz R, Casavant MJ, Wahl M, Mowry JB, Spiller H, Anderson D, Aleguas A, **GUMMIN D**, Thomas R, Nezlek C, Smolinske S. A 9-state analysis of designer stimulant, "bath salt," hospital visits reported to poison control centers. *Ann Emerg Med*. 2013 Sep;62(3):244-51.
8. Borys D, Stanton M, **GUMMIN D**, Drott T. Tapentadol toxicity in children. *Pediatrics*. 2015 Feb;135(2):e392-6.
9. Weiss D, Tomasallo CD, Meiman JG, Creswell PD, Melstrom PC, **GUMMIN DD**, Patel DJ, Michaud NT, Sebero HA, Anderson HA. Electronic cigarette exposure: calls to Wisconsin poison control centers, 2010–2015. *WMJ*. 2016; 115(6):306-310.
10. Moeller JR, **GUMMIN DD**, Nelson TJ, Drendel AL, Shah BK, Berger S. Risk of Ventricular arrhythmias association with ondansetron. *J Pediatr*. 2016; 179:118-123.
11. **GUMMIN DD**, Moeller JR, Drendel AL. Authors' reply. *J Pediatr*. 2017; 188:312-313.
12. **GUMMIN DD**, Mowry JB, Spyker DA, Brooks DE, Fraser MO, Banner W. 2016 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 34th Annual Report. *Clin Toxicol (Phila)*. 2017 Dec;55(10):1072-1252.
13. **GUMMIN DD**, Mowry JB, Spyker DA, Brooks DE, Osterhaler KM, Banner W. 2017 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 35th Annual Report. *Clin Toxicol (Phila)*. 2018 Dec;56(12):1-203.

14. Feldman R, Stanton M, Borys D, Kostic M, **GUMMIN D**. Medical outcomes of bromethalin rodenticide exposures reported to US poison centers after federal restriction of anticoagulants. *Clin Toxicol (Phila)*. 2019 Mar 20:1-6.
15. **GUMMIN DD**, Mowry JB, Spyker DA, Brooks DE, Beuhler MC, Rivers LJ, Hashem HA, Ryan ML. 2018 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 36th Annual Report. *Clin Toxicol (Phila)*. 2019 Dec;57(12):1220-1413.
16. **GUMMIN DD**. Potent opioids and implications for national defense. *Toxicol Lett*. 2020 Mar 15;321:90-94.
17. Feldman R, Meiman J, Stanton M, **GUMMIN DD**. Culprit or correlate? An application of the Bradford Hill criteria to Vitamin E acetate. *Arch Toxicol*. 2020 Jun;94(6):2249-2254.
18. **GUMMIN DD**, Mowry JB, Beuhler MC, Spyker DA, Brooks DE, Dibert KW, Rivers LJ, Pham NPT, Ryan ML. 2019 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 37th Annual Report. *Clin Toxicol (Phila)*. 2020 58(12):1360-1541.
19. Theobald JL, Kostic M, Stanton M, **GUMMIN D**. Trioxane ingestion in a child. *Wilderness Environ Med*. 2020 Sep;31(3):350-353.
20. **GUMMIN DD**, Mowry JB, Beuhler MC, Spyker DA, Bronstein AC, Rivers LJ, Pham NPT, Weber J. 2020 Annual Report of the American Association of Poison Control Centers' National Poison Data System (NPDS): 38th Annual Report. *Clin Toxicol (Phila)*. 2021 Dec;59(12):1282-1501.
21. Stanton M, Mellesmoen J, **GUMMIN D**. Supratherapeutic digoxin concentrations after second trimester termination of pregnancy. *Clin Toxicol (Phila)*. 2022 Jun;60(6):778-9.
22. Farkas A, Kostic M, Huang CC, **GUMMIN D**. Poison center consultation reduces hospital length of stay. *Clin Toxicol (Phila)*. 2022 Jul;60(7):863-8.
23. Wells L, Stanton M, **GUMMIN DD**, Brooks M, Feldman R. Hemodialysis enhances elimination of ethosuximide in massive overdose. *Clin Toxicol(Phila.)* 2022 Sep; 60(9):1078-9.
24. **GUMMIN DD**, Mowry JB, Beuhler MC, Spyker DA, Rivers LJ, Feldman R, Brown K, Pham NPT, Bronstein AC, Weber J. 2021 Annual Report of the National Poison Data System[®] (NPDS) from America's Poison Centers: 39th Annual Report. *Clin Toxicol (Phila)*. 2022 Dec;60(12):1381-1643.
25. Stanton M, Feldman R, **GUMMIN D**. Excess baggage in describing acetylcysteine regimens. *Clin Toxicol(Phila.)* 2022 Dec 9:1.

26. Sonnenberg T, Stanton M, Shwerin A, Goulet C, Habet M, Kostic M, **GUMMIN D**. Characterization of Emergency Department Poisoning Epidemiology in Belize. *BJM*. 2022; 11(2): 19-22.
27. DeJonge P, **GUMMIN D**, Titelbaum N, Meiman J, Description of kratom exposure events in Wisconsin as reported to the Wisconsin Poison Center. *WMJ*. 2023; 122(3): 1-12.

Books, Chapters & Reviews

1. **GUMMIN DD**, Finke B, Reuben JB: Opioids. Ling LJ, Clark RF, Erickson TB et al (Eds) *Toxicology Secrets*. Philadelphia: Hanley & Belfus, Inc.; 2001, 105-108.
2. Geller RJ, Dorevitch S, **GUMMIN DD**: Air and Water Pollution. Ling LJ, Clark RF, Eirckson TB, et al (Eds) *Toxicology Secrets*. Philadelphia: Hanley & Belfus, Inc., 2001, 237-244.
3. Hantsch CE, **GUMMIN DD**: Opioids. Marx JA, Hockberger RS, Walls RM, et al (Eds) *Rosen's Emergency Medicine: Concepts and Clinical Practice, 5th Edition*. St. Louis: Mosby, Inc.; 2002, 2180-2186.
4. **GUMMIN DD**, Hryhorczuk DO: Hydrocarbons. Goldfrank LR, Flomenbaum NE, Lewin NA, et al (Eds) *Goldfrank's Toxicologic Emergencies, 7th Edition*. New York: The McGraw-Hill Companies; 2002, 1303-1322.
5. **GUMMIN DD**: Gastric Lavage. Reichman EF, Simon RR (Eds) *Emergency Medicine Procedures*. New York: McGraw-Hill; 2003, 424-430.
6. **GUMMIN DD**, Aks SE: Whole Bowel Irrigation. Reichman EF, Simon RR (Eds) *Emergency Medicine Procedures*. New York: McGraw-Hill; 2003, 431-435.
7. **GUMMIN DD**, Aks SE: Cocaine. Erickson TB, Ahrens WR, Aks SE, et al (Eds) *Pediatric Toxicology: Diagnosis and Management of the Poisoned Child*. New York: McGraw-Hill; 2005, 392-397.
8. Stremski ES, **GUMMIN DD**: Amphetamines. Erickson TB, Ahrens WR, Aks SE, et al (Eds) *Pediatric Toxicology: Diagnosis and Management of the Poisoned Child*. New York: McGraw-Hill; 2005, 375-382.
9. **GUMMIN DD**, Hryhorczuk DO: Hydrocarbons. Flomenbaum NE, Goldfrank LR, Hoffman RS, et al (Eds) *Goldfrank's Toxicologic Emergencies, 8th Edition*. New York: McGraw-Hill; 2006, 1429-1446.
10. Drendel A, **GUMMIN DD**: Special Populations: Pediatrics. Leikin JB, McFee RB (Eds) *Toxico-terrorism*. New York: McGraw-Hill; 2007, 117-121.

11. Powers M, **GUMMIN DD**: Flammable Industrial Liquids and Gases. Leikin JB, McFee RB (Eds) *Toxico-terrorism*. New York: McGraw-Hill Companies; 2007, 273-278.
12. **GUMMIN DD**: Hydrocarbons. Adams JG, Barton ED, Collings J, et al (Eds) *Emergency Medicine*. Philadelphia: Saunders; 2008, 1597-1606.
13. **GUMMIN DD**: Hydrocarbons. Nelson LS, Lewin NA, Howland MA, et al (Eds) *Goldfrank's Toxicologic Emergencies, 9th Edition*. New York: McGraw-Hill Companies; 2010, 1386-1399.
14. **GUMMIN DD**: Hydrocarbons. Adams JG, Barton ED, Collings J, et al (Eds) *Emergency Medicine*. Philadelphia: Elsevier; 2013, 1299-1307.
15. **GUMMIN DD**: Hydrocarbons. Hoffmann RS, Howland MA, Lewin NA, et al (Eds) *Goldfrank's Toxicologic Emergencies, 10th Edition*. New York: McGraw-Hill Education; 2015, 1386-1399.
16. Riggan MAA and **GUMMIN DD**: Hydrocarbons. Nelson LSS, Howland MA, Lewin NA, et al (Eds) *Goldfrank's Toxicologic Emergencies, 11th Edition*. New York: McGraw-Hill Education; 2019, 1409-1419.

Original research or scholarly articles in refereed journals:

1. **GUMMIN DD**, Doubt TJ, Thorp JW. Use of Desmopressin (DDAVP) in immersion diuresis. *Experimental Biology* April 1994; 24-28.
2. Lehner CE, Ball R, Lanphier EH, **GUMMIN DD**, Nordheim EV, Crump PM. Dive profiles control the manifestations of decompression injury in diving. *Undersea and Hyperbaric Medicine* 1995; 22(Suppl):36-37.
3. Survanshi S, Parker EC, **GUMMIN DD**, Isakov AP, Thalmann ED, Homer LD. Dry decompression procedure using oxygen for USN special operations. *Undersea and Hyperbaric Medicine* 1995; 22(Suppl):66.
4. Survanshi S, Parker EC, Massell PB, Isakov A, Nyquist P, **GUMMIN DD**, Flynn ET, Homer LD, Ball R. Dive trial for decompression table development: 1.3 ata PO₂ in helium. *Undersea and Hyperbaric Medicine* 1997; 24(Suppl):22.
5. **GUMMIN DD**, Butler JR, Roberts RR, Erickson TB. Utilization of an emergency department observation unit for acute intoxications. *J Toxicol Clin Toxicol* 1999; 37(5):586.
6. Prachand N, Krantz A, Franklin C, **GUMMIN D**, Hryhorczuk D, Hershow R. Severe asthma associated with heroin insufflation. *J Toxicol Clin Toxicol* 1999; 37(5):646.
7. **GUMMIN DD**, Lee MS, Stein-Spencer L, Lee TE, Glushak C, Aks SE. Emergency department preparedness for chemical, radiologic or biological casualties. *J Toxicol Clin Toxicol* 1999; 37(5):660.

8. **GUMMIN DD**, MacAlister J, Badrov N, Baum C, Hryhorczuk DO. Acrodynia and asthma in adolescence. *J Toxicol Clin Toxicol* 2001; 39(5):555-556.
9. Wiger K, **GUMMIN DD**. Ibuprofen-induced acidosis and coma. *J Toxicol Clin Toxicol* 2002; 40(5):691.
10. Travis AD, **GUMMIN DD**. Monkshood-induced dysrhythmia treated with magnesium. *J Toxicol Clin Toxicol* 2002; 40(5):646.
11. Stremski E, Kostecki E, **GUMMIN DD**. Delayed presentation of methanol ingestion leading to cerebral herniation and fatality in three of four severe cases. *J Toxicol Clin Toxicol* 2003; 41(5):643.
12. Tobin AA, Little C, Schneider RJ, Thompson VM, Jannetto PJ, Wong SH, **GUMMIN DD**. Pharmacogenomic evaluation of a pediatric dextromethorphan fatality following cold medication therapy: the role of cytochrome P450 2D6 polymorphisms. *The FASEB Journal* 2008; 22:1134-1136.
13. Hashikawa AN, Kostic MA, **GUMMIN DD**. Pediatric hypertensive encephalopathy after abrupt withdrawal of guanfacine. *Clin Toxicol (Phila.)* 2008; 46(7):616.
14. Kostic MA, **GUMMIN DD**. Persistent cerebral edema and death after hemodialysis for chronic salicylism. *Clin Toxicol (Phila.)* 2008; 46(7):640.
15. Rohde LL, **GUMMIN DD**, Kostic MA. Central nervous toxicity after ingestion of tea tree oil. *Clin Toxicol (Phila.)* 2009; 47(7):714.
16. Meehan T, **GUMMIN D**, Kostic M, Cattapan S, Waghay R, Bryant S. Beta blocker toxicity successfully treated with intravenous fat emulsion: a case series. *Clin. Toxicol (Phila.)* 2009; 47:735.
17. Kostic MA, Pan CG, Leikin JB, **GUMMIN DD**. Critical valproate toxicity reversed with hemodialysis in a toddler. *Clin Toxicol (Phila.)* 2010; 48(6):606.
18. Kostic MA, **GUMMIN DD**. ED referral is unnecessary after unintentional pediatric ingestion of common topical liniments. *Clin Toxicol (Phila.)* 2010; 48(6):653.
19. Warrick B, Hill M, Lehr B, Mowry J, **GUMMIN DD**, Anderson D, Wahl M, Goetz R, Smolinske S. A review of bath salt exposures reported to six regional poison centers. *Clin Toxicol (Phila.)* 2011; 49:567.
20. Spyker DA, **GUMMIN D**, Spiller H, Bronstein AC. Population adjustment for US poison center call volume changes: 2000–2010. *Clin Toxicol (Phila.)* 2012; 50(7):617.
21. Kostic MA, **GUMMIN DD**. Outcome analysis of exposures to methylsalicylate-containing liniments. *Clin Toxicol (Phila.)* 2012; 50(7):639.

22. Moeller JR, **GUMMIN DD**, Drendel AL, Nelson TJ, Pacheco-Shah BK, Berger S. A retrospective chart review of ondansetron usage and the incidence of malignant tachyarrhythmias, including Torsades de Pointes, at a pediatric tertiary care hospital. 21st Annual Emergency Medicine Research Forum. Medical College of Wisconsin. April 2013.
23. Welker KL, Kostic MA, **GUMMIN DD**. Characterization of deaths and major outcomes from sodium salt ingestions reported to us poison centers. *Clin Toxicol (Phila.)* 2013; 51(7):634.
24. Zosel A, Robers C, **GUMMIN D**. Geriatric poisonings called to a regional poison center. *Clin Toxicol (Phila.)* 2013; 51(7):648-9.
25. Zhang M, Szabo A, **GUMMIN DD**, Zosel AE. Positive association between ondansetron and significant cardiac events in adult and elderly hospitalized patients. *Clin Toxicol (Phila.)* 2014; 52(7):683.
26. Mellesmoen J, Borys D, **GUMMIN DD**, Kostic MA. Toxicity from Thuja occidentalis ingestion. *Clin Toxicol (Phila.)* 2014; 52(7):738.
27. Stanton M, Drott T, **GUMMIN D**, Borys D. A review of tapentadol exposures in adult patients as reported to U.S. poison centers. *Clin Toxicol (Phila.)* 2014; 52(7):797.
28. Welker KL, Stenberg JC, Kostic MA, **GUMMIN DD**. Outcome of unintentional exposures to diethylene glycol. *Clin Toxicol (Phila.)* 2014; 52(7):800
29. Drott T, Borys D, Stanton M, **GUMMIN D**. A descriptive review of tapentadol toxicity in children. *Clin Toxicol (Phila.)* 2014; 52(7):802.
30. Zosel A, Biggs A, Stanton M, **GUMMIN D**. Novel use of ertapenem to intentionally decrease serum valproate concentration after an intentional overdose of valproate resulting in toxicity. *Clin Toxicol (Phila.)* 2015; 53(7):688-9.
31. Zosel A, Stanton M, Klager A, **GUMMIN D**. Death following ingestion of Clitocybe species mushroom. *Clin Toxicol (Phila.)* 2015; 53(7):735.
32. Mcelhatton T, Laubach E, Borys D, **GUMMIN D**. Clinical Effects and Outcomes Following Lorcaserin Ingestion. *Clin Toxicol (Phila.)* 2015; 53(7):756.
33. Mellesmoen J, **GUMMIN DD**. Toxicity from Intraperitoneal Injection of Digoxin. *Clin Toxicol (Phila.)* 2015; 53(7):758.
34. Theobald J, Stanton M, Kostic M, **GUMMIN D**. Gimme Fuel, Gimme Fire: Trioxane Ingestion in a Toddler. *Clin Toxicol (Phila.)* 2016; 54(8):693.
35. Feldman R, Stanton M, Borys D, Kostic M, **GUMMIN D**. Bromethalin Rodenticide Exposures Reported to US Poison Centers. *Clin Toxicol (Phila.)* 2016; 54(8):696.

36. **GUMMIN D**, Kostic M, Stanton M, Schabold J. A Liver's Rise and Fall with Changes in NAC Dosing. *Clin Toxicol (Phila.)* 2016; 54(8):754.
37. Pegelow E, Borys D, **GUMMIN D**, Laubach E. Clinical Toxicity following Suvorexant Ingestion. *Clin Toxicol (Phila.)* 2016; 54(8):759-760.
38. Stanton M, Pillai N, **GUMMIN D**. Prolonged sedation and QTc prolongation after unintentional overdose of ondansetron by a toddler. *Clin Toxicol (Phila.)* 2016; 54(8):764.
39. Ewert K, Theobald J, Kim M, Stanton M, Kostic M, **GUMMIN D**. Massive dosing error of iron dextran in a newborn. *Clin Toxicol (Phila.)* 2017; 55(7):701.
40. Neeno J, Kostic M, **GUMMIN D**, Zosel A. Poison center adherence to American College of Medical Toxicology guidance on management priorities in salicylate toxicity. Correction to: North American Congress of Clinical Toxicology (NACCT) Abstracts 2017. *Clin Toxicol (Phila.)* 2017; 55(9):1024.
41. Feldman R, **GUMMIN D**. Increase in Palytoxin Exposures Reported to US Poison Centers. *Clin Toxicol (Phila.)* 2018; 56(9):123.
42. Stanton M, Borys D, Zosel A, Kostic M, **GUMMIN D**. Outcome of Amiodarone Exposures Reported to US Poison Centers. *Clin Toxicol (Phila.)* 2018; 56(9):130.
43. Brenner M, Zosel A, Feldman R, Stanton M, Borys D, **GUMMIN DD**. Association of Hyperglycemia with Calcium Channel Blocker Exposures Reported to United States Poison Centers. *Clin Toxicol (Phila.)* 2019; 57(10):885.
44. Weiss A, Deede J, Stanton MA, **GUMMIN DD**. Chronic Bromide Toxicity Superimposed on Ethanol Withdrawal Syndrome. *Clin Toxicol (Phila.)* 2019; 57(10):929.
45. Brenner M, Zosel A, Stanton M, **GUMMIN DD**. An Unusual Case of Severe Pediatric Acetaminophen Overdose Treated with Increased Dose N-acetylcysteine. *Clin Toxicol (Phila.)* 2019; 57(10):997.
46. Schwerin A, Gouleta C, Sonnenberg T, Stanton M, Habet M, Kostic M, **GUMMIN D**, Zosel A. Characterization of Emergency Department Poisoning Epidemiology in Belize. *Clin Toxicol (Phila.)* 2019; 57(10):1042.
47. **GUMMIN D**, Kostic M. Poison center consultation is associated with reduced hospital length of stay and charges. *Clin Toxicol (Phila.)* 2020; 58(10):12.
48. Richardson K, Feldman R, Stanton M, Zosel A, **GUMMIN D**. Characterization of Nebivolol Exposures Reported to U.S. Poison Centers. *Clin Toxicol (Phila.)* 2020; 58(10):139.

49. Patullo L, Stanton M, Veitlae V, Spaulding S, **GUMMIN D**. Intentional use of hemodialysis to remove baclofen in overdose. *Clin Toxicol (Phila.)* 2021; 59(10):75-76.
50. Wells L, Stanton M, **GUMMIN D**, Brooks M, Feldman R. Hemodialysis enhances elimination of ethosuximide in massive overdose. *Clin Toxicol (Phila.)* 2022; 60(S2):101.
51. Kenzie M, Corcoran J, Feldman R, Stanton M, **GUMMIN D**. Thai green pit viper antivenom to treat *Trimeresurus insularis* envenomation. *Clin Toxicol (Phila.)* 2022; 60(S2):139-40.
52. Idowu D, Stanton M, **GUMMIN DD**. A Case of Severe Lead Encephalopathy With Cardiac Arrest Managed During A Chelation Shortage. *Clin Toxicol (Phila.)* 2023; Accepted 21 June 2023.

Non-refereed Journal Publications/Original Papers

1. Lillo RS, Ruby A, **GUMMIN DD**, Porter WR, Caldwell JM. Analysis of Volatile Contaminants in US Navy Fleet Soda Lime. NMRI Technical Report No. 95-39, Naval Medical Research Institute, Bethesda, MD; 1995.
2. Lillo RS, Ruby A, **GUMMIN DD**, Porter WR, Caldwell JM. Interim Contaminant Limits and Testing Procedures for US Navy Fleet Soda Lime. NMRI Technical Report No. 95-02, Naval Medical Research Institute, Bethesda, MD; 1995.
3. Lehner CE, Ball R, **GUMMIN DD**, Lanphier EH, Nordheim EV, Crump PM. Large Animal Model of Human Decompression Sickness: Sheep Database and Preliminary Analysis. NMRI Technical Report No. 97-02, Naval Medical Research Institute, Bethesda, MD; 1997.
4. Survanshi S, Parker EC, **GUMMIN DD**, Flynn ET, Toner CB, Temple DJ, Ball R, Homer LD. Human Decompression Trial with 1.3 ata Oxygen in Helium. NMRI Technical Report No. 98-09, Naval Medical Research Institute, Bethesda, MD; 1998.
5. **GUMMIN DD**. Body Composition Analysis in U.S. Navy Divers. NMRC Technical Report No. 01-01, Naval Medical Research Center, Silver Spring, MD; 2001.
6. Stanton M, Kostic M, Theobald J, Zosel A, **GUMMIN D**. Wisconsin poison center intravenous n-acetylcysteine recommendations in acetaminophen toxicity. *J Pharm Soc Wis.* 2018;21(3):49-51.

Non-peer Reviewed Educational Products

2023

GUMMIN DD. Toxic... Not Just Torts.

Forensic Justice Institute 2023, OnDemand Webcast

Wisconsin Bar Association

https://www.wisbar.org/ProfilePage/Pages/myMedia_Webcasts.aspx

- 2006 **GUMMIN DD.** Methamphetamine.
Midwest Regional Poison Interest Group online CME Course
<http://cme.mnpoison.org/index.asp>
- 2004 **GUMMIN DD.** Cholinergic Syndrome. Children’s Health Alliance
CME Module
http://www.chawisconsin.org/traumapreparedness_flash.htm

Invited Appearances in Media:

- 9/2/2021 **GUMMIN DD.** Senator Ron Johnson doubles down on unproven early COVID-19 treatments, including ivermectin, with Riley Vetterkind.
https://madison.com/wsj/news/local/govt-and-politics/us-sen-ron-johnson-doubles-down-on-unproven-early-covid-19-treatments-including-ivermectin/article_22d17b96-3b26-5a6b-a1e7-a778dde40893.html
- 8/31/2021 **GUMMIN DD.** Wisconsin health professionals push back against advice on drug not approved for COVID-19 prevention, treatment. Wisconsin Public Radio, Milwaukee, with Shamane Mills.
<https://www.wpr.org/wisconsin-health-professionals-push-back-against-advice-drug-not-approved-covid-19-prevention>
- 8/24/2021 **GUMMIN DD.** FDA’s Ivermectin Warning, with Jason Fechner.
<https://spectrumnews1.com/wi/milwaukee/news/2021/08/24/doctors-warn-against-livestock-drug-as-covid-19-treatment>
- 8/24/2021 **GUMMIN DD.** Wisconsin doctors asking people to stop taking animal drug to treat covid-19 at home, with Melissa Zygowicz.
<https://www.cbs58.com/news/wisconsin-doctors-asking-people-to-stop-taking-animal-drug-to-treat-covid-19-at-home>
- 10/14/2020 **GUMMIN DD.** COVID-19 cleaning in schools: is it doing more harm than good? with Stephanie Grady.
<https://www.fox6now.com/news/covid-19-cleaning-in-schools-is-it-doing-more-harm-than-good>
- 8/19/2020 **GUMMIN DD.** Hand sanitizers and going back to school. Fox-6 TV News with Stephanie Grady.
<https://www.fox6now.com/> [Specific Link Expired]
- 8/4/2020 **GUMMIN DD.** State poison center, health officials issue warning about certain hand sanitizers, with Stephanie Fryer.
https://www.channel3000.com/news/coronavirus/state-poison-center-health-officials-issue-warning-about-certain-hand-sanitizers/article_f81486ed-ad0d-55f2-805d-b5e528935dd8.html

- 8/4/2020 **GUMMIN DD.** State poison center issues warning about toxic hand sanitizers. WKOW TV with Chip O'Brien.
https://www.wxow.com/news/health/state-poison-center-issues-warning-about-toxic-hand-sanitizers/article_ea359e1e-b0ae-5708-8e2f-04d7b152b78f.html
- 4/24/2020 **GUMMIN DD.** As coronavirus spreads, poison hotlines see rise in accidents with cleaning products, with David Waldstein.
<https://www.nytimes.com/2020/04/21/health/coronavirus-poison-hotlines-rise-in-accidents-disinfectants.html>
- 8/19/2019 **GUMMIN DD.** Blaming breathing problems on vaping is like blaming food poisoning on eating, with Jacob Sullum.
<https://reason.com/2019/08/19/blaming-breathing-problems-on-vaping-is-like-blaming-food-poisoning-on-eating/>
- 8/19/2019 **GUMMIN DD.** CDC Warns on Lung Diseases Linked to Vaping, with Angela Betsaida B. Laguipo.
<https://www.news-medical.net/news/20190819/CDC-warns-on-lung-diseases-linked-to-vaping.aspx>
- 8/15/2019 **GUMMIN DD.** Dozens of Midwest Teens Who Reported Vaping Hospitalized with 'Severe Lung Injury,' Breathing Problems.
<https://hottrendingnews.com/> [Specific Link Expired]
- 8/15/2019 **GUMMIN DD.** Doctors Suspect Vaping Is Linked to Dozens of Lung Illnesses in Teens Who Had to Be Hospitalized.
<https://kffhealthnews.org/morning-breakout/doctors-suspect-vaping-is-linked-to-dozens-of-lung-illnesses-in-teens-who-had-to-be-hospitalized/>
- 8/14/2019 **GUMMIN DD.** Dozens of Young People Hospitalized for breathing and lung problems after vaping, with Shelia Kaplan.
<https://www.nytimes.com/2019/08/14/health/vaping-marijuana-e-cigarettes.html> 8/14/19
- 6/20/2019 **GUMMIN DD.** Tainted alcohol and recent deaths in the Dominican Republic. WTMJ Radio, Milwaukee.
<https://wtmj.com/> [Specific Link Expired]
- 7/16/2018 **GUMMIN DD.** Wisconsin AG warns public about dangers of synthetic marijuana; "Chemicals produced by criminals", with Kasey Chronis.
<https://www.fox6now.com/news/wisconsin-ag-warns-public-about-dangers-of-synthetic-marijuana-chemicals-produced-by-criminals>

- 6/1/2014 **GUMMIN DD.** EPA stops popular rat poison manufacturer.
<https://www.medicaldaily.com/epa-stops-popular-rat-poison-manufacturer-285860>
- 5/31/2014 **GUMMIN DD.** Reckitt Benckiser will reduce potency of D-Con, with Serena Ng.
<https://www.marketwatch.com/story/reckitt-benckiser-will-reduce-potency-of-d-con-2014-05-31>
- 10/16/2013 **GUMMIN DD.** In the grip of heroin Part 5: Painkillers often are the gateway to heroin addiction, with Ann-Elise Henzl.
<https://www.wuwm.com/regional/2013-10-16/in-the-grip-of-heroin-part-5-painkillers-often-are-gateway-to-heroin-addiction>
- 4/25/2012 **GUMMIN DD.** Parents concerned over teens drinking hand sanitizer, for WISN TV 12 (ABC, Milwaukee).
<https://www.wisn.com/article/parents-concerned-over-teens-drinking-hand-sanitizer-1/6309337#>
- 11/21/2011 **GUMMIN DD.** At issue: should drugs mephedrone and MDPV be banned? with Dan Simmons.
https://madison.com/wsj/news/local/govt-and-politics/at-issue-should-drugs-mephedrone-and-mdpv-be-banned/article_1a779708-67bc-11e0-b989-001cc4c002e0.html

Current Grant and Contract Funding

Title: HRSA-19-048 – Poison Center Network
 Principle Investigator / Project Director
 Source: DHHS (HRSA)
 Dates: September 1, 2019 – August 31, 2024
 Award Amount: \$1,927,628

Title: Assessment of ‘Protein Sink’ as a Novel Rescue Therapy in Salicylism
 Co-Principle Investigator
 Source: The American Academy of Clinical Toxicology
 Dates: January 15, 2023 – January 14, 2024
 Award Amount: \$6,000

Title: Drug Surveillance and Prevalence under CDC Overdose Data-to-Action Initiative
 Principle Investigator 2023, Co-PI 2019-2022
 Source: WI Department of Health Services
 Dates: September 1, 2019 – August 31, 2024
 Award Amount: \$7,200/year (est.) – performance based

Past Grant and Contract Funding

Peer Reviewed

Title: 2020 CTSI Traditional Pilot Award
 Co-Principle Investigator

Source: Clinical and Translational Science Institute of SE Wisconsin
Dates: April 1, 2020 – March 31, 2021
Award Amount: \$50,000

Title: Flu-on-Call Demonstration Project
Principle Investigator
Source: CDC/UWW
Dates: September 30, 2015 – September 29, 2016
Award Amount: \$66,336

Title: H4BHS05455
Principle Investigator/ Project Officer
Source: DHHS
Dates: September 1, 2005 – August 31, 2007
Award Amount: \$199,625

Title: Development of mathematical models of tissue inert gas exchange kinetics and bubble dynamics.
Principle Investigator
Source: Naval Medical R&D Command
Dates: December 1, 1993 – August 31, 1993
Award Amount: \$2,100,000 annually

Non-Peer Reviewed

Title: H4CHS37364 CARES Funding/Covid-19 Response
Principle Investigator/ Program Director
Source: DHHS
Dates: April 1, 2020 – March 31, 2021
Award Amount: \$87,275

Title: H4BHS15507
Principle Investigator
Source: DHHS
Dates: September 1, 2014 – August 31, 2019
Award Amount: \$1,563,099

Title: H4BHS15507
Principle Investigator
Source: DHHS
Dates: September 1, 2009 – August 31, 2014
Award Amount: \$2,428,103

Title: Real-time Disease Detection and Surveillance
Principle Investigator
Source: WI DHFS / CDC Public Health Preparedness
Dates: January 21, 2008 – August 31, 2008
Award Amount: \$421,401

Title: H4BHS00005
Principle Investigator
Source: DHHS
Dates: September 1, 2007 – August 31, 2009
Award Amount: \$1,690,820

Classroom, laboratory teaching, and tutoring

2020 – 2023	Forensic Toxicology in course 915 SP Law & Forensic Science University of Wisconsin law School, Madison, WI
2014 – 2019	<i>Molecules to Cells</i> M1 basic science course – Group Mentor Medical College of Wisconsin Milwaukee, WI
2012 – 2014	M3 EM Elective Course Pathophysiology of Acute Coronary Syndromes Medical College of Wisconsin Milwaukee, WI
2012 – 2014	M2 Clinical Exam and Reasoning Course Medical College of Wisconsin Milwaukee, WI
2009 – 2012	Invited Lectures in Pharmaceutical Science Concordia University of Wisconsin – School of Pharmacy, Mequon, WI
2003 – 2006	Clinical Therapeutics and Toxicology (Graduate course) Department of Health Sciences, UW – Milwaukee Milwaukee, WI

Curriculum development or educational administrative positions

2012– 2022	Created the Division of Medical Toxicology at the Medical College of Wisconsin, serving as Inaugural Division Chief
2008 – 2011	Created and mentored clinical elective in Community Emergency Medicine at Columbia-St. Mary's for the Dept. Of Emergency Medicine, Medical College of Wisconsin.
2002 – Present	Developed and mentored clinical rotation in Medical Toxicology for students, residents, and fellows. Departments of Emergency Medicine, Pediatrics, and Psychiatry Medical College of Wisconsin

Service

University, SOM, Administrative Duties

2005-2012	Continuous Quality Improvement Committee Infinity HealthCare Incorporated, Milwaukee, WI
2005-2010	Executive Management Committee Infinity HealthCare Incorporated, Milwaukee, WI
2005-2008	Corporate Compliance Committee Infinity HealthCare Incorporated, Milwaukee, WI
2005-2008	Revenue Task Force Infinity HealthCare Incorporated, Milwaukee, WI
2005-2008	Peer Review Committee Calumet Medical Center, Chilton, WI
2005-2008	Chair, Emergency Department Administrative Committee Calumet Medical Center, Chilton, WI
2005-2008	Medical Director, Emergency Department Calumet Medical Center, Chilton, WI
2004-2010	Corporate Audit Committee Infinity HealthCare Incorporated, Milwaukee, WI
2002-2005	Emergency Medical Services Medical Director

2001-2005 Menomonee Falls Fire Department, Menomonee Falls, WI
Associate Medical Director, Emergency Medical Services
Community Memorial Hospital, Menomonee Falls, WI

University, department committees

2021 – Present Clinical Competency Committee, Medical Toxicology
Medical College of Wisconsin, Milwaukee, WI
2012 – 2019 Clinical Competency Committee, Emergency Medicine
Medical College of Wisconsin, Milwaukee, WI

Local, state, regional, national committees

2023 – Present CEO Evaluation Committee, America’s Poison Centers
2022 – Present Quality Committee, America’s Poison Centers
2021 MyEMCert Examination Standard Setting Advisory Panel
2021 Faculty Search Committee – Pharmacist/Toxicologist
Concordia University of Wisconsin, Mequon, WI
2021 – 2024 Member-At-Large, Board of Directors
America’s Poison Centers
2020 – Present AAPCC Blue Ribbon Panel – Elections, Board, and Officer Composition
America’s Poison Centers
2020 – 2023 Chair, NPDS Annual Report Committee
American Association of Poison Control Centers
2019 – Present MCW Emergency Medicine Joint Quality and Safety Committee
2017 – 2019 MCW Forensic Medicine and Sciences Committee
2016 – Present Chair, Midwest Toxicology Collaborative
2016 – 2018 Chair, NPDS Steering Committee
American Association of Poison Control Centers
2014 – 2019 Virtual Poison Center Development Committee
American Association of Poison Control Centers
2013 – 2017 NPDS Product Code Contingency Committee
American Association of Poison Control Centers
2012 – 2018 NPDS Steering Committee
American Association of Poison Control Centers
2012 – 2016 Nominating Committee
American Association of Poison Control Centers
2011 – 2016 Member, Pharmacy and Therapeutics Committee
Children’s Hospital of Wisconsin
2010 – Present Member, Government Affairs Committee
American Association of Poison Control Centers
2010 – 2016 Member, Data Access Committee
American Association of Poison Control Centers
2010 – 2012 Chair, Poison Center Utilization Task Force
American Association of Poison Control Centers
2009 – 2011 Co-Chair, Forensic Toxicology Special Interest Group
American Academy of Clinical toxicology
2007 – 2010 Member-At-Large, Board of Directors
American Association of Poison Control Centers
2005 – 2014 Member, Advisory Board of Directors
Wisconsin Health Information Exchange

2005 – 2006 Chair, Midwest Regional Poison Interest Group
2002 – 2005 Executive Physician Advisory Committee
Region 7 Bioterror Taskforce
2000 – 2010 Membership Committee
American Academy of Clinical Toxicology

Mentoring of Other Faculty Members in Clinical or Other Service Activities

Michelle Thompson, DO, Medical College of Wisconsin, Assistant Professor of Medicine 2022-2023 Mentored on professional development and onboarding to MCW as well as on creating a clinical consultation service at the Clement J. Zablocki VA Medical Center

Sara Schreiber, PhD, Wisconsin Lutheran College, 2020-2023 Mentored Sara into a leadership role that fostered her innate skillset to ultimately succeed me as Chair of Midwest Toxicology Collaborative.

Ryan Feldman, PharmD, Medical College of Wisconsin, Assistant Professor of Pharmacy 2017-2023 Mentored on numerous research and scholarly projects, affording him opportunities to join the faculty and to board certify through ABAT

Matthew Stanton, PharmD, Medical College of Wisconsin, Assistant Professor of Pharmacy 2013-2023 Mentored on numerous research and scholarly projects, affording him opportunities to join the faculty and to board certify through ABAT

Amy Drendel, DO Medical College of Wisconsin, Professor of Pediatrics – Emergency Medicine 2007-2013 Mentored on research and scholarly projects, affording opportunities to excel in the MCW academic environment and to eventually become acting chief of the division

Andrew Farkas, MD, Medical College of Wisconsin, Assistant Professor of Emergency Medicine, 2018-2023. Mentored on two important research projects, one of which was published and the other is pending publication

Hillary Petska, MD Medical College of Wisconsin, Associate Professor of Pediatrics 2018-2023 Mentored on development of scholarly projects and in successfully gaining a CTSI pilot grant award