

## Faculty, Division of Clinical Toxicology

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Professor of Emergency Medicine  
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Associate Professor of Emergency Medicine  
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### **Michelle Troendle, MD**

Assistant Professor of Emergency Medicine  
Division of Clinical Toxicology  
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## Medical Toxicology Fellows: 2014-2016

**Michael Emswiler, MD**

**Michelle Hieger, DO**

**Kevin Maskell, MD**



### Contact us:

For more information on the medical toxicology fellowship program, please contact:

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### Links to Additional Information:

Virginia Poison Center: [www.vapoison.org](http://www.vapoison.org)

VCU Emergency Medicine: [www.emergencymedicine.vcu.edu](http://www.emergencymedicine.vcu.edu)

VCU Medicine: [www.medschool.vcu.edu](http://www.medschool.vcu.edu)

City of Richmond: [www.vcu.edu/richmond](http://www.vcu.edu/richmond)



## **VCU Medical Center**

### **Fellowship in Medical Toxicology**



## VCU Medical Toxicology

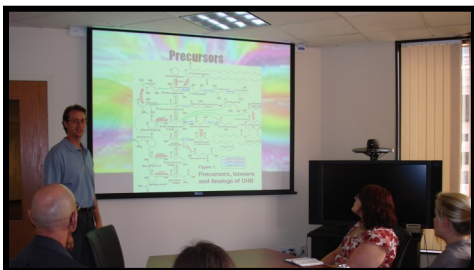
The goal of the Virginia Commonwealth University Medical Toxicology Fellowship Program is to produce outstanding medical toxicologists. We believe our graduates should possess a spectrum of skills that will enable them to provide comprehensive and skilled consultation for clinical toxicology cases, initiate an independent practice of medical toxicology, integrate into an academic medicine environment, exhibit outstanding teaching skills, manage and provide medical direction for regional poison centers, and be successful in research. This two-year fellowship is accredited by the ACGME.

## Virginia Poison Center

The Virginia Poison Center (VPC) annually receives over 25,000 calls for consultation in human poisonings. The fellow works closely with VPC staff, providing supervised medical consultation in overdose cases. Fellows will also help provide quality assurance activities as well as participate in the development of poison triage and treatment guidelines for the Specialists in Poison Information (SPI). They will have the opportunity to participate in public educational activities - more than 100 of which were presented in 2014. (vapoison.org)

## Department of Emergency Medicine

VCU Medical Center is a tertiary care, level I trauma center with an annual emergency department census of approximately 90,000 patients per year. Toxicology fellows will have the opportunity to receive an academic appointment, work clinical shifts in the emergency department, and participate in the educational and academic missions of the emergency medicine residency program.



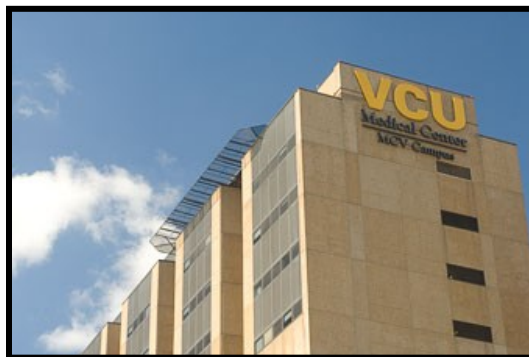
## Division of Clinical Toxicology

Fellows will be directly involved in all aspects of the Division of Clinical Toxicology. We have an active consultation service that evaluates approximately 250 inpatient and 40 outpatient clinic patients annually. There is a diverse patient population ranging from stable to critically ill adults and children, varied complaints including drug overdose, adverse drug events, envenomations, and occupational and environmental exposures.

Teaching is a major focus of our efforts. Our Division runs the medical toxicology clinical rotation which hosts approximately 110 emergency medicine, internal medicine and pediatric residents; medical students, visiting residents and fellows, pharmacy students and pharmacy residents on rotation annually. As a group, our faculty provides professional education for EMS providers, nurses, medical students, residents and physicians, with at least 150 lectures provided yearly at local, regional and national venues. We also direct toxicology simulation cases in the VCUHS state-of-the-art simulation center for medical students and residents.

## Research

The Division of Clinical Toxicology and Department of Emergency Medicine are continuously engaging in research and scholarly activities. There are opportunities to collaborate with PhD scientists in the Department of Toxicology in the School of Medicine as well as throughout Virginia Commonwealth University. A list of recent faculty publications is provided at the end of this section.



## Publications

The following are a sample of our faculty's recent publications:

Stromberg PE, Burt MH, Rose SR, Cumpston KL, Emswiler M and Wills BK. Airway compromise in children exposed to single use laundry detergent pods: a poison center observational case series. *Am J Emerg Med* 2015; 33:349-51.

Stromberg PE, Wills BK and Rose SR. The perfect storm – colchicine toxicity from therapeutic misadventure. *J Fam Practice* 2014; 63:455-6.

Cumpston K, Stromberg P, Wills BK and Rose SR. Activated charcoal does not reduce duration of phenytoin toxicity in hospitalized patients. *Am J Ther* (in press).

Wills BK, Reynolds P, Chu E, Murphy C, Cumpston K, Stromberg P and Rose SR. Clinical outcomes in newer anticonvulsant overdose: a poison center observational study. *J Med Toxicol* 2014; 10:254-60.

Rose SR, Poklis JL and Poklis A. A Case of 25I-NBOMe (25-I) Intoxication: A New Potent 5-HT<sub>2A</sub> Agonist Designer Drug. *Clin Toxicol* 2013; 51:174-7.

Wills BK, Bryant S, Buckley P, Seo B. Prevalence of metformin-associated lactic acidosis from acute overdose. *Amer J Emerg Med*. 2010;28:857-861.

Jones R, Wills BK, Kang C. Chlorine Gas: An Evolving Hazardous Material Threat and Unconventional Weapon. *West J Emerg Med*. 2010; 11(2):151-156.

Wills BK, Christensen J, Mazzoncini J, Miller M. Severe neurotoxicity following ingestion of tetraethyl lead. *J Med Toxicol*. 2010 Mar;6(1):31-4.

Murphy CM, Akbaria H and Rose SR. Fatal pulmonary edema after acute occupational exposure to nitric acid. *J Emerg Med* 2010; 39:39-43.

Leikin JB, Wills BK. Long-Term Psychiatric Consequences from Carbon Monoxide Exposure: Progression of Endogenous Cause or Toxicant Effect? *Crit Care Med*. 2009; 37(6):2116-8.

Cumpston KL. Regurgitation of My Free Lunch: The Clinical Toxicology and Pharmaceutical Company Relationship. *Journal of Medical Toxicology*, December, 2009;5(4):257.

Beckerman N, Leikin SM, Aitchinson R, Yen M, Wills BK. Laboratory interferences with the newer cyanide antidote-hydroxocobalamin. *Semin Diagn Pathol*. 2009;26(1):49-52.

Wills BK, Leikin J, Rhee JW, Tameling C, Saeedi B. Analysis of Suspicious Powders in Northern Illinois Following the Post 9/11 Anthrax Scare. *J Med Toxicol*. 2008;4(2):93-95.

Cumpston KL, Aks SE, Sigg T, Pallasch E. Whole Bowel Irrigation and the Hemodynamically Unstable Calcium Channel Blocker Overdose: Primum Non Nocere. *J Emerg Med*, July, 2008