

Division Data Summary

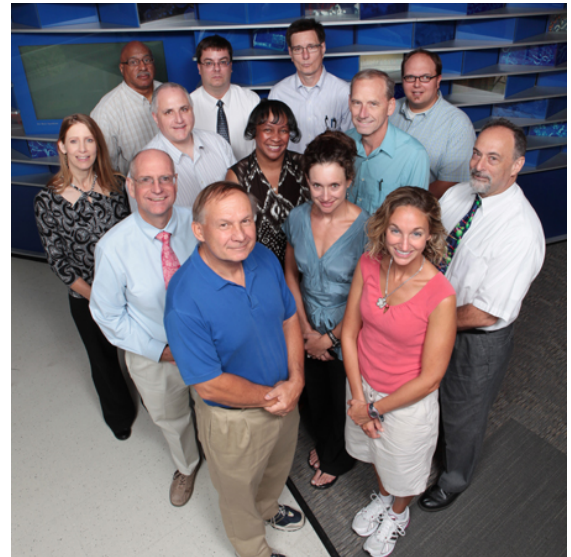
Research and Training Details

Number of Faculty	8
Number of Joint Appointment Faculty	3
Number of Support Personnel	104
Direct Annual Grant Support	\$777,165
Peer Reviewed Publications	5

Clinical Activities and Training

Number of Other Students	89
Outpatient Encounters	151345

Division Photo



Row 1: E Otten, C Dangel
Row 2: GR Bond, A Blevins, E Siegel
Row 3: J Scaglione, G Galletta, M Polk, J Schmees
Row 4: H Smith, T Carson, R Goetz, M Schur

Significant Publications

Chapman K, Creton S, Kupferschmidt H, **Bond R**, Wilks M, Robinson S. **The value of acute toxicity studies to support the clinical management of overdose and poisoning: a cross-discipline consensus.** *Regulatory Toxicology and Pharmacology*. 58:354–359. 2010.

Acute toxicity studies are not used for managing overdose of pharmaceuticals and are of little value in treating human poisoning from chemicals. Fewer animals may be unnecessarily injured or sacrificed to generate "required" data that has no value to helping humans who may be poisoned.

Yin S. **Malicious Use of Pharmaceuticals in Children.** *J.Pediatr.* 157 (5):832-836. Nov, 2010.

The first systematic examination of a potentially under-recognized form of child maltreatment which showed consistent reporting to US poison centers of malicious administration of medications to children.

Division Highlights

Bond, G.Randall

G. Randall Bond continued to work with the WHO to modify the validation protocol on the hydrocarbon and organophosphate/carbamate triage criteria.

PV/MC units

The Center added special Pharmacovigilance and Medical Communication Units interfacing safety surveillance with the drug industry. Services include: Medical Communications, Adverse Event Collection and

Patient Management, Product Complaint and Quality Management, Safety-related protocol development, Technical and Customer Support. Also real time web-based "chat" services are offered for the retail pharmacy industry.

Division Collaboration

Emergency Medicine » Drs. Michael Gittelman/Wendy Pomerantz
injury prevention curriculum and CCIC

Faculty Members

G. Randall Bond, MD, Professor

DPIC Executive Medical Director

Research Interests Acetaminophen and pediatric cold medicine toxicity and drug abuse epidemiology

Earl G. Siegel, PharmD, Adjunct

DPIC Director

Research Interests Inhalant abuse and substance abuse and poison control prevention

Gaylene B. Tsipis, MS, BS Pharm, Adjunct

Research Interests Geriatric drug use and medication error prevention

Robert Goetz, PharmD, Adjunct

Research Interests Drug information, toxicology and CYP 450

Eljorn Don Nelson, PharmD, Adjunct

Research Interests Substance abuse pharmacology

Marsha Polk, HPT, Instructor

Associate Director

Research Interests Community prevention, wellness issues and health disparities

Jan Scaglione, PharmD, Adjunct

Research Interests Substance abuse epidemiology and toxicology

Shan Yin, MD, Assistant Professor

DPIC Assistant Medical Director

Research Interests Child Abuse via poisoning or medication administration

Joint Appointment Faculty Members

Edward Otten, MD, Professor

Emergency Medicine

Research Interests Toxicology and toxinology

Curtis Snook, MD, Associate Professor

Emergency Medicine (VA)

Research Interests Disaster preparedness and toxicology

Dan Petersen, Ph. D, Adjunct

College of Medicine (UC)

Research Interests Plants, Environmental Toxins; Metabolism

Significant Accomplishments

Certified Regional Poison Control Center 24/7 Hotline

The DPIC served a population of 3.7 million in 20 Ohio counties. With 27 American Association of Poison Control Center certified specialists in poison information and 51 staff certified in national incident management systems, DPIC is one of the largest centers in the country. World events have continued to reinforce and define our community and public health services. The DPIC continued its collaborations with regional medical response systems, various county disaster committees and the Ohio Department of Health's Disaster Preparedness and Response program, including working with a Health Alert Network to send out faxes to 60 regional hospitals on subjects such as swine H1N1 flu, tsunami-related radiation from Japan, blue green algae in local rivers, the "bath salts" and synthetic marijuana phenomena and prescription drug abuse. The center added special pharmacovigilance and medical communication units interfacing safety surveillance with the drug industry. The center continues to gather and evaluate poison control data that may potentially provide toxicosurveillance on a variety of public health issues such as food poisoning, water quality, substance abuse patterns and terrorism preparedness.

Prevention Research Unit (PRU)

The Prevention Research Unit implements programming to promote healthy drug-free lifestyles. Services involve youth, parents and members of the community. The staff of the Prevention Research Unit includes prevention specialists and other professionals (health educators, pharmacists, healthcare professionals, law enforcement officers) who serve as role models in the community. More than 500,000 individuals in Hamilton County have benefited from services provided by the Prevention Research Unit. The unit also provides programming to address delinquency prevention and violence prevention among African-American youth. This year the program earned an Exemplary Prevention Award from the Ohio Department of Alcohol and Drug Abuse Services. Other services include the REACH and NOMAD projects. Additionally the Office of National Drug Control Policies has supported a People of Color Wellness Alliance Coalition Grant and a Grassroots Urban Mobilization Benefiting Ohio initiative to respond to health disparities and wellness issues prevalent among African-Americans and other minorities in Hamilton County.

Staff Recognition

Staff awards in the last year included:

- Jon Colvin, a Pease Award nomination
- Alysia Longmire, a YMCA Black Achiever Volunteer of the Year Award
- Huston Smith, a People of Color Wellness Alliance (POCWA) Community Gems Award, State of Ohio Outstanding Community Service Commendation for POCWA and SAMHSA Health Communication Scholarship for Urban Population Selection
- Robin Brannen, RN, and Stephanie Ketcham, RN, certified by the American Association of Poison Control Centers as specialists in poison information

Division Publications

1. Bodmer M, Monte AA, Kokko J, Yin S. **Safety of non-therapeutic levetiracetam ingestions--a poison center based study.** *Pharmacoepidemiology and drug safety.* 2011; 20:366-9.
2. Chapman K, Creton S, Kupferschmidt H, Bond GR, Wilks MF, Robinson S. **The value of acute toxicity studies to support the clinical management of overdose and poisoning: a cross-discipline consensus.** *Regulatory toxicology and pharmacology : RTP.* 2010; 58:354-9.

3. Yin S. **Malicious use of pharmaceuticals in children**. *The Journal of pediatrics*. 2010; 157:832-6 e1.
4. Yin S, Kokko J, Lavonas E, Mlynarchek S, Bogdan G, Schaeffer T. **Factors associated with difficulty achieving initial control with crotalidae polyvalent immune fab antivenom in snakebite patients**. *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*. 2011; 18:46-52.
5. Yin S, Powell EC, Trainor JL. **Serious bacterial infections in febrile outpatient pediatric kidney transplant recipients**. *The Pediatric infectious disease journal*. 2011; 30:136-40.

Grants, Contracts, and Industry Agreements

Grant and Contract Awards		Annual Direct / Project Period Direct
POLK, M		
People of Color Wellness Alliance		
Substance Abuse & Mental Health Services Administration		
H79S P0 14669	09/30/08-09/29/13	\$125,000
SIEGEL, E		
Ohio Bio-Terrorism Preparedness		
Ohio Department of Health		
	08/09/09-06/30/11	\$215,000
Poison Control Stabilization and Enhancement Program		
Health Resources & Services Administration		
H4B HS 15468	09/01/09-08/31/14	\$346,256
Poison Control Support and Enhancement Grant Program		
Health Resources & Services Administration		
U4B HS 19190	09/01/10-08/31/13	\$90,909
Current Year Direct		\$777,165
Total		\$777,165