

# Division of Emergency Medicine

DIVISION PROFILE	
Number of Faculty	25
Clinical Staff Physicians	20
Number of Fellows	
Clinical Fellows	9
Number of Support Personnel	27
Annual Total Grant Support (direct)	\$544,921
Number of Peer Reviewed Publications	13
Patient Encounters	
Outpatient	89,734
Urgent Care Visits	23,117

## FACULTY LISTING

- Richard M. Ruddy, MD**, Professor of Clinical Pediatrics, Division Director  
**Sheryl Allen Bracey, MD, MS**, Assistant Professor of Clinical Pediatrics  
**G. Randall Bond, MD**, Professor of Clinical Pediatrics, Medical Director, Drug and Poison Information Center  
**Gregg A. DiGiulio, MD**, Associate Professor of Clinical Pediatrics, Associate Director, Division of Emergency Medicine; Medical Director, Emergency Department  
**Elena M. Duma, MD**, Instructor of Clinical Pediatrics, Coordinator, Clinical Staff Physicians  
**Mike FitzGerald, PhD**, Field Service, Assistant Professor of Pediatrics  
**Michael A. Gittelman, MD**, Assistant Professor of Clinical Pediatrics  
**Todd F. Glass, MD, MS**, Assistant Professor of Pediatrics  
**Javier Gonzalez del-Rey, MD**, Associate Professor of Clinical Pediatrics, Associate Director, Division of Emergency Medicine; Director, Pediatric Residency Training Program  
**Catherine W. Gouldin, MD**, Assistant Professor of Clinical Pediatrics  
**Jacqueline Grupp-Phelan, MD, MPH**, Assistant Professor of Clinical Pediatrics  
**Stephanie Kennebeck, MD**, Assistant Professor of Clinical Pediatrics  
**Mona S. Kulkarni, MD**, Assistant Professor of Clinical Pediatrics, Associate Director, Statline Emergency Communication Center  
**Joseph W. Luria, MD**, Assistant Professor of Clinical Pediatrics, Medical Director, Statline Emergency Communication Center  
**Melinda Mahabee-Gittens, MD, MS**, Assistant Professor of Clinical Pediatrics  
**Mia L. Mallory, MD**, Assistant Professor of Clinical Pediatrics, Associate Director, Pediatric Residency Training Program  
**Constance M. McAnaney, MD**, Associate Professor of Clinical Pediatrics, Associate Director, Division of Emergency Medicine; Director, Pediatric Emergency Medicine Fellowship Program  
**Mary D. Patterson, MD**, Assistant Professor of Clinical Pediatrics, Medical Director, Human Patient Simulator Program  
**Wendy J. Pomerantz, MD, MS**, Assistant Professor of Clinical Pediatrics  
**Scott D. Reeves, MD**, Assistant Professor of Clinical Pediatrics  
**Charles J. Schubert, MD**, Associate Professor of Clinical Pediatrics  
**Robert A. Shapiro, MD**, Professor of Clinical Pediatrics, Medical Director, Center for Safe and Healthy Children  
**Michelle D. Stevenson, MD**, Instructor of Pediatrics  
**Richard T. Strait, MD**, Assistant Professor of Pediatrics  
**Nathan L. Timm, MD**, Assistant Professor of Clinical Pediatrics, Officer of Emergency Management

## STAFF PHYSICIAN LISTING

**Kirsten Ahrens, MD**

**Arash Babaoff, MD**  
**Ann Bacevice, MD**  
**Kate Balkoweic, MD**, Assistant Medical Director, St. Elizabeth South PED  
**Judy Bausher, MD**  
**Jene Bramel, MD**  
**Krista Brunner, MD**  
**Michael Chua, MD**  
**Amy Guiot, MD**  
**Pamela Kingma, MD, PhD**  
**Alexandra Kostur, MD**  
**Lisa S. Lewis, MD**  
**Dawn Manfroy, MD**  
**Melinda Markham, MD**  
**Jenny Motley, MD**  
**Margaret Orcutt-Tuddenham, DO**, Assistant Medical Director, Urgent Care  
**Kristin Stackpole, MD**  
**Suzanne Szczepaniak, MD**  
**Karen Szczepanski, MD**  
**Evan Yeung, MD**

## OVERVIEW

The mission of the Division of Emergency Medicine at CCHMC is the delivery of exceptional clinical care to acutely ill and injured children and their families. Our mission will be achieved through innovative educational and advocacy programs, through clinical and basic research designed to advance the practice of Pediatric Emergency Medicine.

Clinical – FY '04 issues include ED visit growth, ED renovation completion and clinical care initiatives particularly in Pursuing Perfection. Census grew 7% from the previous year to almost 90,000 ED visits including a record month of December with over 10,000 visits. Gregg DiGiulio, MD former project leader of the ED renovation assumed the clinical leadership as Medical Director of the ED with Robert Steele, RN as Senior Clinical Director from Patient Services. Emergency Services staff and leadership continued to work to reach the goal of timely, effective, efficient, safe, patient centered and equitable care for all.



*Left to Right: (1<sup>st</sup> row) G. DiGiulio, W. Pomerantz, J. Grupp-Phelan, R. Ruddy, S. Allen Bracey, M. Gittelman, R. Bond, M. Mallory, (2<sup>nd</sup> row) M. Stevenson, M. Mahabee-Gittens, C. Schubert, B. Shapiro, E. Duma, J. Luria, (3<sup>rd</sup> row) T. Glass, J. Gonzalez, N. Timm, R. Strait*

Education – The pediatric residents honored our division by voting us the Best Division for 2003-04, as having the outstanding fellow teacher, Gary Geis, MD, and for continuing innovation in teaching in the ED and classroom. Important initiatives in patient safety and use of simulated learning have grown and gained stature.

Research – The division continues in expansion of health services research in Mental Health Emergencies, Advocacy / Prevention – Smoking Cessation and Injury Control. We remain a member of the Pediatric Emergency Care Applied Research Network (PECARN) funded through MCHB/HRSA. Our collaborative laboratory research continues to do well with Dr. Strait's work on cytokine regulation of anaphylaxis with Immunology and Dr. Stevenson's work in childhood asthma with Allergy & Immunology. Divisional – sponsored research continues in other EMSC topics.

## HIGHLIGHTS

### **Clinical Performance Initiatives**

Formation of the Clinical Systems Improvement ED Team with focus on flow. Their work includes improving reliability through a "back to the basics" multidisciplinary initiative, enhancements in family centered care and improved scheduling template / design.

Development of high level DASHBOARD performance measures maintained weekly.

Community Physician Communication Project under the direction of Joe Luria, MD had excellent results and he received an award from the Medical Staff.

The ED Pursuing Perfection Team with the leadership of Scott Reeves, MD and Stephanie Kennebeck, MD is demonstrating continued improvements in our evidence-based family centered care.

Electronic order entry and nursing documentation was implemented with significant contributions from Beth Scheid, RN, Stephanie Kennebeck, MD and Wendy Pomerantz, MD.

Outreach – Judith Bausher, MD stepped down from administrative work at St. Elizabeth's South Medical Center and Peg Orcutt-Tuddenham, DO has accepted that role as Assistant Medical Director, Urgent Care.

The Office of Emergency Management has been instituted with leadership from Nathan Timm, MD and the HAZMAT decontamination unit has been completed.

Advocacy - The Injury Free Coalition (Michael Gittelman, MD, Wendy Pomerantz, MD, MS) and other Injury Prevention efforts (Sheryl Allen, MD, MS) have continued to grow and have scholarly output as well as strong community advocacy. Divisional resources have helped fund two important programs tied to EM - the Poison Center, Medical Director, Randall Bond, MD and the Mayerson Center for Safe and Health Children, Medical Director, Robert Shapiro MD. Charles Schubert, MD pursued the development of local medical leadership while on sabbatical in Zambia. Joseph Luria, MD continues as the Chairperson of the State Trauma Committee, which reports to the Ohio EMS Board on Trauma Systems development. Richard Ruddy, MD is Chair of the Hamilton County Injury Surveillance System and Past Chair of the Section of Emergency Medicine of the AAP.

Education – A continued strength of the division has been our educational programs. Dr. Constance McAneney, MD, PEM Fellowship Director, and Pediatric Clerkship Director led the efforts for fellows and students. Within the core residency program, both the Program Director (Dr. Gonzalez del Rey) and Associate Program Director (Dr. Mia Mallory) working with Dr. Scott Reeves and Dr. Mona Kulkarni have further improved the residency training program. We contributed to the evidence based medicine efforts here at the fall EBM course and through our fellows and faculty being trained and then trainers at the McMaster's University Course held each June. As Emergency Medical Services for Children (EMS-C) providers we have a well-established outreach program with Pediatric Life Support and Pediatric Emergency for the Pre-hospital Provider.

EMS-C – Human Patient Simulator – Resuscitation and Patient Safety - Under the medical direction of Mary Patterson, MD and Tom Lemasters, RN, EMT-P, the simulation program has grown to include involvement of a large component of education of pre-hospital providers, ED staff, residents in training and other hospital staff. The first educational research projects are completed and the learning module software is becoming available to other centers.

Research – The highlight of the year has been the expansion of the projects in PECARN, with projects funded in head trauma (HRSA), cardiac resuscitation (NIH) and internally funded projects in bronchiolitis, core data and description of the network, and ED mental health burden. Our PEM fellowship training program provided each fellow an excellent opportunity to develop their research skills and complete Master Degrees in Education, Epidemiology and Public Health at UC and other nationally recognized programs. Our primary program efforts have been in the Health Services Area, Clinical ED research and in translational laboratory research in conjunction with Immunology, Physiology and Neural Network within the areas of anaphylaxis, head trauma and shock recognition. We have collaborated with Infectious Disease studying the utility of rapid Influenza testing. Divisionally supported research includes growth in the area of evaluation of ED delivery issues and effective ED clinical care.

Health Services Research - Jacqueline Grupp-Phelan, MD, MPH has received funding for her NIH K-23 Career development award studying pediatric and maternal mental health issues in the ED. Melinda Mahabee-Gittens, MD, MS, was awarded the Schmidlapp Award studying ED interventions for tobacco cessation. Srikant Iyer, MD is completing a MPH at Harvard in Clinical Effectiveness and Sheryl Allen MD MS is working on prevention through churches serving the African-American community.

## TRAINING

Rebecca R. Hampton, MD	PGY-IV	Children's Memorial Hospital
Laurie H. Johnson, MD	PGY-IV	Eastern Virginia Medical School, Children's Hospital of the King's Daughters
Hamilton P. Schwartz, MD	PGY-IV	Cincinnati Children's Hospital Medical Center
Srikant Iyer, MD	PGY-V	Cincinnati Children's Hospital Medical Center
Jennifer L. Reed, MD	PGY-V	Indiana University
Brian T. Stout, MD	PGY-V	University of Cleveland, Rainbow Babies and Children's Hospital
Michele M. Carney, MD	PGY-VI	Children's Hospital of Michigan, Detroit Medical Center
Mary Jo-Ellen Erickson, MD	PGY-VI	Cincinnati Children's Hospital Medical Center
Gary L. Geis, MD	PGY-VI	Eastern Virginia Medical School, Children's Hospital of the King's Daughters

## GRANTS, CONTRACTS AND INDUSTRY AGREEMENTS

<b>Grant and Contract Awards</b>	<b>Annual Direct/Project Period Direct</b>
<hr/>	
Gittelman, M <b>Injury Free Coalition of Greater Cincinnati</b> Robert Wood Johnson Foundation	11/01/01 – 10/31/06 \$52,720/\$266,100
<hr/>	
Grupp-Phelan, J <b>Screening Services in the Pediatric Emergency Department</b> National Institutes of Health K23 MH 63916	06/15/03 – 03/31/08 \$158,900/\$828,165
<hr/>	
Patterson, M <b>Effect of a Focused Paramedic Educational Intervention</b> Ohio Department of Public Service	

Ruddy, R

**EMSC Network Development Demonstration Project**

Health Resources and Services Administration (University of California subcontract)

U03 MC 00001

09/30/01 – 09/29/04

\$41,727/\$114,126

**Childhood Head Trauma: A Neuroimaging Decision Rule**

Maternal and Child Health Bureau (UC-Davis subcontract)

R40 MC 02461

01/01/04 – 12/31/06

\$17,152/\$50,698

Schubert, C

**CDC Immunization Action Plan Project**

Ohio Department of Health (City of Cincinnati subcontract)

P0025X9098

01/01/00 – 12/31/04

\$78,376/\$326,590

Stevenson, M

**Molecular Epidemiology in Children's Environmental Health**

National Institutes of Health (University of Cincinnati subcontract)

T32 ES 10957

10/01/03 – 09/30/04

\$50,808

Strait, R

**Cytokine Regulation of Anaphylaxis in the Mouse**

National Institutes of Health

K08 AI 50006

07/01/01 - 06/30/04

\$110,750/\$332,250

**Current Year Direct****\$544,921****Industry Contracts****Current Year Direct Receipts****\$0****TOTAL****\$544,921****PUBLICATIONS**

1. **Bond GR**, Steele PE, Uges DR. Massive venlafaxine overdose resulted in a false positive Abbott AxSYM urine immunoassay for phencyclidine. J Toxicol Clin Toxicol 2003;41(7):999-1002.
2. **Bond GR**. Home syrup of ipecac use does not reduce emergency department use or improve outcome. Pediatrics 2003;112(5):1061-4.
3. Sztajnkrzyer MD, Otten EJ, **Bond GR**, Lindsell CJ, Goetz RJ. Mitigation of pennyroyal oil hepatotoxicity in the mouse. Acad Emerg Med 2003;10(10):1024-8.
4. Wax PM, Ford MD, **Bond GR**, Kilbourne EM, Walter FG, Avery AN, Clark RF, Liebelt EL. The core content of medical toxicology. Ann Emerg Med 2004;43(2):209-214.
5. Dart RC. Medical toxicology 3rd ed. Philadelphia: Lippincott, Williams & Wilkins; 2004.
6. **Gittelman MA**, **Gonzalez-del-Rey J**, Brody AS, DiGiulio GA. Clinical predictors for the selective use of chest radiographs in pediatric blunt trauma evaluations. J Trauma 2003;55(4):670-6.
7. **Glass TF**, Knapp J, Amburn P, Clay BA, Kabrisky M, Rogers SK, Garcia VF. Use of artificial intelligence to identify cardiovascular compromise in a model of hemorrhagic shock. Crit Care Med 2004;32(2):450-6.
8. Barber JW, White NJ, **Luria JW**. Pediatric trauma: "a horse of a different color". Pediatr Emerg Care 2004;20(6):412-7.
9. **Mahabee-Gittens EM**, Berz K, Pickup T. Risk factors for tobacco use by utilizers of the pediatric emergency department. Clin Pediatr (Phila) 2003;42(7):653-6.

10. Deitch J, Mehlman CT, Foad SL, Obbehat A, **Mallory M**. Traumatic anterior shoulder dislocation in adolescents. *Am J Sports Med* 2003;31(5):758-63.
11. Poirier MP, Isaacman DJ, Nichols MH, **Pomerantz WJ**, Givens TG. Topic: who is the boss? *Pediatr Emerg Care* 2003;19(4):277-81.
12. Brandt EB, **Strait RT**, Hershko D, Wang Q, Muntel EE, Scribner TA, Zimmermann N, Finkelman FD, Rothenberg ME. Mast cells are required for experimental oral allergen-induced diarrhea. *J Clin Invest* 2003;112(11):1666-77.
13. Poirier MP, Isaacman DJ, **Strait RT**, Counselman FL, Foster RL. Pain and sedation. *Pediatr Emerg Care* 2004;20(1):57-62.