**Division Details**

**Division Data Summary**

<table>
<thead>
<tr>
<th>Research and Training Details</th>
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<tbody>
<tr>
<td>Number of Faculty</td>
<td>12</td>
</tr>
<tr>
<td>Number of Joint Appointment Faculty</td>
<td>1</td>
</tr>
<tr>
<td>Number of Support Personnel</td>
<td>20</td>
</tr>
<tr>
<td>Direct Annual Grant Support</td>
<td>$777,367</td>
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<tr>
<td>Direct Annual Industry Support</td>
<td>$5,820</td>
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<tr>
<td>Peer Reviewed Publications</td>
<td>26</td>
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<table>
<thead>
<tr>
<th>Clinical Activities and Training</th>
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<tbody>
<tr>
<td>Number of Clinical Staff</td>
<td>10</td>
</tr>
<tr>
<td>Number of Clinical Fellows</td>
<td>14</td>
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<tr>
<td>Number of Other Students</td>
<td>2</td>
</tr>
<tr>
<td>Inpatient Encounters</td>
<td>8,675</td>
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</tbody>
</table>

**Division Photo**

Row 1: J Kaplan, B Zingarelli
Row 2: H Wong, E Stalets, S Poynter Wong, L Doughty
Row 3: R Chima, K Tegtmeyer, R Basu, B Varisco

**Significant Accomplishments**

**RACE for Results**

Cincinnati Children’s won the 2012 Children's Hospital Association RACE for Results Award for mortality reductions in the pediatric intensive care unit (PICU) and hospital. In one decade Cincinnati Children’s decreased PICU mortality by 43 percent and hospital mortality rates by 34 percent. The RACE for Results Award recognizes exceptional clinical business improvements in children's hospitals. This is the fourth time that Cincinnati Children’s has won this prestigious award and the second time for the PICU. Our success reflects aggressive efforts to reduce hospital acquired infections, implement electronic health records, improve recognition of clinical deterioration, prevent codes outside of the PICU and mandate hospital wide safety training.

**Licensing Heart Catheterization Animations**

Ken Tegtmeyer, MD, and medical animator Jeff Cimprich licensed heart catheterization animations of LungRx this year. This represents the first external marketing of 3D animations from the Critical Care Media Lab. The lab has been producing 3D animations and clinical research videos for three and a half years, and plans to expand its external activities.

**Faculty Recognition**
Ken Tegtmeyer, MD, was elected chair of the Society of Critical Care Medicine Pediatric Section. Basilia Zinarelli, MD, PhD was elected president of the North American/United States Shock Society. And Jennifer Kaplan, MD, was appointed to be a permanent study section member for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Pediatrics Subcommittee.

Division Publications


Faculty, Staff, and Trainees

**Faculty Members**

**Hector Wong, MD**, Professor
  **Leadership** Director
  **Research Interests** Septic shock, Genomics, Biomarkers

**Ranjit Chima, MD**, Assistant Professor
  **Research Interests** Bone Marrow Transplantation-Associated Critical Illness ECMO Glucose Homeostasis

**Lesley Doughty, MD**, Associate Professor
  **Leadership** Fellowship Director
  **Research Interests** Sepsis

**Jennifer Kaplan, MD, MS**, Assistant Professor
  **Research Interests** Sepsis and obesity

**Kristen Page, PhD**, Associate Professor
  **Research Interests** Asthma, airway inflammation, inflammatory mediators, innate and adaptive immune response

**Sue E. Poynter, MD**, Assistant Professor
  **Leadership** Medical Director Division of Respiratory Care; Associate Director Pediatric Residency Training Program
  **Research Interests** Resident Education

**Erika Stalets, MD**, Instructor
Research Interests Quality Improvement and Patient Safety
Ken Tegtmeyer, MD, Associate Professor
Research Interests Multimedia Medical Education

Rajit Basu, MD, Instructor
Research Interests The role of kidney injury in distal organ function

Derek S. Wheeler, MD, Associate Professor
Leadership Clinical Director PICU
Research Interests Sepsis, Stress preconditioning, Quality Improvement

Basilia Zingarelli, MD, Ph.D., Associate Professor
Research Interests Sepsis, hemorrhage and ischemia and reperfusion injury

Brian Varisco, MD, Instructor
Research Interests Lung Development and Injury

Joint Appointment Faculty Members
Bradley Marino, MD, Associate Professor (Cardiology)
Research Interests Long-term outcomes in children and adolescents with CHD, Resuscitation of children with CHD

Trainees
- Kamal Abulebda, MD, PL-4, University of Aleppo, Syrian Republic
- Gabriela Botez, MD, PL-5, Universitatea de Medicine
- Ma-Bernardita Gamallo, MD, PL-5, Jersey Shore Medical Center
- Aaron Gardner, MD, PL-5, St. George’s University
- William Hanna, MD, PL-5, University of Kentucky College of Medicine
- Michael Hobson, MD, PL-6, Indiana University School of Medicine
- Riad Lutfi, MD, PL-7, University of Damascus
- Carrie Morgan, MD, PL-6, University of Kentucky College of Medicine
- Carley Riley, MD, PL-6, Children’s Hospital of Los Angeles
- Ravi Samraj, MD, PL-5, Driscoll Children's Hospital
- Shilpa Shah, MD, PL-5, The University of Texas Medical Branch
- Siarhei Slinko, MD, PL-6, University of Buffalo
- Danielle Webster, MD, PL-4, University of Missouri - Kansas City
- John Whitt, MD, PL-5, University of Alabama School of Medicine

Grants, Contracts, and Industry Agreements

<table>
<thead>
<tr>
<th>Grant and Contract Awards</th>
<th>Annual Direct</th>
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<tr>
<td>KAPLAN, J</td>
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<tr>
<td>PPAR gamma in Pediatric Sepsis and the Inflammatory Response in Obesity</td>
<td>$115,250</td>
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<td>National Institutes of Health K08 GM 093135 06/01/10-05/31/14</td>
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| WHEELER, D               |              |
| Therapeutic Hypothermia after Pediatric Cardiac Arrest | |
| National Institutes of Health (University of Michigan) | |
WONG, H

**MMP-8 as a Novel Therapeutic Target in Sepsis**
National Institutes of Health
R01 GM 096994 04/01/11-03/31/15 $190,000

**Point of Care Center for Emerging Neurotechnologies (POC-CENT)**
National Institutes of Health (University of Cincinnati)
U54 EB 007954 07/01/09-06/30/12 $10,650

ZINGARELLI, B

**Mechanisms of Age-Related Inflammatory Response in Hemorrhagic Shock**
National Institutes of Health
R01 AG 027990 09/01/07-08/31/12 $191,174

**PPARgamma and PPARgamma Agonists in Septic Shock**
National Institutes of Health
R01 GM 067202 07/01/08-06/30/12 $242,163

**Role of Eicosanoids in Shock**
National Institutes of Health (Medical University of South Carolina)
R01 GM 027673 07/03/08-06/30/13 $22,128

| Current Year Direct | $777,367 |

**Industry Contracts**

BARR, R

Asklepion Pharmaceuticals, LLC $5,820

| Current Year Direct Receipts | $5,820 |

| Total | $783,187 |