Pediatric General and Thoracic Surgery

Division Photo


Division Data Summary

<table>
<thead>
<tr>
<th>Research and Training Details</th>
<th>18</th>
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<tbody>
<tr>
<td>Number of Faculty</td>
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<tr>
<td>Number of Joint Appointment Faculty</td>
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<tr>
<td>Number of Research Fellows</td>
<td>8</td>
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<tr>
<td>Number of Support Personnel</td>
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<tr>
<td>Direct Annual Grant Support</td>
<td>$2,360,473</td>
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<tr>
<td>Direct Annual Industry Support</td>
<td>$116,950</td>
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<tr>
<td>Peer Reviewed Publications</td>
<td>46</td>
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<thead>
<tr>
<th>Clinical Activities and Training</th>
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<tr>
<td>Number of Clinical Staff</td>
<td>16</td>
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<tr>
<td>Number of Clinical Fellows</td>
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<tr>
<td>Inpatient Encounters</td>
<td>2255</td>
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<tr>
<td>Outpatient Encounters</td>
<td>8577</td>
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Significant Publications


Falcone, R. A., Jr., M. Daugherty, et al. (2008). "Multidisciplinary pediatric trauma team training using high-
Division Highlights

Molecular Fetal Lab - Dr. Timothy Crombleholme

Dr. Crombleholme has expertise in wound healing and fetal cellular and molecular therapeutics research. His basic science wound healing research is funded by the NIH and Shriner’s Hospital. He is the primary investigator of an NIH funded clinical trial focusing on the care management of twin-twin transfusion syndrome. Dr. Crombleholme was named Director, Surgical Research and Associate Chair of the Children’s Hospital Research Foundation.

Bariatric Surgery - Dr. Thomas Inge

The Center for Bariatric Research and Innovation directed by Dr. Inge continues to partner with NIDDK and lead the national effort to prospectively gather data and publish evidence-based recommendations for use of weight loss surgery in adolescents. The Center welcomed the addition of an Associate Director, Todd Jenkins, MPH, PhD who quickly transitioned into the Interim Director, ObesityDataCoordinatingCenter at CCHMC. The team is in the 4th of 6 years of the NIH U01 funded Teen LABS Study, the largest multicenter study to document outcomes of adolescents undergoing weight loss surgery. In addition to this parent grant, the study group has added numerous other R01-funded ancillary studies to the consortium. The study group has submitted the first 2 abstracts from this long term follow-up study.

Biliary Atresia - Dr. Gregory Tiao

Dr. Tiao continues to develop his research in biliary atresia. He completed his fourth of five years on his NIH Career Development Award. Dr. Tiao was appointed Surgical Director for Liver and Intestinal Transplantation.

Solid Organ Cancers - Dr. Jason Frischer

Dr. Frischer is setting up a basic science laboratory to study solid organ cancers by identifying, and then overcoming, the mechanisms by which they become resistant to current therapies. He has recently been awarded a grant from CancerFree Kids to study Neuroblastomas.

Trauma - Dr. Richard Falcone

Received funding from the State of Ohio and Cincinnati Children’s Hospital Medical Center as well as Kohl’s for his work in trauma epidemiology, education and prevention. Also, he has received funding for a clinical trial evaluating the safest dose of Tigecycline for pediatric patients. In June, Dr. Falcone was named the Director of the Trauma and Injury Prevention Program for the Division.

Faculty Members

Richard G. Azizkhan, MD, Professor; Surgeon-in-Chief, Division Director

Maria H. Alonso, MD, Associate Professor; Surgical Associate Director, Liver Transplant; Surgical Director, Kidney Transplant

Denis D. Bensard, MD, Professor; Director, Pediatric Surgery, St. Vincent Children’s Hospital

Rebeccah L. Brown, MD, Associate Professor; Associate Director, Trauma Services

Timothy M. Crombleholme, MD, Professor; Obstetrics/Gynecology, and Pediatrics, Director, Fetal Care Center of
Joint Appointment Faculty Members

Jeffrey Livingston, MD, Associate Professor
Maternal Fetal Medicine

Trainees

- Sean Barnett, MD, PL-9, University of Minnesota
- Timothy Lee, MD, PL-8, Baylor College of Medicine

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Division Publications


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### Grants, Contracts, and Industry Agreements

#### Grant and Contract Awards

<table>
<thead>
<tr>
<th>Grant and Contract Awards</th>
<th>Annual Direct / Project Period Direct</th>
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<tbody>
<tr>
<td><strong>CROMBLEHOLME, T</strong></td>
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<tr>
<td><strong>Endothelial Progenitor Cell Biology in Type I Diabetes</strong></td>
<td>National Institutes of Health</td>
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<tr>
<td>RO1 DK 074055</td>
<td>09/30/05 - 07/31/09</td>
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<td><strong>Endothelial Progenitor Cells and Vasculogenesis in Engineered Human Skin</strong></td>
<td>Shriners Hospitals for Children</td>
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<td>01/01/07 - 12/31/09</td>
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<td><strong>Endothelial Progenitor Cell Recruitment In Diabetic Mice</strong></td>
<td>National Institutes of Health</td>
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<tr>
<td>RO1 DK 072446</td>
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<tr>
<td><strong>Identification of Novel Genes for Congenital Diaphragmatic Hernia</strong></td>
<td>National Institutes of Health (Columbia University)</td>
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<td>R01 HD 057036</td>
<td>09/28/08 - 06/30/12</td>
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<tr>
<td><strong>Angiogenic Peptide Scaffolds to Enhance Diabetic Wound</strong></td>
<td>National Institutes of Health (University of Cincinnati)</td>
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<td>R21 DK 078814</td>
<td>07/01/08 - 06/30/10</td>
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<p>| <strong>EFIRD, J</strong>              |                                    |
| <strong>Infection, Persistence and Clearance of Oral HPV in Women</strong> | National Institutes of Health |
| R03 DE 016876             | 08/11/08 - 02/28/09                | $73,099 / $73,099 |</p>
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<tr>
<th>Name</th>
<th>Project Title</th>
<th>Organization</th>
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<th>End Date</th>
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<tr>
<td>Falcone</td>
<td>Increasing Motor Vehicle Restraint in the Hispanic Community</td>
<td>Ohio Department of Public Safety</td>
<td>07/01/08</td>
<td>06/30/09</td>
<td>$24,728 / $24,728</td>
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<td>Frischer</td>
<td>Treatment of a Neuroblastoma Model with an EGFR Inhibitor</td>
<td>Cancer Free Kids</td>
<td>05/01/09</td>
<td>04/30/10</td>
<td>$36,000 / $36,000</td>
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<td>Inge</td>
<td>Adolescent Bariatric: Assessing Health Benefits and Risks</td>
<td>National Institutes of Health</td>
<td>07/01/06</td>
<td>03/31/11</td>
<td>$1,357,935 / $6,650,550</td>
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<td>Jenkins</td>
<td>Dietary Intake and Eating Behavior in Adolescents who Undergo Bariatric Surgery</td>
<td>National Institutes of Health (University of Pennsylvania)</td>
<td>07/01/08</td>
<td>06/30/13</td>
<td>$50,640 / $253,200</td>
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<td>Laurence</td>
<td>Occupant Protection Coordinator Grant Region 8</td>
<td>Ohio Department of Public Safety</td>
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<td>Levitt</td>
<td>Surgery Missions for Pediatric Surgery Division</td>
<td>The Smile Train</td>
<td>07/01/08</td>
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<td>Maldonado</td>
<td>Targeting Oncolytic HSV to Neuroblastoma and Malignant Peripheral Nerve Sheath Tumors</td>
<td>National Institutes of Health</td>
<td>12/01/07</td>
<td>11/30/10</td>
<td>$32,933 / $98,690</td>
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<td>Tiao</td>
<td>Pathogenic Mechanisms of Virus Induced Biliary Atresia</td>
<td>National Institutes of Health</td>
<td>09/15/05</td>
<td>06/30/10</td>
<td>$116,500 / $582,500</td>
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**Current Year Direct** $2,360,473

**Industry Contracts**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Direct Receipts</th>
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<tr>
<td>Falcone</td>
<td>Wyeth Pharmaceuticals</td>
<td>$ 52,833</td>
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<tr>
<td>Inge</td>
<td>Ethicon Endo-Surgery, Inc</td>
<td>$ 127,017</td>
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**Current Year Direct Receipts** $116,950

**Total** $2,477,423