EMORY + CHILDREN’S PEDIATRIC RESEARCH ECOSYSTEM

CLINICALLY FOCUSED RESEARCH CENTERS

- Aflac Cancer and Blood Disorders Center (Aflac)
- Center for Childhood Infections and Vaccines (CCIV)
- Center for Cystic Fibrosis and Airways Disease Research (CF-AIR)
- Children’s Center for Immunity and Applied Genomics (CIAG)
- Children’s Center for Neurosciences Research (CCNR)
- Marcus Autism Center
- Children’s Heart Research and Outcomes Center (HeRO)
- Center for Gastroenterology, Endocrinology & Nutrition Innovation (GENI)

INTEGRATIVE RESEARCH CENTERS

- Center for Clinical and Translational Research (CCTR)
- Clinical Outcomes Research and Public Health (CORPH)
- Children’s Center for Pediatric Cellular Therapies (CPCT)
- Center for Drug Discovery (CDD)
- Pediatric Technology Center (PTC)

RESEARCH CORES

- Biostats
- Biomarkers
- General Equipment
- Grant Editing & Manuscript Support
- Animal Physiology
- Cellular Imaging
- Specimen Process and Biorepository
- Flow Cytometry
- Cardiovascular & Medical Imaging

Research Snapshot
March 2022
**Research Resources:**
The resources to the right are available to all investigators affiliated with Children's Healthcare of Atlanta (CHOA), including medical staff, Emory Department of Pediatrics (DOP) faculty and staff, and those outside of the DOP and CHOA who are members of our research centers. We encourage involvement of all those interested in research throughout our system and provide this as a guide to resources along with our research website [www.pedsresearch.org](http://www.pedsresearch.org). Our goals are to build infrastructure and programs that serve a broad community of scientists and clinicians engaged in pediatric research and provide training in grant writing and grant opportunities that enhance our extramural funding for all child health investigators affiliated with Children's Healthcare of Atlanta. For suggestions and comments on any of the initiatives and resources, please contact Clinton H. Joiner, MD, PhD [clinton.joiner@emory.edu](mailto:clinton.joiner@emory.edu) or Stacy Heilman, PhD [stacy.Heilman@emory.edu](mailto:stacy.Heilman@emory.edu)

<table>
<thead>
<tr>
<th>Grant and Manuscript Support</th>
<th>Clinical studies/coordinates</th>
<th>Emory Clinical Research Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Stacy Heilman, PhD</td>
<td>• CHOA Clinical Research</td>
<td>• Sarah Marie Huban, Director</td>
</tr>
<tr>
<td>Director, Research Operations 404-727-4819</td>
<td>Administration</td>
<td><a href="mailto:sarah.marie.huban@emory.edu">sarah.marie.huban@emory.edu</a></td>
</tr>
<tr>
<td><a href="mailto:stacy.heilman@emory.edu">stacy.heilman@emory.edu</a></td>
<td>Hema Mody <a href="mailto:hema.mody@choa.org">hema.mody@choa.org</a></td>
<td>404-712-0736</td>
</tr>
<tr>
<td>• Assistance with finding grant opportunities and connecting to collaborators</td>
<td>(as of 1/18/22) <a href="">404-785-7477</a></td>
<td>Scientific Facilities Manager</td>
</tr>
<tr>
<td>• Core laboratory assistance, supervision</td>
<td>and <a href="mailto:Stephanie.Meisner@choa.org">Stephanie Meisner</a></td>
<td>• Kira Moresco, MS</td>
</tr>
<tr>
<td></td>
<td>404-785-6453</td>
<td><a href="mailto:kira.moresco@emory.edu">kira.moresco@emory.edu</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>404-727-6515</td>
</tr>
<tr>
<td>Grants &amp; Manuscript Editing</td>
<td>Manager, Egleston campus:</td>
<td>Equipment Core: Biosafety cabinet, incubators, clinical centrifuge, real-time PCR machine, standard PCR machine, multilabel plate reader, gel documentation system on order Services: This core provides common equipment for investigator's use, including access to benchtop space and hood space, centrifuges for clinical specimen processing</td>
</tr>
<tr>
<td>• Prioritized for extramural funding opportunities, program projects</td>
<td>Rebecca Cleton 404-785-0109</td>
<td></td>
</tr>
<tr>
<td>• Experienced at program project management, grant and scientific paper editing</td>
<td><a href="mailto:rebecca.cleton@choa.org">rebecca.cleton@choa.org</a></td>
<td></td>
</tr>
<tr>
<td>• Request form on pedsresearch.org; send to Stacy Heilman</td>
<td>Manager, Hughes Spalding/Scottish Rite campuses:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marco Benoit 404-785-2269</td>
<td><a href="mailto:Macarthur.Benoit@choa.org">Macarthur.Benoit@choa.org</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>404-785-2269</td>
</tr>
<tr>
<td></td>
<td>Lead Research Nurse, Pediatric Research Center (PCRU/CAP Building):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cheryl Stone, RN</td>
<td><a href="mailto:cheryl.L.stone@choa.org">cheryl.L.stone@choa.org</a></td>
</tr>
<tr>
<td></td>
<td>404-785-0400-main number</td>
<td>404-712-0766</td>
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</tbody>
</table>

**Biostatistics Core**

- **Shasha Bai, PhD**, Director
- **Scott Gillespie, MS, MSPH**, Asst Director
  - **Rohali Keesari, PharmD, MPH**
  - **Adrianna Westbrook, MPH**
  - **Yijin Xiang, MPH**

**Procedure:** Request form located at: [http://www.pedsresearch.org/research/cores/biostatistics-core/overview/](http://www.pedsresearch.org/research/cores/biostatistics-core/overview/)

**Priorities:** analysis for grant applications and Publications

**Pediatric Clinical Research Unit (PCRU)**–

A six-bed outpatient research unit/ A two-bed inpatient research unit/ A four-bed inpatient research unit/ A core research lab/ A research pharmacy/ Bionutrition services/ Nursing Services including, but limited to: Medication administration including investigational drugs; I.V. access and port access; I.V. infusions; Routine and complex vital sign monitoring; Phlebotomy; Timed specimen collections such as PK trials and oral glucose tolerance tests; Telemetry monitoring; For more information, please visit: [http://www.pedsresearch.org/research/support-services/dedicated-clinical-research-facilities](http://www.pedsresearch.org/research/support-services/dedicated-clinical-research-facilities)

**Laboratory Specimen Processing:**

Clinical Laboratory at Egleston and Scottish Rite

- **Heather MacDonald, Manager**
  - Advanced Diagnostics Laboratory
  - 404-785-5766
  - [Heather macdonald@choa.org](mailto:Heather.macdonald@choa.org) or [labresearchcoordinator@choa.org](mailto:labresearchcoordinator@choa.org)
  - Clinical trials specimen processing, shipping, limited storage
  - ACTSI processing lab
  - Laboratory inventory management system (LIMS) available
Pediatric Research Operations Leadership

Lucky Jain, MD, MBA
Chair
Department of Pediatrics

Clint Joiner, MD, PhD
Department of Pediatrics
Vice Chair for Research &
Children’s Chief Research Officer

Stacy Heilman, PhD
Associate Vice Chair for Research
CHOA & Emory
Grants Education, Cores

Meredith Capasse
Sr. Associate Program Director

Center Program Managers

TBH
Cores Administrator

Shantisa Fulgham
Emory, DOP Senior Business Manager

Liz McCarty
Vice Chair, DOP Administration & Executive Administrator, SOM

Melinda Downs, MPA, CRA
VP Children’s Research & Academic Administration, Clinical Research Support Services

Hema Mody
Children’s Director, Research Administration

Stephanie Meisner, RN
Children’s Director, Clinical Research

Children’s Research Managers, Research Coordinators

M.G. Finn, PhD
Georgia Tech
Chief Scientific Officer
Children’s Pediatric Technology Center

Sheri Russell
Georgia Tech
Program and Operations Manager
Children’s Pediatric Technology Center

Wilbur Lam, MD, PhD
Emory and Georgia Tech
Chief Innovation Officer
Atlanta Pediatric Technology Center

Becky Sutton
Children’s Manager
Finance Business Development

Wilbur Lam, MD, PhD
Emory and Georgia Tech
Chief Innovation Officer
Atlanta Pediatric Technology Center
Center Directors:

Aflac Cancer and Blood Disorders Center  
**Center Director:** Doug Graham, MD, PhD  
douglas.graham@choa.org  
Program Coordinator: Molly Green  
molly.green@emory.edu

Children’s Heart Research and Outcomes Center  
**Center Director:** Mike Davis, PhD  
michael.davis@bme.gatech.edu  
Program Manager: Kelcey Little, MS  
Kelcey.little@emory.edu

Center for Clinical and Translational Research  
**Center Directors:** Claudia Morris, MD  
claudia.r.morris@emory.edu  
and Miriam Vos, MD, MSPH  
MVOS@emory.edu  
Program Manager: Kelcey Little, MS  
Kelcey.little@emory.edu

Clinical Outcomes Research and Public Health  
**Interim Center Director:** Ann Mertens, PhD  
Ann.Mertens@choa.org  
Program Manager: Tracy Willoughby  
twillo2@emory.edu

Center for Cystic Fibrosis & Airways Disease Research  
**Center Director:** Nael McCarty, PhD  
namccar@emory.edu  
Program Manager: TBH

Center for Drug Discovery  
**Center Director:** Baek Kim, PhD  
Baek.kim@emory.edu  
Program Manager: Tracy Willoughby  
twillo2@emory.edu

Center for Childhood Infections and Vaccines  
**Center Director:** Ann Chahroudi, MD, PhD  
ann.m.chahroudi@emory.edu  
Program Manager: Megan Vallowe, PhD

Children’s Center for Neurosciences Research  
**Interim Center Director:** Stacy Heilman, PhD  
Stacy.heilman@emory.edu  
Program Manager: Gillian Glauber  
Gillian.Glauber@emory.edu

Center for Gastroenterology, Endocrinology, & Nutrition Innovation  
**Center Director:** Saul Karpen, MD, PhD  
Saul.karpen@emory.edu  
Program Manager: Gillian Glauber  
Gillian.glauber@emory.edu

Center for Pediatric Cellular Therapies  
**Center Directors:** Edwin M. Horwitz, MD, PhD  
edwin.horwitz@emory.edu  
and H. Trent Spencer, PhD  
hspence@emory.edu  
Program Manager: TBH

Children’s Center for Immunity and Applied Genomics  
**Center Director:** Subra Kugathasan, MD  
skugath@emory.edu  
**Co-Director:** Greg Gibson, PhD  
greg.gibson@biology.gatech.edu  
Program Manager: Tracy Willoughby  
twillo2@emory.edu

Marcus Autism Center  
**Center Director:** Ami Klin, PhD  
anmi.klin@emory.edu  
and Larry Scahill, MSN, PhD  
lawrence.scahill@emory.edu  
**Co-Director:** Gordon J. Ramsey, PhD  
gordon.ramsey@emory.edu  
Program Manager: Gillian Glauber  
Gillian.Glauber@emory.edu

Pediatric Technology Center  
**Chief Scientific Officer:** MG Finn, PhD  
mgfinn@gatech.edu  
Program and Operations Manager: Sheri Russell  
Sheri.Russell@tri.gatech.edu

Research Alliance Administration:  
**Lucky Jain, MD, MBA**  
Richard W Blumberg Professor and Chair  
Emory University School of Medicine, Department of Pediatrics, Executive Medical Director & Chief Academic Officer, Children’s Healthcare of Atlanta  
ljain@emory.edu

**Clinton Joiner, MD, PhD**  
Vice Chair for Research, Emory Department of Pediatrics  
Children’s Chief Research Officer  
clinton.joiner@emory.edu

**Stacy S. Heilman, PhD**  
Associate Vice Chair for Research  
Department of Pediatrics, Emory University & Children’s Healthcare of Atlanta  
stacy.heilman@emory.edu

**Liz McCarty**  
Vice Chair, DOP Administration & Executive Administrator,  
SOM  
smccar2@emory.edu

**Shantisa Fulgham**  
Senior Business Manager, Department of Pediatrics, Emory University  
sfulgha@emory.edu

**Melinda Downs, MPA, CRA**  
VP Research and Academic Administration  
Children’s Healthcare of Atlanta  
melinda.mathis@choa.org

**Hema Mody**  
Director, Research Administration  
Children’s Healthcare of Atlanta

**Stephanie Meisner, RN**  
Director, Clinical Research  
Children’s Healthcare of Atlanta  
stephanie.meisner@choa.org

**Meredith Capasse**  
Sr. Associate Program Director, Pediatric Research Alliance,  
Emory University & Children’s Healthcare of Atlanta  
m Meredith.capasse@emory.edu

Research Snapshot March 2022
Pediatric Research Alliance
Locations and Contacts:

**Emory Campus/Egleston**

**Emory-Children’s Center (E-CC)**

2015 Uppergate Drive
Atlanta, GA 30322

**Health Sciences Research Building (HSRB)**

1760 Haygood Drive, NE
Atlanta, GA 30322

**Egleston hospital**

1405 Clifton Road
Atlanta, GA 30322

**Associate Vice Chair for Research** Stacy Heilman, PhD
stacy.Heilman@emory.edu

**Sr. Associate Program Director:** Meredith Capasse
meredith.capasse@emory.edu

**Manager, Egleston campus:** Rebecca Cleeton
Rebecca.Cleeton@choa.org

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**Center for Advanced Pediatrics (CAP)**

1400 Tullie Road, NE
Atlanta, GA 30329

**Lead Research Nurse, Pediatric Research Center Unit (PRCU/CAP Building):** Cheryl Stone, RN
cheryl.stone@choa.org

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**Marcus Autism Center**

1920 Briarcliff Road, NE
Atlanta, GA 30329

**Program Manager:** Gillian Glauber
gillian.Glauber@emory.edu

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**Support Center I & II**

1575 Northeast Expressway
Atlanta, GA 30329

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**Georgia Institute of Technology**

**Atlanta Pediatric Technology Center**

**Main Contacts:**
Chief Innovation Officer: Wilbur Lam, MD, PhD, wilbur.lam@emory.edu
Chief Scientific Officer: M.G. Finn, PhD mgfinn@gatech.edu
Program and Operations Manager: Sheri Russell
Sheri.Russell@gatech.edu
950 Atlantic Drive, NW
Atlanta, GA 30332

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**Hughes Spalding Hospital**

35 Jesse Hill Jr. Drive SE
Atlanta, GA 30303-3032

**Research Coordinator, Marco Benoit, MS**
Macarthur.benoit@choa.org

**Morehouse School of Medicine**

**PI:** Lily Immergluck, MD, FAAP
Limmergluck@msm.edu

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**Scottish Rite Hospital**

*Research Office located in the Medical Library on the Ground Floor*
# Research-sponsored events/meetings:

*(This is an overview, for specific dates/events, go to: http://www.pedsresearch.org/calendar)*

<table>
<thead>
<tr>
<th>MONDAYS</th>
<th>TUESDAYS</th>
<th>WEDNESDAYS</th>
<th>THURSDAYS</th>
<th>FRIDAYS</th>
<th>VARIOUS DAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>K club: Monthly discussions/lectures for K award training, other grants training/education. Typically 2nd Monday, September to May, Contact Stacy Heilman <a href="mailto:Stacy.heilman@emory.edu">Stacy.heilman@emory.edu</a> for more information. <em>Sponsored by Departments of Pediatrics and Medicine, Georgia CTSA, CFAR and Winship Cancer Institute</em></td>
<td>Research Grand Rounds: one Wednesday each month, Egleston, 8:00 AM Contact Meredith Capasse <a href="mailto:meredith.capasse@emory.edu">meredith.capasse@emory.edu</a></td>
<td></td>
<td></td>
<td>Research Seminars: Fridays (Zoom/Egleston Classrooms). Contact Meredith Capasse for suggestions or needs <a href="mailto:Meredith.capasse@emory.edu">Meredith.capasse@emory.edu</a></td>
<td>Invited speakers through seminar series sponsored by centers; contact Center Directors or Meredith Capasse at <a href="mailto:Meredith.capasse@emory.edu">Meredith.capasse@emory.edu</a> if interested in upcoming events. Center Directors are listed on pedsresearch.org website.</td>
</tr>
</tbody>
</table>

Research Leadership Team (RLT) meetings: Designed for central team to discuss detailed operations and issues. For more information, contact Stacy Heilman [stacy.Heilman@emory.edu](mailto:stacy.Heilman@emory.edu)

Research Advisory Council (RAC) meetings: twice monthly; restricted to RAC membership, contact Clint Joiner, MD, PhD, [Clinton.joiner@emory.edu](mailto:Clinton.joiner@emory.edu)
## Specialized Research Equipment/Service Cores:

<table>
<thead>
<tr>
<th>CORE</th>
<th>SCIENTIFIC DIRECTOR</th>
<th>TECHNICAL DIRECTOR/CONTACT</th>
<th>EQUIPMENT</th>
<th>LOCATION</th>
<th>SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Animal Physiology Core</strong></td>
<td>Nitya Bakshi, MD</td>
<td>Ming Shen</td>
<td>• Small animal ventilator&lt;br&gt;• Cautery&lt;br&gt;• Temperature monitoring&lt;br&gt;• Anesthesia system&lt;br&gt;• Dissecting microscope&lt;br&gt;• Visualsonics Vevo 2100 High Frequency Ultrasound*</td>
<td>Emory-Children’s Center, 2nd Floor Lab</td>
<td>This core is a centralized resource specializing in survival surgery for rats and mice in addition to assistance with other USDA regulated animals such as rabbits, guinea pigs and piglets. The core director assists all investigators with development of IACUC protocols. Surgical services currently offered by the Core include pulmonary banding in rat and neonatal rabbit, aortic banding, myocardial infarction 5/6th nephrectomy for chronic kidney disease, liver-ischemia reperfusion and ultrasound guided injection ideally suited for targeted drug or cell therapy delivery. The Core also has available for use a Visualsonics Vevo 2100 High Frequency Ultrasound system that allows high resolution small animal ultrasound examinations for noninvasive measurement of in vivo structure and function. The Core Technical Director has been extensively trained in ultrasound techniques with many years’ experience thereby increasing reliability and reproducibility of imaging data. Studies can either be conducted in an assisted fashion or investigators can reserve the equipment and utilize their own laboratory personnel.</td>
</tr>
<tr>
<td><strong>Biomarkers Core</strong></td>
<td>Lou Ann Brown, PhD</td>
<td>Frank Harris</td>
<td>Agilent gas chromatography/mass spectrometer and Waters high performance HPLC with fluorescence detector</td>
<td>Emory-Children’s Center, 3rd Floor Lab</td>
<td>This cores analyzes markers of oxidative stress and markers of alcohol exposure. Speak to Scientific Director about other chromatography/mass spec assays available.</td>
</tr>
<tr>
<td><strong>Cardiovascular Imaging Core (CIRC)</strong></td>
<td>Ritu Sachdeva, MD</td>
<td>Joan Lipinski, RDCS, RDMS</td>
<td>Echocardiograms&lt;br&gt;- Flow Doppler&lt;br&gt;- 3-D Imaging&lt;br&gt;- Upright Bicycle&lt;br&gt;- VO2 Analysis&lt;br&gt;- Electrocardiogram&lt;br&gt;- Cardiac MRI</td>
<td>Outpatient Cardiac Services, 2nd Floor, Tower 1</td>
<td>This core provides non-invasive cardiac support for investigators involved in clinical research involving infants, children and adolescents. The CIRC has dedicated space, equipment and staff to provide you with quality cardiovascular imaging data that is collected in a meticulous, systematic, detail-orientated manner. Because of our unique set-up, we are able to utilize state-of-the-art imaging modalities not typically seen in the clinical setting.</td>
</tr>
<tr>
<td><strong>Flow Cytometry/Cell Sorting</strong></td>
<td>David Archer</td>
<td>Technical Director for Core: Aaron Rae</td>
<td>• BD FACS Canto II Flow Cytometer - Lab E-362, HSRB&lt;br&gt;• BD LSRII Flow Cytometer - Lab E-362, HSRB&lt;br&gt;• BD LSRII Flow Cytometer - Lab E-362A, HSRB&lt;br&gt;• BD FACS Aria II Cell Sorter - Lab E-362A, HSRB&lt;br&gt;• Imagestream X Mark II - Lab E-362, HSRB&lt;br&gt;• Luminox 100 Analyzer - Lab E-362, HSRB&lt;br&gt;• CTL-ImmuNoSpot-S6 Micro Analyzer (ELISPOT Reader) - E-480, HSRB</td>
<td>Health Sciences Research Building, E362</td>
<td>This core offers access to several state of the art analytical flow cytometers and Luminox as well as high-speed cell sorting. We also offer training as well as expert help to enable our users to improve the quality and scope of their research. The facility provides flow cytometric analyzers and Luminox for the following applications: Immunophenotyping&lt;br&gt;• Cell Cycle&lt;br&gt;• Ploidy&lt;br&gt;• Mitochondrial Potential&lt;br&gt;• Apoptosis&lt;br&gt;• PhosFlow&lt;br&gt;• Live/Dead&lt;br&gt;• Cell Proliferation&lt;br&gt;• Oxidative Burst&lt;br&gt;• Cytokine levels in serum and plasma&lt;br&gt;• Gene and protein expression in cells and body fluids</td>
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# Specialized Research Equipment/Service Cores

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<th>CORE</th>
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<tbody>
<tr>
<td>Medical Imaging Resources</td>
<td>Radiologists at Children’s Hospital</td>
<td>Erica Riedesel, MD</td>
<td>• Access to clinical CT (4), PET (1), Bone Densitometry (2), Fluoroscopy (8), Nuclear Medicine (4), Ultrasound (9) and X-ray. • Access to 6 clinical MRI scanners including a 1.0T intraoperative, 1.5T and 3T systems. • Access to 2 fMRI systems. • Sedation Services • Access to radiology investigators specializing in radiology, neuroradiology and interventional radiology. • Access to MRI physicists (3). • Access to research professionals including administrators and research coordinators. • Administrative services including scheduling, archival of images</td>
<td>We provide a cross-disciplinary scientific, administrative, and educational home for imaging science through the Emory Center for Systems Imaging (CSI) and the Pediatric Imaging Research Core (PIRC) at Children’s Healthcare of Atlanta.</td>
<td>Inpatient Imaging Resources</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:Erica.Riedesel@choa.org">Erica.Riedesel@choa.org</a></td>
<td></td>
<td></td>
<td>Outpatient Imaging Resources</td>
</tr>
<tr>
<td>Children's Clinical &amp; Translational</td>
<td>Chris Porter, MD</td>
<td>Mimi Le <a href="mailto:quyen.quynh.nguyen.levi@emory.edu">quyen.quynh.nguyen.levi@emory.edu</a></td>
<td>Freezers (-80, LN2)</td>
<td>Health Sciences Research Building, E264</td>
<td>New Biological Samples</td>
</tr>
<tr>
<td>Discovery Core</td>
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<td>• Collection</td>
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<pre><code>                                                                                       |                                              |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Processing                                                                                                                                                                                                                  |
                                                                                       |                                              |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Storage in a variety of storage media and freezers, including liquid nitrogen and -80 degree freezers. Monitoring systems ensure 24/7 specimen integrity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Distribution - Specimens are tracked electronically via the Nautilus LIMS System.                                                                                                                                                                                                                                                                     |
                                                                                       |                                              |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Samples Available for Withdrawal                                                                                                                                                                                                                                                                     |
                                                                                       |                                              |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • PBMCs, plasma, whole blood, DNA, and urine from pediatric patients with immune-mediated disorders, solid organ transplant recipients and/or patients with end-stage organ disease who are awaiting organ transplant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Blood and urine from living kidney donors and healthy controls with renal diagnoses of rejection, stable function or viremia.                                                                                                                                                                                                                     |
                                                                                       |                                              |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Clinical data also can be made available upon request.                                                                                                                                                                                                                                               | • Clinical data also can be made available upon request.                                                                                                                                                                                                                                         |
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# Partnership Cores

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<th>SCIENTIFIC DIRECTORS</th>
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<th>SERVICES</th>
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<tr>
<td><strong>Integrated Cell Imaging Core</strong></td>
<td>Adam Marcus, PhD Director, ICI</td>
<td>The rates for the microscopes included in this effort can be found at: <a href="http://www.cores.emory.edu/ici/documents/ICI%20Fees-Pediatrics%2020171.pdf">http://www.cores.emory.edu/ici/documents/ICI%20Fees-Pediatrics%2020171.pdf</a>.</td>
<td>A partnership facilitated by the Emory School of Medicine and includes the Pediatric Research Alliance Cellular Imaging Core along with other cellular imaging sites on campus including Winship Cancer Institute, Emory NINDS Neuroscience Core Facilities (ENNCF), and the Department of Physiology</td>
<td>This core provides training and access to advanced cellular imaging systems, including confocal and TIRF microscopy. For more information: <a href="http://www.pedsresearch.org/research/cores/integrated-cellular-imaging-core/overview/">http://www.pedsresearch.org/research/cores/integrated-cellular-imaging-core/overview/</a></td>
</tr>
<tr>
<td>Genetics/Genomics Core Resources</td>
<td>Laura Fox-Goharioon Associate Director for Research Projects, ICI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genetics/Genomics Core (EIGC): <a href="mailto:EIGC@emory.edu">EIGC@emory.edu</a></td>
<td>The Emory Integrated Genomics Core (EIGC): <a href="mailto:EIGC@emory.edu">EIGC@emory.edu</a></td>
<td>The EIGC is a full-service genomics and computational facility offering Emory researchers the ability to use the latest technologies and methods of analysis in their research. We offer next-generation sequencing, high density microarray services, targeted enrichment, single nucleotide polymorphism (SNP) genotyping, and cutting-edge computational services built around our custom Galaxy server and Emory University's high performance computing and storage infrastructure. Please go to this link to learn more: Emory Integrated Genomics Core.</td>
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<td>Emory Genetics Laboratory (EGL): <a href="mailto:dohginfo@emory.edu">dohginfo@emory.edu</a> or <a href="mailto:domglab@emory.edu">domglab@emory.edu</a></td>
<td>Emory Genetics Laboratory (EGL) is a “one-stop shop” for genetic testing. Its molecular genetics, biochemical genetics, and cytogenetics laboratories are fully integrated and offer one of the most comprehensive test menus available – more than 900 genetic tests are available for clinicians and researchers. As part of Emory University School of Medicine, EGL remains on the forefront of the latest technologies, including exome sequencing, next generation sequencing, whole genomic and targeted microarrays, and more. ABMG-accredited laboratory directors and NSGC-certified laboratory genetic counselors are available to all ordering clinicians and researchers. For more information, please visit Emory Genetics Laboratory.</td>
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### Funding Opportunities:

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<tr>
<th>Funding Opportunity</th>
<th>Funding Limit</th>
<th>Funding Term</th>
<th>Deadline</th>
<th>Eligibility</th>
<th>Post Award Expectations</th>
<th>Additional Information</th>
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<tr>
<td>Research Center Pilot Grants (including Emory &amp; GA Tech based centers)</td>
<td>$50,000 (some GA Tech are $60K)</td>
<td>12 months</td>
<td>Usually mid-winter; Emory-based are due roughly every other year and GA Tech-based offered every year</td>
<td>1. Must include a member of the center and/or member of Children’s medical staff 2. GA Tech Pediatric Technology Center (PTC) -- must also include member of GA Tech faculty</td>
<td>1. Must provide annual report specifying related publications, grant applications submitted and extramural funding received. 2. Must apply for extramural funding within one year of project conclusion date.</td>
<td><a href="http://www.pedsresearch.org/research/resources/funding/pilot-grant-programs">http://www.pedsresearch.org/research/resources/funding/pilot-grant-programs</a></td>
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<tr>
<td>Imlay Innovation Fund</td>
<td>Two types of projects are eligible for funding: 1. <strong>Quick Wins</strong>: Quick Wins (QW) allows Children’s clinicians and clinical administrative leaders to bring problems that impact care delivery to the attention of scientists and engineers at Georgia Tech to help develop innovative solutions. Successful projects have ranged from pediatric specific surgical device development in partnership with a surgeon and biomedical engineer to improvement of workflow in a busy outpatient clinic in partnership with physicians, clinical administrative leadership, architectural researchers, and industrial engineers. Quick Wins supports projects that can be accomplished in 12-18 months and can be quickly translated into practice. It is possible, but not guaranteed, that a Quick Wins award could help to position an investigator for a successful Innovation Investment application (described below) within the 2 years following the QW award. Quick Wins awards will be funded up to $125K. 2. <strong>Innovation Investment</strong>: Innovation Investment is intended to help bridge the funding gap that often blocks the next phase of implementation or commercialization after initial proof of concept. Innovation Investment awards should allow investigators to collect much-needed data, complete further proof-of-concept studies, or to produce prototypes for testing in order to effectively compete for extramural or investment funding. Innovation Investment projects will typically be funded for a one-year period. Applications for multi-year awards will be accepted only with prior approval, and can receive a total of no more than $250K. An important part of the proposal is a potential for commercialization and/or implementation, as well as potential to positively impact child health. For more information: <a href="https://ptc.gatech.edu/imlay-innovation-fund-1">https://ptc.gatech.edu/imlay-innovation-fund-1</a></td>
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# Additional Resources:

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<th>Research listserv:</th>
<th>Website:</th>
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<tr>
<td>Contact <a href="mailto:Meredith.capasse@emory.edu">Meredith.capasse @emory.edu</a> to be added to this listserv used to disseminate all pediatric research related announcements including seminars, funding opportunities, such as the BiRD (<em>Bringing in Research Dollars</em>), and the Weekly PREP (<em>Pediatric Research Events and Programs</em>).</td>
<td><a href="http://www.pedsresearch.org">www.pedsresearch.org</a></td>
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<td>This is the central resource for research seminar info, contacts, cores, calendars, and forms.</td>
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## Emory Library Resources

- [http://www.healthlibrary.emory.edu/](http://www.healthlibrary.emory.edu/)
- Ask a librarian: [http://health.library.emory.edu/about/contact/ask.php](http://health.library.emory.edu/about/contact/ask.php)

## Scottish Rite and Egleston Library Resources

- **Christine Willis**  
  Clinical Information Librarian, Inman Medical Library at Children's at Egleston  
  404-785-1481
- **Kate Daniels**  
  Clinical Information Librarian at Scottish Rite  
  404-785-2157
- If you have access to Careforce — use the following link: [http://careforceconnection/Departments/HumanResources/Learning%20Services/LibrarServices/Pages/Home.aspx](http://careforceconnection/Departments/HumanResources/Learning%20Services/LibrarServices/Pages/Home.aspx)
- If you do not have access to Careforce -- use the following link: [https://www.choa.org/medical-professionals/physician-resources/medical-libraries](https://www.choa.org/medical-professionals/physician-resources/medical-libraries)