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/coordinators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stacy Heilman, PhD Director, Research Operations 404-727-4819 <a href="mailto:stacy.heilman@emory.edu">stacy.heilman@emory.edu</a></td>
<td>CHOA Clinical Research Administration Sarah Marie Huban <a href="mailto:sarahmarie.huban@choa.org">sarahmarie.huban@choa.org</a> 404-785-7477 and Stephanie Meisner <a href="mailto:Stephanie.Meisner@choa.org">Stephanie.Meisner@choa.org</a> 404-785-6453</td>
</tr>
<tr>
<td>• Assistance with finding grant opportunities and connecting to collaborators</td>
<td>Manager, Egleston campus: Lawrence Matarutse 404-785-0109 <a href="mailto:Lawrence.Matarutse@choa.org">Lawrence.Matarutse@choa.org</a></td>
</tr>
<tr>
<td>• Core laboratory assistance, supervision</td>
<td>Manager, Hughes Spalding/Scottish Rite campuses: Beena Desai 404-785-2269 <a href="mailto:beena.desai@choa.org">beena.desai@choa.org</a></td>
</tr>
<tr>
<td>Grants &amp; Manuscript Editing</td>
<td>Lead Research Nurse, Pediatric Research Center (PCRU/CAP Building): Cheryl Stone, RN <a href="mailto:cheryll.stone@choa.org">cheryll.stone@choa.org</a> 404-785-0400-main number</td>
</tr>
<tr>
<td>• Prioritized for extramural funding opportunities, program projects</td>
<td>Biostatistics Core Scott Gillespie, MS, Associate Director Traci Leong, PhD Janet Figueroa, MPH Mike Kelleman, MSPH Procedure: Request form located at: <a href="http://www.pedsresearch.org/research/cores/biostatistics-core/overview/">http://www.pedsresearch.org/research/cores/biostatistics-core/overview/</a> Priorities: analysis for grant applications and Publications</td>
</tr>
<tr>
<td>• Experienced at program project management, grant and scientific paper editing</td>
<td>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: <a href="http://www.pedsresearch.org/research/support-services/dedicated-clinical-research-facilities">http://www.pedsresearch.org/research/support-services/dedicated-clinical-research-facilities</a></td>
</tr>
<tr>
<td>• Request form on pedsresearch.org; send to Stacy Heilman</td>
<td></td>
</tr>
</tbody>
</table>

**Emory Clinical Research Services**

Nadine Spring, Director [Nadine.spring@emory.edu](mailto:Nadine.spring@emory.edu) 404-727-5234

Scientific Facilities Manager

Kira Moresco, MS [kira.moresco@emory.edu](mailto:kira.moresco@emory.edu) 404-727-6515

**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.

**Biostatistics Core**

Scott Gillespie, MS, Associate Director

• Traci Leong, PhD

• Janet Figueroa, MPH

• Mike Kelleman, MSPH


**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
Research Leadership

Lucky Jain, MD, MBA
Chair
Department of Pediatrics

Clint...
Pediatric Research Alliance Center Contacts

**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 Coordinator: Ebonee Pope  
ebonee.j.pope@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 Coordinator: Ebonee Pope  
ebonee.j.pope@emory.edu

Center for Cystic Fibrosis & Airways Disease Research  
*Center Director: Nael McCarty, PhD* namccar@emory.edu  
Program Coordinator: Lilly Meier  
lilly.chriszt@emory.edu

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

Center for Childhood Infections and Vaccines  
*Center Director: Ann Chahroudi, MD, PhD* ann.m.chahroudi@emory.edu  
Program Coordinator: Karol Flowers  
karol.flowers@emory.edu

Center for Cystic Fibrosis & Airways Disease Research  
*Center Director: Edwin M. Horwitz, MD, PhD* edwin.horwitz@emory.edu and  
H. Trent Spencer, PhD hspence@emory.edu  
Program Coordinator: Jianing Li, PhD  
jianing.li@emory.edu

Center for Transplantation & Immune-mediated Disorders  
*Center Director: Subra Kugathasan, MD* skugath@emory.edu  
Co-Director: Greg Gibson, PhD  
greg.gibson@biology.gatech.edu  
Program Coordinator: Tracy Willoughby  
twillo2@emory.edu

Marcus Autism Center  
*Center Director: Ami Klin, PhD*  
ami.klin@emory.edu and  
Larry Scahill, MSN, PhD lawrence.scahill@emory.edu  
and Gordon J. Ramsey, PhD gordon.ramsay@emory.edu  
Program Coordinator: Jennifer Shipp  
jennifer.shipp@choa.org

Children's Center for Neurosciences Research  
*Interim Center Director: Susan Margulies, PhD* susan.margulies@gatech.edu  
Program Coordinator: Karol Flowers  
karol.flowers@emory.edu

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

Clinical Outcomes Research and Public Health  
*Interim Center Director: Ann Mertens, PhD* Ann.Mertens@choa.org  
Program Coordinator: Tracy Willoughby  
twillo2@emory.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  
Director for Research Operations  
Director of Programs & Grants Advocate, Department of Pediatrics, Emory University & Children’s Healthcare of Atlanta  
stacy.heilman@emory.edu

Liz McCarty  
Vice Chair, DOP Administration & Executive Administrator, SOM  
mccart2@emory.edu

Shantisa Fulgham  
Senior Business Manager, Department of Pediatrics, Emory University  
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Melinda Mathis, MPA, CRA  
VP Research and Academic Administration  
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melinda.mathis@choa.org

Sarah Marie Huban, MA, CIP, CHRC  
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sarah.marie.huban@choa.org

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

Barbara W. Kilbourne, RN, MPH  
Assistant Director, Pediatric Research Alliance, Emory University & Children’s Healthcare of Atlanta  
barbara.kilbourne@choa.org

Research Snapshot November 2020
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

**Director for Research Operations** Stacy Heilman, PhD
stacy.Heilman@emory.edu

**Assistant Director, Program:** Barbara Kilbourne, RN, MPH
barbara.kilbourne@emory.edu

**Manager, Egleston campus:** Lawrence Matarutse
Lawrence.Matarutse@choa.org

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**Centers:**

- **Aflac Cancer and Blood Disorders Center**
  Program Coordinator: Molly Green
  molly.green@emory.edu

- **Children’s Heart Research and Outcomes Center**
  Program Coordinator: Ebonee Pope
  ebonee.j.pope@emory.edu

- **Children’s Center for Clinical and Translational Research**
  Program Coordinator: Ebonee Pope
  ebonee.j.pope@emory.edu

- **Clinical Outcomes Research & Public Health**
  Program Coordinator: Tracy Willoughby
  twillo2@emory.edu

- **Center for Cystic Fibrosis & Airways Disease Research**
  Program Coordinator: Lilly Meier
  lilly.chriszt@emory.edu

- **Center for Drug Discovery**
  Program Coordinator: Tracy Willoughby
  twillo2@emory.edu

- **Center for Childhood Infections and Vaccines**
  Program Coordinator: Karol Flowers
  karol.flowers@emory.edu

- **Children’s Center for Neurosciences Research**
  Program Coordinator: Karol Flowers
  karol.flowers@emory.edu

- **Center for Pediatric Cellular Therapies**
  Program Coordinator: Jianing Li, PhD
  jianing.li@emory.edu

- **Center for Transplantation & Immune-mediated Disorders**
  Program Coordinator: Tracy Willoughby
  twillo2@emory.edu

---

**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
- Strategic Partners Officer: Sherry Furrugia, sherry.furrugia@gatech.edu
- Program and Operations Manager: Sheri Russell
  Sheri.Russell@gatech.edu

**Program Coordinator:** Tracy Willoughby
  twillo2@emory.edu

**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
cheryll.stone@choa.org

**Hughes Spalding Hospital**

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

**Research Coordinator,** Saadia Khizer
Saadia.khizer@choa.org

**Morehouse School of Medicine**

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

**Marcus Autism Center**

1920 Briarcliff Road, NE
Atlanta, GA  30329

**Program Coordinator:** Jennifer Shipp
Jennifer.shipp@choa.org

**Scottish Rite Hospital* **

1001 Johnson Ferry Road NE
Atlanta, GA 30342-1605

**Children’s Center for Clinical and Translational Research**

**Center Directors:** Claudia Morris, MD, FAAP
claudia.r.morris@emory.edu and Miriam Vos, MD, MSPH
MVOS@emory.edu

**Program Coordinator:** Julie Sullivan
jsulliv@emory.edu

**Manager, SR Campus:** Beena Desai
Beena.desai@choa.org

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*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](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>Research Operations Council (ROC) meetings: occurs monthly at HSRB, E482. Designed for central team to discuss detailed operations and issues. For more information, contact Stacy Heilman <a href="mailto:stacy.Heilman@emory.edu">stacy.Heilman@emory.edu</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Research Advisory Council (RAC) meetings: once monthly; restricted to RAC membership, contact Clint Joiner, MD, PhD for inquiries or suggestions <a href="mailto:Clinton.joiner@emory.edu">Clinton.joiner@emory.edu</a></td>
</tr>
<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 and Georgia CTSA and CFAR</em></td>
<td>Research Grand Rounds: 3rd Wednesday of month, Egleston, 8:00 AM Contact Barbara Kilbourne <a href="mailto:barbara.kilbourne@choa.org">barbara.kilbourne@choa.org</a></td>
<td></td>
<td>Research Seminars: Fridays (Zoom/Egleston Classrooms). Contact Barbara Kilbourne for suggestions or needs <a href="mailto:barbara.kilbourne@choa.org">barbara.kilbourne@choa.org</a></td>
<td></td>
<td>Invited speakers through seminar series sponsored by centers; contact Center Directors or Barbara Kilbourne at <a href="mailto:barbara.kilbourne@choa.org">barbara.kilbourne@choa.org</a> if interested in upcoming events. Center Directors are listed on pedsresearch.org website.</td>
</tr>
</tbody>
</table>
## 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>Animal Physiology Core</td>
<td>Josh Maxwell, PhD</td>
<td>Ming Shen</td>
<td>Small animal ventilator</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>Biomarkers Core</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 core 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>Cardiovascular Imaging Core (CIRC)</td>
<td>Ritu Sachdeva, MD</td>
<td>Joan Lipinski, RDCS, RDMS</td>
<td>Echocardiograms</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>Flow Cytometry/Cell Sorting</td>
<td>David Archer</td>
<td>Technical Director for Core: Aaron Rae</td>
<td>BD FACs Canto II Flow Cytometer - Lab E-362, HSRB</td>
<td>Health Sciences Research Building, E362</td>
<td>This core offers access to several state of the art analytical flow cytometers and Luminex 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 Luminex for the following applications: Immunophenotyping • Cell Cycle • Ploidy • Mitochondrial Potential • Apoptosis • PhosFlow • Live/Dead • Cell Proliferation • Oxidative Burst • Cytokine levels in serum and plasma • Gene and protein expression in cells and body fluids</td>
</tr>
</tbody>
</table>
## Specialized Research Equipment/Service Cores

<table>
<thead>
<tr>
<th>CORE</th>
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<th>EQUIPMENT</th>
<th>LOCATION</th>
<th>SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Imaging Resources</td>
<td>Radiologists at Children’s are board certified with additional training in pediatric imaging and are available for consultation upon request. This operation also includes physicists with imaging expertise and other staff experts.</td>
<td>Erica Riedesel, MD <a href="mailto:Erica.Riedesel@choa.org">Erica.Riedesel@choa.org</a></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>Health Sciences Research Building, E264</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>
</tr>
</tbody>
</table>

### Inpatient Imaging Resources

### Outpatient Imaging Resources

| Children's Clinical & Translational Discovery Core | Chris Porter, MD <chris.porter@emory.edu> | Bradley Hanberry, PhD <bradley.hanberry@emory.edu> | Freezers (-80, LN2) | Health Sciences Research Building, E264 | New Biological Samples
|--------------------------------------------------|------------------------------------------|------------------------------------------------|-------------------|------------------------------------------|-------------------|
|                                                 |                                         |                                                 |                   |                                          | Collection
|                                                 |                                         |                                                 |                   |                                          | 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. |
# Partnership Cores

<table>
<thead>
<tr>
<th>CORE</th>
<th>SCIENTIFIC DIRECTORS</th>
<th>EQUIPMENT</th>
<th>LOCATION</th>
<th>SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Integrated Cell Imaging Core</strong>&lt;br&gt;&lt;br&gt;Adam Marcus, PhD&lt;br&gt;Director, ICI&lt;br&gt;<a href="mailto:aimarcu@emory.edu">aimarcu@emory.edu</a>&lt;br&gt;Laura Fox-Goharioon&lt;br&gt;Associate Director for Research Projects, ICI&lt;br&gt;<a href="mailto:laura.fox-goharioon@emory.edu">laura.fox-goharioon@emory.edu</a>&lt;br&gt;Neil Anthony, PhD&lt;br&gt;<a href="mailto:neil.anthony@emory.edu">neil.anthony@emory.edu</a>&lt;br&gt;404-969-CORE&lt;br&gt;April Reedy&lt;br&gt;<a href="mailto:April.reedy@emory.edu">April.reedy@emory.edu</a></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>.&lt;br&gt;Pediatric researchers will benefit from a 40% subsidy when using any of the ICI equipment and technologies. ICI also provides expert consultation, training, and assistance on all technologies. More information on the microscopes and services available, locations, and how to become a user is available at <a href="http://www.cores.emory.edu/eigc/">http://www.cores.emory.edu/eigc/</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>
<td></td>
</tr>
<tr>
<td><strong>Genetics/Genomics Core Resources</strong>&lt;br&gt;&lt;br&gt;The Emory Integrated Genomics Core (EIGC):&lt;br&gt;Michael Zwick, PhD&lt;br&gt;<a href="mailto:mzwick@emory.edu">mzwick@emory.edu</a> or <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: <a href="http://www.emory.edu/docs/default-source/pediatric-research/cores/eigc_eim.pdf">Emory Integrated Genomics Core</a>.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emory Genetics Laboratory (EGL):&lt;br&gt;<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 <a href="http://www.emory.edu/docs/default-source/pediatric-research/cores/egl_eim.pdf">Emory Genetics Laboratory</a>.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Funding Opportunities:

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<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>
</tr>
</tbody>
</table>

---

### Imlay Innovation Fund

Intended solely to support collaborative activities and pediatric innovation and discovery efforts between Georgia Tech and Children’s, focusing on practical steps that will lead to clinical impact as well as potential commercial opportunities.

Two types of projects are eligible for funding:

1. **Quick Wins: 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. **Innovation Investment**: 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: [https://ptc.gatech.edu/imlay-innovation-fund-1](https://ptc.gatech.edu/imlay-innovation-fund-1)
### Additional Resources:

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<th>Research listserv:</th>
<th>Website:</th>
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<tr>
<td>Contact <a href="mailto:barbara.kilbourne@choa.org">barbara.kilbourne@choa.org</a> to be added to this listserv used to disseminate all pediatric research related announcements including seminars, funding opportunities, such as the <strong>BiRD ( Bringing in Research Dollars)</strong>, and the Weekly PREP (<strong>Pediatric Research Events and Programs</strong>)</td>
<td><a href="http://www.pedsresearch.org">www.pedsresearch.org</a></td>
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<tr>
<td>This is the central resource for research seminar info, contacts, cores, calendars, and forms.</td>
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<tr>
<th>Emory Library Resources</th>
<th>Scottish Rite and Egleston Library Resources</th>
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| [http://www.healthlibrary.emory.edu/](http://www.healthlibrary.emory.edu/) | **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)  
| [http://health.library.emory.edu/about/contact/ask.php](http://health.library.emory.edu/about/contact/ask.php)  
| Ask a librarian: [http://health.library.emory.edu/about/contact/ask.php](http://health.library.emory.edu/about/contact/ask.php)  
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