FELLOWSHIP
AT THE UNIVERSITY OF ALABAMA AT BIRMINGHAM (UAB) DEPARTMENT OF PEDIATRICS

UAB MEDICINE
PEDIATRICS

Children’s of Alabama
The UAB Department of Pediatrics clinical services are provided at Children’s of Alabama. Children’s of Alabama is a private, not-for-profit medical center that also serves as the primary site of the UAB pediatric medicine, surgery, research, fellowship and residency programs. For more than 50 years, the partnership between UAB and Children’s has provided outstanding care to the youngest, most vulnerable patients and established Birmingham as a nationally renowned center for pediatric medicine. This powerful alliance allows these two institutions to leverage their unique strengths and resources to pursue a joint mission—to offer world-class pediatric health services in an environment that fosters world-class research, excellence in medical education, and access to leading-edge treatments for pediatric illnesses and injuries.
We’re very glad you’re here! Thank you for your interest in our Fellowship Programs.

Throughout this booklet, we hope you’ll find beneficial information that will help in your fellowship decision.

If there is something you would like to know that is not included, please contact us.

MITCH COHEN, MD
Department of Pediatrics
Chair

ANN KLASNER, MD, MPH
Pediatric Subspecialty Director
aklasner@peds.uab.edu

RONDA CHANDLER
Subspecialty Coordinator (Point of Contact)
rchandler@peds.uab.edu
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome</td>
<td>4</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>5</td>
</tr>
<tr>
<td>UAB Pediatrics by the Numbers</td>
<td>6</td>
</tr>
<tr>
<td>Birmingham by the Numbers</td>
<td>7</td>
</tr>
<tr>
<td>About Birmingham</td>
<td>8</td>
</tr>
<tr>
<td>Where Fellows Live</td>
<td>11</td>
</tr>
<tr>
<td>Overview of Fellowship Programs</td>
<td>12</td>
</tr>
<tr>
<td>Where Our Fellows Come From and Go</td>
<td>13</td>
</tr>
<tr>
<td>Child Health Investigate Forum</td>
<td>14</td>
</tr>
<tr>
<td>Core Educational Curriculum</td>
<td>15</td>
</tr>
<tr>
<td>Dixon Fellowship Award</td>
<td>16</td>
</tr>
<tr>
<td>Chu Family Educational Scholarship</td>
<td>17</td>
</tr>
<tr>
<td>OnBoard Birmingham</td>
<td>18</td>
</tr>
<tr>
<td>Pediatric Science Day</td>
<td>19</td>
</tr>
<tr>
<td>Quality Improvement and Patient Safety</td>
<td>20</td>
</tr>
<tr>
<td>Simulation Center</td>
<td>21</td>
</tr>
<tr>
<td>UAB Department of Pediatrics Faculty</td>
<td>22</td>
</tr>
<tr>
<td>Policies and Procedures</td>
<td>24</td>
</tr>
<tr>
<td>Initial Resident Agreement</td>
<td>25</td>
</tr>
<tr>
<td>Salary and Benefits</td>
<td>26</td>
</tr>
<tr>
<td>Benefits Overview</td>
<td>27</td>
</tr>
<tr>
<td>Individual Fellowship Programs</td>
<td>28-45</td>
</tr>
<tr>
<td>Acknowledgement</td>
<td>46</td>
</tr>
<tr>
<td>Notes</td>
<td>47</td>
</tr>
</tbody>
</table>
UAB PEDIATRICS BY THE NUMBERS (2015)

71,128
NUMBER OF VISITS TO EMERGENCY MEDICINE

914
PEDIATRIC CRITICAL CARE TRANSPORTS

201
PEDIATRIC MEDICAL FACULTY MEMBERS

18 FELLOWSHIP PROGRAMS

59 FELLOWS

86 RESIDENTS

380 LICENSED BEDS AND BASSINETS

246 DAILY AVERAGE CENSUS

7 CONSECUTIVE YEARS RANKED AMONG NATION'S BEST BY U.S. NEWS AND WORLD REPORT

15,462 INPATIENT ADMISSIONS

350,158 OUTPATIENT CLINIC VISITS
BIRMINGHAM BY THE NUMBERS

2 AVERAGE INCHES OF ANNUAL SNOWFALL

12 Jefferson County Hospitals

15 - 20 AVERAGE NUMBER OF MINUTES TO COMMUTE TO WORK

22 PUBLIC GOLF COURSES

23 ALABAMA STATE PARKS

50 + SHOPPING CENTERS

62°F AVERAGE TEMPERATURE

117 DAYS OF PRECIPITATION

$990 AVERAGE RENT FOR A 2 BEDROOM APARTMENT

500+ RESTAURANTS

147 MILES TO ATLANTA, GA

210 MILES TO DESTIN, FL (BEACH)
IT’S NICE TO HAVE YOU

THE BIRMINGHAM ZOO

RAILROAD PARK

VULCAN PARK

BARONS FIELD

BIRMINGHAM BOTANICAL GARDENS

BIRMINGHAM CIVIL RIGHTS INSTITUTE
IN BIRMINGHAM

BARBER MOTORSPORTS PARK & MUSEUM

RUFFNER MOUNTAIN

ROBERT TRENT JONES GOLF TRAIL

RED MOUNTAIN PARK

PEPPER PLACE MARKET
ABOUT BIRMINGHAM

VISIT HTTP://WWW.UAB.EDU/MEDICINE/HOME/BIRMINGHAM TO FIND OUT:

WHERE TO LIVE

THINGS TO DO

DINING

OUTDOORS

SHOPPING

NIGHTLIFE
WHERE FELLOWS LIVE
Approximately 80% of our Pediatric fellowship graduates go into academics or seek additional training. While 20% go into private practice or other areas of interest (i.e., CDC, International Missions, etc.)
OH THE PLACES YOU’LL GO

WHERE NEW UAB PEDIATRIC FELLOWS COME FROM 2016-2017

WHERE UAB PEDIATRIC FELLOWS GO 2000-2016

Indicates where our current fellows completed their residency training

Indicates where our fellows have gone after graduating

In addition to the US, we have had fellows move to practice in Canada, Chile, India, Ireland, Kenya, Poland, Saudi Arabia and Zambia.
The Child Health Investigative Forum (CHIF) was organized to promote internal discussion of research-related topics across division, department and university lines. Presentations may cover any type of research related to child health. They may include research in the basic sciences, clinical investigation, public health, health systems research, medical humanities, or any other child-health related areas of interest to pediatrics and related subspecialties. The interactions generated in this setting are a fundamental component of the academic environment and experience of the UAB Department of Pediatrics, and are integral to the pursuit of an academic career. The CHIF lectures are on first and third Fridays.

EXAMPLE PRESENTATIONS

- Influenza Pathogenesis, Transmission and Immunity
- A Personalized Approach to Cystic Fibrosis
- Targeting Thioredoxin Reductase to Prevent Oxygen-Induced Lung Injury
- Piecing Together the Puzzle of Disparities in Adolescents and Young Adults with Cancer
- Halogen Toxicity-Induced Pre-eclampsia
- Child Life Specialists Lessen the Emotional Responses of Children During Laceration Repair in the Emergency Department
- Allergic Airway Sensitization Impairs Antibody Responses During Mycoplasma Pneumoniae Infection
- Factors Influencing Decisions Regarding HPV Vaccination Among Non-vaccinated Rural Alabama Youth and Their Caregivers
The Fellows’ Core Educational Series was organized in 2015 to supplement individual divisional level educational efforts. The primary focus is on topics that cross all fellowships. Examples of topics to be covered include: career development, education related topics, teaching and presenting skills, cultural competency, communication, advocacy and leadership. The Fellows’ Core Educational Series will generally occur on the second Friday of the month.

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>YEAR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk Management</td>
<td>Research Grants</td>
</tr>
<tr>
<td>Library Resources</td>
<td>Research Ethics</td>
</tr>
<tr>
<td>Leadership Skills</td>
<td>Biostatistics and Epi</td>
</tr>
<tr>
<td>Negotiating for an Academic Job</td>
<td>Evidence Based Medicine</td>
</tr>
<tr>
<td>Contracts</td>
<td>IRB Management</td>
</tr>
<tr>
<td>Advocacy</td>
<td>Presenting Research</td>
</tr>
<tr>
<td>Professionalism</td>
<td>Research Design</td>
</tr>
<tr>
<td>Wellness</td>
<td>Simulation in Education</td>
</tr>
<tr>
<td>Economics of Healthcare</td>
<td>Promotion and Tenure</td>
</tr>
<tr>
<td>Academic Success</td>
<td>CV Preparation</td>
</tr>
<tr>
<td>Presentation Skills</td>
<td>Quality Improvement</td>
</tr>
<tr>
<td>Social media</td>
<td>Patient Safety</td>
</tr>
</tbody>
</table>
The Dixon Foundation endows a fellowship program in Pediatrics expressly aimed at supporting postdoctoral training and research in approved Pediatric subspecialties to prepare outstanding fellows for a career in academia. The program was initiated in 1988 by Ed and Peggy Dixon following the loss of their grandson, Bradford Dean Dixon, to Biliary Atresia in the mid-1980’s. As part of this prestigious award, recipients benefit from salary support and additional $5,000 per year discretionary funds to support research and continuing education activities.

---

**2016 DIXON FELLOWS**

Dr. Jenny K. McDaniel  
Hematology/Oncology  
One Year Award

Dr. Claudette Poole  
Infectious Diseases  
Two Year Award

Dr. Eric Ring  
Hematology/Oncology  
One Year Award

Dr. Nathanael Swinger  
Critical Care  
One Year Award

Dr. Colm Travers  
Neonatology  
One Year Award
The Chu Family has provided a generous gift for educational initiatives. A large portion of the gift has been set aside specifically for Pediatric Fellows. A competitive process is in place for fellows to apply for these funds on a yearly basis. Some examples of education endeavors that are suitable for application include: Masters of Public Health, Master of Science in Public Health, Quality Academy, Master of Quality and Safety, Masters of Education, Masters of Business Administration, others not covered above such as Simulation, etc... To date, we have been able to award Chu Scholarships to 5 Pediatric Fellows to assist in furthering their educational goals.

2015-2016 CHU FAMILY SCHOLARS

Dr. Nicholas CaJacob
Gastroenterology/Nutrition Fellow
Educational Initiative: UAB Health Care Quality and Safety Certificate Program

Dr. Lauren “Beth” Shipman
Rheumatology Fellow
Educational Initiative: Medical Education Certificate Program through the University of Cincinnati

Dr. Megan Yanik
Nephrology Fellow
Educational Initiative: Masters of Science in Public Health in Clinical and Translational Research at UAB

2016-2017 CHU FAMILY SCHOLARS

Dr. Kathryn Hines
Hospital Medicine Fellow
Educational Initiative: Medical Education Certificate Program through the University of Cincinnati

Dr. Adolfo Molina
Hospital Medicine Fellow
Educational Initiative: UAB Health Care Quality and Safety Certificate Program
ONBOARD BIRMINGHAM

OnBoard Birmingham is a program designed to provide early career professionals the opportunity to meaningfully connect to the Birmingham community. Started in 2014, the program is designed to expose participants to local leaders in diverse segments including nonprofits, business, education, and politics. The program consists of roughly 12 events scheduled from late summer through the fall that are conveniently scheduled in the late evenings (typical start time is 6 p.m.) to facilitate young professionals busy schedules. Last year’s event locations included the John Hand Club, Sloss Visitors Center, Avondale Brewery, the Edge of Chaos, and the Birmingham Civil Rights Museum among others. Some of the topics covered included programs on Birmingham’s history, economy, and culture, a meet and greet with local nonprofit leaders, two group service projects, and a look at Birmingham’s recent urban redevelopment. More information on this year’s program will be available at the Birmingham Business Alliance website: www.birminghambusinessalliance.com. Two current pediatric fellows will be awarded full scholarships for the OnBoard Birmingham program through a generous sponsorship from Children’s of Alabama CEO, Mr. Mike Warren.

Mike Warren, Children’s of Alabama CEO, sponsors two pediatric fellows full scholarships to participate in the OnBoard Birmingham Program. For questions, contact Dr. Nick CaJacob at ncajacob@uabmc.edu.
The first annual Pediatric Science Day was held in March 2016 in the Bradley Conference Center. The day was a huge success! Twenty pediatric presentations were showcased including presentations by 12 pediatric fellows, six pediatric residents, one post doc in psychology and one medical student. Additionally, eight posters were presented, five by pediatric fellows, one by a chief resident, one by a nutrition graduate student and one by a research associate. We were thrilled that Dr. Paul Spearman, Vice Chair of Research from Emory University was able to join us as the featured Grand Rounds speaker. He was an integral active participant during both the platform and poster sessions, and gave a very informative grand rounds presentation. Three fellows were highlighted with best abstracts in their section: Dr. Eric Ring and Dr. Jenny McDaniel, first and second year fellows from Hematology/Oncology, and Dr. Johanna Hall, third year fellow from Emergency Medicine. The day was even more complete as close to 70 faculty members took time to enjoy the presentations during the day.

In the Department of Pediatrics, we seek to discover new knowledge to improve the health of the children of Alabama, the region and, the world. For fiscal year 2015, we were ranked #16 in NIH funding among all Pediatric Departments with $14.85 million in NIH awards.
Quality improvement and patient safety are key educational components to fellowship training. The University of Alabama at Birmingham (UAB) has a unique certificate program in Healthcare Quality and Safety; this program can lead to a Master’s degree via the School of Health Professions. Fellows may apply and participate in this program. Realizing that all fellows may not have the time and commitment to obtain this certificate a UAB Mini-Quality Academy has been developed. Each one day sessions allows for inter-professional training and collaboration in Quality Improvement and Patient Safety. Most fellows will be required to participate. An example of the curriculum is noted below:

**UAB MINI QUALITY ACADEMY**

<table>
<thead>
<tr>
<th>Session 1: Making the Case for Quality Improvement</th>
</tr>
</thead>
</table>
| - History of Quality Improvement  
- Modern Medicine: The Best the World Has Ever Seen?  
- Fixing the Problems and Managing Clinical Processes |

<table>
<thead>
<tr>
<th>Session 2: Understanding the Problem</th>
</tr>
</thead>
</table>
| - Mission and Forming Effective Teams  
- Identifying Problems  
- QI Tools – Brainstorming, Multivoting, and Affinity Diagrams (Break-out)  
- Assessing and Mapping the Process (Break-out)  
- Project Roadmaps: Creating Specific Aim Statements and Project Charters |

<table>
<thead>
<tr>
<th>Session 3: Gathering and Analyzing Data</th>
</tr>
</thead>
</table>
| - Introduction to Data  
- Importance of Data Definitions for Success (Break-out)  
- Data Collection  
- Data Not Related to Time – Histograms and Pareto Charts  
- Data Related to Time – Run Charts and Control Charts (Break-out)  
- Prioritizing Solutions |

<table>
<thead>
<tr>
<th>Session 4: Patient Safety and High Reliability</th>
</tr>
</thead>
</table>
| - Defining Patient Safety  
- Swiss Cheese Model and Error-Proofing  
- Importance of Teams  
- High Reliability Organizations |
The Pediatric Simulation Center at Children’s of Alabama was established in 2007 to provide physicians, nurses, respiratory therapists, pharmacists, students and other health care professionals with opportunities to perform common medical procedures and respond to rare, complex conditions and life threatening emergencies. With the help of our supporters, the Center continues to grow and has nine simulators ranging in age from premature infant and newborn to teen. Three of the simulators are wireless and can be used off-site. In 2015, we saw more than 6,000 visitors and conducted more than 650 simulations. Our staff strive to maintain our vision of a multidisciplinary center of excellence that utilizes high-fidelity simulation to promote education, research, and the delivery of safe, innovative health care for children. The Center’s mission is to integrate simulation throughout Children’s of Alabama in a structured learning environment that promotes excellence in clinical care, patient safety, and education for all pediatric healthcare practitioners and care teams.

Over the past six years, the Pediatric Simulation Center has conducted...

- 85 mock codes
- 43 PALS sessions
- 71 NRP sessions
- 42 trauma simulations
- 115 nursing service orientation (NSO) simulations
- 25 national and local podium presentations
- 55 IRB approved research studies
- 82 research posters at national and international conferences
- 32 trips to Children’s South
- and consumed 2500 pounds of candy!
<table>
<thead>
<tr>
<th>VICE CHAIR FOR CLINICAL AND TRANSLATIONAL RESEARCH</th>
<th>VICE CHAIR FOR EDUCATION</th>
<th>VICE CHAIR FOR RESEARCH</th>
<th>VICE CHAIR FOR CLINICAL AFFAIRS</th>
<th>VICE CHAIR FOR OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Kimberlin, MD</td>
<td>Michele Nichols, M.D.</td>
<td>Richard J. Whitley, M.D.</td>
<td>Peter Glaeser, M.D.</td>
<td>Smita Bhatia, MD, MPH</td>
</tr>
</tbody>
</table>

**ALLERGY and IMMUNOLOGY**
- **Dr. Prescott Atkinson**
  - Professor
- **Dr. Coralie S. Hains**
  - Associate Professor
- **Dr. Suthida Kankirawatana**
  - Assistant Professor
- **Dr. Yung R. Lau**
  - Professor
- **Dr. Wally F. Carlo**
  - Associate Professor
- **Dr. Edward V. Colvin**
  - Professor
- **Dr. Walter H. Johnson**
  - Professor
- **Dr. Mark Law**
  - Associate Professor
- **Dr. William S. McMahon**
  - Professor
- **Dr. F. Bennett Pearce**
  - Professor
- **Dr. Robb L. Romp**
  - Associate Professor

**CARDIOLOGY**
- **Dr. Jeffrey Alten**
  - Professor
- **Dr. Santiago Borasino**
  - Associate Professor
- **Dr. Yuvraj Kalra**
  - Assistant Professor
- **Dr. Leslie Rhodes**
  - Assistant Professor
- **Dr. Hayden Zaccangi**
  - Assistant Professor

**Cardiac Critical Care**
- **Dr. Christina Campbell**
  - Assistant Professor
- **Dr. Christina Inman**
  - Instructor

**CHILD ABUSE**
- **Dr. Michael Taylor**
  - Professor

**CRITICAL CARE**
- **Dr. Margaret Winkler**
  - Professor
- **Dr. Mark Buckmaster**
  - Associate Professor
- **Dr. Leslie Hayes**
  - Associate Professor
- **Dr. Michele Kong**
  - Associate Professor
- **Dr. Priya Prabhakaran**
  - Associate Professor
- **Dr. Crystal Rutledge**
  - Assistant Professor
- **Dr. Will Sasser**
  - Assistant Professor
- **Dr. Nancy Tofli**
  - Associate Professor

**DEVELOPMENTAL PEDIATRICS**
- **Dr. Justin Schwartz**
  - Assistant Professor

**EMERGENCY MEDICINE**
- **Dr. Peter Glaeser**
  - Professor
- **Dr. Mark Baker**
  - Associate Professor
- **Dr. Steven T. Baldwin**
  - Professor
- **Dr. Judson Barber**
  - Professor
- **Dr. David W. Bernard**
  - Professor
- **Dr. Terry Hope**
  - Instructor

**ENDOCRINOLOGY**
- **Dr. Kenneth McCormick**
  - Professor
- **Dr. Hussein Abdul-Latif**
  - Professor
- **Dr. Ambika Ashraf**
  - Associate Professor
- **Dr. Joycelyn Atchison**
  - Professor
- **Dr. Caroline Colvin**
  - Instructor
- **Dr. Rose James**
  - Assistant Professor
- **Dr. Alexandre Martin**
  - Professor
- **Dr. Gail Mick**
  - Instructor
- **Dr. Mary Lauren Scott**
  - Assistant Professor
- **Dr. Michael Stalvey**
  - Assistant Professor

**GASTROENTEROLOGY/HEPATOLOGY/NUTRITION**
- **Dr. Reed Dimmitt**
  - Professor
- **Margaux Barnes, PhD**
  - Assistant Professor
- **Dr. Erin Bhatia**
  - Instructor (PT)
- **Dr. David Galloway**
  - Assistant Professor
- **Dr. Traci Jester**
  - Assistant Professor
- **Dr. Rachel Kassel**
  - Assistant Professor
- **Dr. Jeanine Maclain**
  - Associate Professor
- **Dr. Jose Mestre**
  - Professor
- **Dr. Janaina Nogueira**
  - Assistant Professor

**GENERAL PEDIATRICS & ADOLESCENT MEDICINE**
- **Dr. Carolyn S. Ashworth**
  - Professor
- **Dr. Jennie Andresen**
  - Assistant Professor
- **Dr. Allury Arora**
  - Assistant Professor
- **Dr. Cason Benton**
  - Associate Professor
- **Krista Casazza, PhD**
  - Associate Professor
- **Dr. Allison Cavender**
  - Assistant Professor
- **Dr. Jennifer Chambers**
  - Assistant Professor
- **Dr. Candice Dye**
  - Assistant Professor
- **Dr. Crayton A. Fargason**
  - Professor
- **Dr. DeeAnne S. Jackson**
  - Associate Professor
- **Dr. Snehall Khatri**
  - Associate Professor
- **Dr. Carin Richard Kiser**
  - Associate Professor
- **Dr. Morissa Ladinsky**
  - Associate Professor
- **Dr. Jamie McKinney**
  - Assistant Professor
- **Dr. Myriam Peralta**
  - Professor
- **Dr. Anne Thiele**
  - Assistant Professor
- **Dr. April Truett**
  - Instructor

**Adolescent Medicine**
- **Heather McGinnis, PhD**
  - Assistant Professor
- **Dr. Nefertiti Durant**
  - Associate Professor
- **Dr. Tina Simpson**
  - Associate Professor
- **Dr. Marsha S. Sturdevant**
  - Professor
- **Dr. Stephenie Wallace**
  - Associate Professor

**GERONTOLOGY/GERIATRICS/PALLIATIVE**
- **Dr. Sam Perna**
  - Assistant Professor
- **Dr. Michael Barnett**
  - Assistant Professor
- **Dr. Michael Hurst**
  - Assistant Professor
- **Dr. Ashley C. Nichols**
  - Assistant Professor

◆ Denotes Division Director
<table>
<thead>
<tr>
<th>HEMATOLOGY/ONCOLOGY</th>
<th>INFECTIOUS DISEASE/ VIROLOGY (cont.)</th>
<th>NEUROLOGY (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dr. Kim Whelan</strong></td>
<td>Acting Dir/Assoc</td>
<td></td>
</tr>
<tr>
<td>Dr. Elizabeth Alva</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Christy Bemrich-Stolz</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Smita Bhatia</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Joseph Chewning</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Stuart Cramer</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Gregory Friedman</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Frederick Goldman</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Hilary Haines</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Lee M. Hilliard</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Matthew Kutny</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Wendy Landier, PhD, RN</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Jeffrey Lebensbauer</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Zachary LeBlanc</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>Dr. Alyssa Reddy</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Pumima Singh, PhD</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Aful Madan-Swain, PhD</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Julie Woolfson</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Ana Xavier</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>HOSPITAL MEDICINE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Robert F. Pass</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Stephanie Berger</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Emily Casey</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Jed Kinick</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>Dr. Natalia Lotz</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>Dr. Sri Narayanan</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Lauren Nassetta</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Mary Orr</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>Dr. Nichole Samuy</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Paul Scalici</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Susan Walley</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Chang Wu</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>INFECTIOUS DISEASE/ VIROLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Richard J. Whitley</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. David W. Kimberlin</td>
<td>Prof &amp; Co-Director</td>
<td></td>
</tr>
<tr>
<td>Mary Ballestas, PhD</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Suresh Boppana</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. William J. Britt</td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Maaike Everts, PhD</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Karen Fowler</strong></td>
<td>Professor</td>
<td>Dr. Monisha Goyal</td>
</tr>
<tr>
<td>Dr. S. Cecelia Hutto</td>
<td>Professor</td>
<td>Dr. Katherine Hammond</td>
</tr>
<tr>
<td>Dr. Scott James</td>
<td>Assistant Professor</td>
<td>Dr. Kristzina Harsanyi-Jilling</td>
</tr>
<tr>
<td>Mark Prichard, PhD</td>
<td>Professor</td>
<td>Dr. Pongkait Kankravatana</td>
</tr>
<tr>
<td>Debra Quenelle, PhD</td>
<td>Associate Professor</td>
<td>Dr. Jan Mathisen</td>
</tr>
<tr>
<td>Dr. Shannon Ross</td>
<td>Associate Professor</td>
<td>Dr. Tony McGrath</td>
</tr>
<tr>
<td>Veronica Sanchez, PhD</td>
<td>Assistant Professor</td>
<td>Dr. Ismail Mohamed</td>
</tr>
<tr>
<td>Dr. Sergio Stagno</td>
<td>Professor Emertius</td>
<td>Dr. Jayne Ness</td>
</tr>
<tr>
<td><strong>NEONATOLOGY</strong></td>
<td></td>
<td>Dr. Alan K. Percy</td>
</tr>
<tr>
<td><strong>Dr. Waldemar A. Carlo</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td><strong>PULMONOLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Hector Gutierrez</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td><em>Dr. Kristin Avis</em></td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Jennifer Guimbellot</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>Dr. William &quot;Tom&quot; Harris</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Wynn Hooper</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Claire Lenker, PhD</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Isabel Lowell</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. David Lozano</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Mary Halsey Maddox</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Valeri Tarn, PhD</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Brad Troxler</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Brett Turner</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>Huntsville Campus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Gerald Judy</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Vinit Mahesh</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Madhuri Penugonda</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>NEPHROLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Daniel Feig</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Saah Fathallah-Shaykh</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Michael Seifert</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Monica Tucci-Cramer</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>REHABILITATION MEDICINE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Drew Davis</strong></td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Paola &quot;Lala&quot; Mendoza Sengco</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Erin Swanson</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>NEUROLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Leon S. Dure</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Matthew Alexander</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Pierre Fequiere</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td><strong>RHEUMATOLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dr. Randy Cron</strong></td>
<td>Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Tim Beukelman</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Melissa Mannion</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Matthew Stoll</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Dr. Peter Weiser</td>
<td>Associate Professor</td>
<td></td>
</tr>
</tbody>
</table>
The National Resident Matching Program (NRMP) recommends all applicants review the policies and procedures manual of any institution they are considering listing on their certified rank order list. We have included a copy of our Initial Resident Agreement for 2016-2017 that all incoming residents are required to sign. If you are interested in checking out a complete list of our policies and procedures, please check out the UAB Graduate Medical Education website at: http://www.uab.edu/medicine/home/images/AY_2016_GME_Policy_and_Procedure_Manual - kn.pdf
INITIAL RESIDENT AGREEMENT

This agreement is entered into the ___ day of ___ between the Board of Trustees of the University of Alabama on behalf of The University of Alabama Hospital ("Hospital"), and ______________________________ ("Resident").

The Hospital wishes to appoint the Resident as a postgraduate year ____ resident in the ______________________________. Program and Resident wishes to accept such appointment.

Therefore, the parties hereto agree as follows:

1. Term of Agreement. Unless earlier terminated in accordance with this agreement, the term of the Resident’s appointment is one year commencing on _____ and terminating on______.

2. Graduate Medical Education Policies and Procedures. Resident has been provided a copy of the UAB Hospital Graduate Medical Education Policies and Procedures. Resident acknowledges receipt of said document as well as having read and understood it. Resident acknowledges and comprehends the guidelines and/or the processes outlined in the GME Policies and Procedures, including, without limitations, those sections regarding resident eligibility and requirements for residency training (Section III.A), resident responsibilities and conditions of appointment (Section V), educational program and faculty responsibilities (Section VII), financial support and benefits (Section IV), ancillary and support services (Section VI), disciplinary procedures (Section X), grievance procedures and due process (Section XI), professional liability insurance (Section IV.F), health and disability insurance (Section IV.E), annual leave (Section IV.G), supervision of residents (Section VIII.C.), duty hours (Section VIII.H), moonlighting (Section VIII.L), counseling services (Section VI.C.), physician impairment (Section IX), residency closure/reduction (Section IV.B), restrictive covenants (Section III.C), and University of Alabama at Birmingham policies on harassment (Appendix 9).

3. ACGME Accreditation Related Activities. In programs accredited by the Accreditation Council for GME (ACGME), resident acknowledges and agrees to maintain compliance with activities related to program accreditation in the time prescribed. These activities include, but are not limited to, completing the ACGME Resident Survey, logging duty hours and completing case logs as requested by the Program Director.

4. Salaries. Salaries are determined each year based on the budget of the Hospital with approval by the Dean’s Council for Graduate Medical Education. Resident shall be paid the salary approved for the appointed postgraduate year, as specified in Section 1 of this agreement, and in accordance with the GME Policies and Procedures, Section IV.D.

5. Physical Examination. Resident understands that failure to complete a health screening examination performed by the Hospital, as outlined in Section V.D. of the GME Policies and Procedures will result in suspension or termination of his/her appointment as a resident.

6. Tobacco-Free Hiring Policy. Resident understands that he/she will not be hired if found to test positive for nicotine use on the pre-employment drug screen performed by the Hospital, as outlined in Section V.E of the GME Policies and Procedures.

7. USMLE/COMLEX Examinations and Alabama Licensure. Resident understands that failure to pass the USMLE or COMLEX examinations and obtain licensure in the State of Alabama, as outlined in Sections V.K, V.L, and V.M of the GME Policies and Procedures, will result in suspension or termination of his/her appointment as a resident.

8. Renewal of Agreement. Resident understands and acknowledges that this agreement expires on the date set forth in Section 1 and that Hospital makes no commitment to renew this agreement. Reappointment and advancement of the Resident is at the discretion of the Program Director in accordance with Section III.F. of the GME Policies and Procedures. If a decision is made by the Hospital not to renew this agreement at the end of its one year term, notice of such nonrenewal shall be made in writing four months in advance of the one year term, in accordance with section III.D of the GME Policies and Procedures. However, if the primary reason for the non renewal occurs within the four months prior to the end of the agreement, the notice of non renewal may be sent less than four months in advance of the notice. Any resident receiving notice of intent to not renew his/her contract may request a hearing as outlined in Grievance Procedures, Section XI.C. Any resident receiving notice of intent of non-promotion to the next level of training may request informal adjudication as outlined in Grievance Procedures, Section XI.B. Each Resident who is offered a renewal of this agreement must accept such offer in writing within thirty (30) days of the date shown in the first paragraph of the renewal contract. Likewise, if a decision is made by the Resident not to renew this agreement at the end of its one year term, the resident shall submit notice of such nonrenewal in writing to the Graduate Medical Education Department four months in advance of the nonrenewal.

9. Termination of Agreement. Hospital may terminate the Resident Agreement, as set forth in the GME Policies and Procedures. If the resident leaves the program, thereby terminating this agreement, the resident will have breached this agreement. In the event of such breach, resident understands and agrees to the following: 1) the Hospital will report the resident’s breach of the agreement to the National Resident Matching Program, if applicable; and, 2) the Program Director and the Hospital will include the fact of the resident’s breach in any reference letters.

10. Acceptance. This agreement shall not be effective and shall not bind either party unless it is submitted to Hospital within sixty (60) days of the date shown in the first paragraph of this agreement and accepted by the Hospital by signature below.

THE UNIVERSITY OF ALABAMA HOSPITAL:

By: ______________________________
    Designated Institutional Official
Date: ____________________________, 20____

By: ______________________________
    Program Director
Date: ____________________________, 20____

RESIDENT:

By: ______________________________
Date: ____________________________, 20____
# SALARY AND BENEFITS

<table>
<thead>
<tr>
<th>SALARY</th>
<th>BENEFITS</th>
<th>MISCELLANEOUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• PGY-4 $56,870</td>
<td>At no cost:</td>
<td></td>
</tr>
<tr>
<td>• PGY-5 $59,049</td>
<td>• Professional liability insurance</td>
<td></td>
</tr>
<tr>
<td>• PGY-6 $61,413</td>
<td>• Group term life insurance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Long-term disability insurance</td>
<td></td>
</tr>
<tr>
<td>* Stipends are reviewed annually in accordance with those of the Council of Teaching Hospitals.</td>
<td>• Accidental death and dismemberment insurance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Pagers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Photocopying/faxing privileges</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Medline database</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Counseling services through the UAB Faculty and Staff Assistance Program</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Three weeks off/year</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Family leave</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other benefits:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Health insurance plans for residents, spouses and dependent children provided at favorable rates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Dental insurance at favorable rates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hospital Parking at favorable rates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Campus Recreation Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Onsite Childcare</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Voluntary Retirement Plans</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Financial support for presentation at a scientific meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Conference travel allowance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Financial support for travel to fellows meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Financial support for international rotation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• On-site Medical Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Medical license reimbursement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• PALS, ATLS Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Yearly in-service exam</td>
<td></td>
</tr>
</tbody>
</table>
UNIVERSITY PAID INSURANCE

1. Group Term Life Insurance
   Coverage varies with salary as indicated.
   No cost to employee.

2. Accidental Death and Dismemberment Insurance
   $22,500 for accidental death
   No cost to employee.

3. Long-Term Disability Insurance (Salary Continuation)
   After a 90-day waiting period, 66 2/3% month salary (not to exceed $10,000 per month) for the first 90 days.
   The benefit is then reduced to 60%. No cost to employee.

HEALTH CARE PLANS:

Some form of health insurance coverage is mandatory. Proof of insurance is required if the University’s VivaUB, VivaAccess, or Blue Cross are not elected.

VivaUB, VivaAccess, or Blue Cross monthly deductions:

<table>
<thead>
<tr>
<th></th>
<th>VivaUB</th>
<th>VivaAccess</th>
<th>Blue Cross/PMD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single coverage</td>
<td>$65.38</td>
<td>$146.19</td>
<td>$182.77</td>
</tr>
<tr>
<td>Employee+up to 2</td>
<td>$221.57</td>
<td>$416.81</td>
<td>$537.31</td>
</tr>
<tr>
<td>Family coverage</td>
<td>$334.12</td>
<td>$617.96</td>
<td>$826.80</td>
</tr>
</tbody>
</table>

Coverage under UAB’s group health care plans must begin on either the date of employment or the first day of the month following date of employment.

VOLUNTARY BENEFITS:

1. MetLife Dental Plans
   Basic Option:  Single Coverage - $18.08 month, Family Coverage - $46.26/month
   Comprehensive Option:  Single Coverage - $34.42, Family Coverage - $87.84
   (See UAB Employee Handbook for more information)

2. UAB Select:  Flexible Spending Accounts - Pretax reimbursement for eligible medical and dependent care expenses up to $2,500 (healthcare acct) or $5,000 (dependent care) annually per account.

3. Voluntary Life Insurance
   Maximum Coverage: Up to 5 times your salary, not to exceed $1.4 million.
   Guaranteed Issue: 3 times your salary or $500,000; elected during the first 60 days of employment without evidence of insurability.

4. Voluntary Accidental Death and Dismemberment Insurance
   Maximum Coverage: $500,000

OTHER BENEFITS:

1. Social Security taxes and benefits established by the U.S. Government.
2. Unemployment Compensation Insurance paid entirely by the University.
3. On-the-job Injury/Illness Program paid entirely by the University.

This information is a brief summary of benefits for general purposes only. Please refer to the UAB School of Medicine website for additional information.
ADOLESCENT MEDICINE

ABOUT US
The UAB Adolescent Medicine Subspecialty Fellowship program is an RRC-approved training program for physicians who have completed specialty training in pediatrics, family medicine, or internal medicine. The three-year pediatric fellowship includes comprehensive interdisciplinary training based upon ACGME core competencies. Fellows participate actively in teaching of medical students, residents, and health care trainees from nutrition, nursing and other health-related fields. The core faculty members of the program are physicians, nurse practitioners, psychologists, dietitians, and other health professionals with special training and expertise in adolescent health issues.

Fellows can participate in master’s level training in public health, maternal and child health, health administration and other health-related fields.

OUR FELLOWS

Erin Boyd, MD, MSPH
Research Interest: Adolescent Sexual Risk Taking Behaviors

“I chose UAB because of their interdisciplinary approach to adolescent care and the various clinical and research opportunities available here in my area of interest. I knew that I would be able to engage in more advocacy opportunities in this program as well.”

Erin Boyd, MD, MSPH

Samantha Hill, MD

Research Interest: Adolescent Sexual Health

FELLOWSHIP DIRECTOR
Tina Simpson, MD, MPH
Professor

Residency: Pediatrics, University of Alabama at Birmingham
Fellowship: Adolescent Medicine, University of Alabama at Birmingham

FELLOWSHIP COORDINATOR
Adrianne Marbury, MPA
E: amarbury@peds.uab.edu
P: 205.638.6970

RESEARCH INTERESTS:
Faculty:
Nefertiti Durant, MD, MPH
Using Technology to Promote Physical Activity

Krista Casazza, PhD, RDN, LD
Musculoskeletal Function in Adolescents

Tina Simpson, MD, MPH
Adolescent Sexual Risk Taking Behaviors
HPV Vaccination

Marsha Sturdevant, MD
Adolescent HIV

Stephenie Wallace, MD, MSPH
Pediatric and Adolescent Obesity

WHAT MAKES OUR PROGRAM UNIQUE?
Adolescent Medicine fellows participate in the interdisciplinary Maternal and Child Health Bureau funded Leadership Education in Adolescent Health (LEAH) training program which encompasses:

- MCH Leadership Training
- Community Engagement
- Policy and Advocacy Training
- Professional Networking Opportunities

http://www.uab.edu/medicine/peds/gpam-training-program/leah-grant
The UAB Allergy & Immunology Fellowship Training Program is an accredited joint adult and pediatric fellowship program accepting one candidate each year with board eligibility or certification in Internal Medicine or Pediatrics.

The UAB Allergy & Immunology Fellowship Program, like most Allergy & Immunology Fellowship Programs nationwide, participates in the AAMC Electronic Residency Application Service (ERAS) and the National Residency Matching Program (NRMP). Allergy & Immunology Fellows receive intensive clinical training in allergic and immunologic diseases in children with the faculty of the Division of Pediatric Allergy, Asthma & Immunology at Children’s of Alabama’s Park Place and Children’s South Facilities. On the adult side, fellows work with Drs. John Anderson, Amy CaJacob and Tracy Hwangpo at the Birmingham VA Medical Center. They also receive training in the outside offices of three local private allergy practices under the supervision of volunteer clinical.

**FELLOWSHIP DIRECTOR**

Prescott Atkinson, MD, PhD  
Professor and Division Director

**Residency:** Pediatrics, University of Alabama at Birmingham, Georgetown University  
**Fellowship:** Allergy & Immunology NIH/NIAID

**FELLOWSHIP COORDINATOR**

Scott DeFreese  
E: sdefreese@peds.uab.edu  
P: 205.934.1180

**RESEARCH INTERESTS:**

Research in my laboratory is focused on the role of atypical organisms in the pathogenesis of chronic diseases such as asthma and arthritis. One ongoing project being pursued by my graduate student is to examine the effect of allergic airway sensitization on the immune response to *Mycoplasma pneumoniae* in a mouse model. I am also actively engaged in the development of rational strategies to determine the molecular basis for unidentified immunodeficiencies in patients in my weekly clinics at Children’s Hospital and The Kirklin Clinic.  

- Dr. Atkinson  
**Select Publications:**

The Pediatric Cardiac Critical Care Fellowship program is a one year clinical fellowship dedicated to advanced training of future cardiac intensivists in the management of critically ill pediatrics patients with congenital and acquired heart disease. We accept one fellow per year that is board eligible in pediatric critical care, pediatric cardiology, or neonatology. Our Cardiovascular Intensive Care unit is a twenty bed unit with 600 medical and surgical admissions per year. As the only Pediatric Cardiothoracic Surgery Center in the State of Alabama, we admit a vast variety of pathologies including congenital heart disease, heart failure, arrhythmias, ventricular assist devices, ECMO, and heart transplantation. Our Cardiac Critical Care program is a collaborative effort between the Divisions of Pediatric Cardiology, Pediatric Cardiothoracic Surgery, Pediatric Cardiac Anesthesiology, and Neonatology. This one year fellowship is uniquely designed to provide training based on the candidates’s previous clinical skills and knowledge as well as build experience in research and quality improvement in the CICU. Please feel free to call us with any additional questions.

OUR FELLOWS

Jason Turner, MD

Sangeetha Rao, MD

“The Cardiac Critical Care fellowship at Children’s of Alabama has been instrumental in improving my understanding the cardiovascular physiology and gaining confidence in managing patients with complex heart disease. The intricate congenital heart care group is one of the best I have worked with. Their insightful teaching and teamwork exhibited has helped me to understand and cherish my patients.”

Ashima Das, MD
2015-2016 Fellow

FELLOWSHIP DIRECTOR
Leslie Rhodes, MD
Assistant Professor

Residency: Pediatrics, University of Alabama at Birmingham
Fellowship: Pediatric Critical Care, University of Alabama at Birmingham
Pediatric Cardiac Critical Care, University of Alabama at Birmingham

FELLOWSHIP COORDINATOR
LaTanya Brown
E: labrown@peds.uab.edu
P: 205.975.3123

RESEARCH INTERESTS

Our research is multidisciplinary and an integral part of our division. All faculty are involved in clinical and translational research at some level with fellow participation. We are very involved with multi-institutional collaborative research and quality improvement projects with PC4. It is our goal for each fellow to complete one research project and present at least one conference during fellowship. Some of our interests:

- Impact of Cardiac Surgery on the Gastrointestinal Microbiome
- Epidemiology of Lung Injury in Children with Congenital Heart Disease
- Cardiac Surgery induce adrenal insufficiency
- Preoperative feeding in neonates with congenital heart surgery
- Microcirculation in critically ill children with cardiac disease
- Interaction of the gastrointestinal microbiome and cardiac surgery
- Prophylactic PD in high risk neonates
- Arteriovenous CO2 gradient and outcomes after infant cardiac surgery

PUBLICATIONS AND AWARDS

Since 2013, the cardiac critical care medicine section gave 18 poster presentations and five oral presentations at international scientific conferences and we won three abstract awards. Many of these presentations are by trainees.

Recent Publications:


The Pediatric Cardiology Fellowship program at the University of Alabama at Birmingham (UAB) will educate qualified physicians with a structured scholarly experience in clinical and experimental cardiology. The training program is to provide fellows with a firm foundation for understanding normal and abnormal cardiovascular conditions, including a strong emphasis on the pathophysiologic basis of congenital and acquired cardiovascular disease.

The program’s goal is to prepare fellows for careers as academic pediatric cardiology consultants to provide optimal care for pediatric patients with cardiovascular disease. Our accredited program consists of 3 years of training, at the end of which the fellow will have met or exceeded the requirements for the qualifying board examination in pediatric cardiology.

**ABOUT US**

**FELLOWSHIP DIRECTOR**

Mark Law, MD  
Associate Professor

- **Residency:** Internal Medicine/Pediatrics, University of Alabama at Birmingham  
- **Fellowship:** Pediatric Cardiology, Baylor College of Medicine

**FELLOWSHIP COORDINATOR**

Ina Schaffer  
E: ischaffer@peds.uab.edu  
P: 205.996.2365

**OUR FELLOWS**

- **J. Leslie Gaddis Collins, MD**
- **Rune Toms, MD**

**PUBLICATIONS**


**RESEARCH INTERESTS**

Our research is multidisciplinary. The overall goal of the research is to provide the fellow with the knowledge and skills necessary to become proficient and effective in identifying reasonable research hypotheses.

**Examples**

- Balloon angioplasty to treat persistent leaking or lymph fluid into the lung cavity after surgery
- Ultrasound guided procedures
- Impact of gamma globulin levels in newborn after heart surgery
- Heart transplanted outcomes
- Tuberous sclerosis
- Prophylactic hydrocortisone infusion after cardiopulmonary bypass
- IVIG supplementation following surgery
- Long-term outcomes of Fontan operation
- Outcomes of transcatheter pulmonary valve replacement
The University of Alabama at Birmingham (UAB) Child Neurology Fellowship is combined with the Pediatric Residency Program. Applicants do NOT need to apply to the Pediatric Residency Program for the Child Neurology Fellowship position. Training in child neurology shall encompass a total of five years. This includes two years of pediatric residency training, one year of training in clinical adult neurology, one year of training in clinical child neurology, and one year as "flexible".

Our faculty are experts in a variety of Neurological specialties such as Tourette syndrome and other movement disorders, stroke, and Demyelinating Disorders. We are currently the only pediatric demyelinating center in the southeast and running clinical trials in Pediatric Multiple Sclerosis and Pediatric Neuro Myelitis Optica. We also specialize in neuromuscular syndromes and currently have a Neurologist on staff who conducts EMGs on a weekly basis and Muscular Dystrophy clinics monthly. In addition to our well esteemed faculty members, our nurse practitioners are Certified Neuroscience Registered. Child Neurology training is based on supervised clinical work with increasing resident responsibility. Our training aims that our residents are effectively independent prior to graduation.

ABOUT US

OUR FELLOWS

Sarah Novara, MD

“During my time in the UAB Child Neurology residency & fellowship program, I have been blessed with tremendous mentors on faculty. I am extremely grateful to participate in the care of patients & families who teach us about a wide variety of neurological disorders. Every day presents new opportunities on inpatient and outpatient rotations, and I’m confident that my training will enable me to provide evidence-based care to my patients for many years to come.”
Sarah Novara, MD

Lydia Marcus, MD

“My experience in the Child Neurology Program at UAB has been challenging, exciting, and fulfilling. I am grateful for the exceptional instruction I have received here.”
Lydia Marcus, MD

RESIDENCY DIRECTOR

Tony McGrath, MD
Associate Professor

Residency: Neurology, University of Oklahoma
Fellowship: Neurology, University of Alabama at Birmingham

RESIDENCY COORDINATOR

Charmaine Echols
E: cechols@peds.uab.edu
P: 205.996.7859

RESEARCH INTERESTS:

Child Neurology current research interests (including faculty and residents) listed below:

- Assess Safety and Tolerability of Topiramate as Monotherapy Compared with Levetiracetam as Monotherapy in Pediatric Subjects with New or Recent Onset Epilepsy (P. Kankirawatana, MD/ R. Singh, MD /A. Kumar, MD)
- Pediatric Multiple Sclerosis and Pediatric Neuromyelitis Optica (J. Ness, MD)
- Childhood Absence Epilepsy (P. Kankirawatana, MD/ T. McGrath, MD)
- Pediatric Stroke Simulation Lab (S. Novara, MD)

RESIDENTS

Child Neuro Residents currently completing Pediatrics Residency:
- Neal Sankhla, MD
- Rachel Bass, MD
- Brittney Jones, MD
ABOUT US

Our fully accredited 3-year program combines research and clinical experience that makes our graduates eligible and prepared for the American Board of Pediatrics Subspecialty Board exam in Pediatric Critical Care Medicine. The goal of the Pediatric Critical Care Fellowship Program is to provide trainees with the education, clinical experience, research training, and technical skills necessary to become excellent intensivists who are ready to achieve success in the academic setting. The 36-month curriculum includes 17.5 months clinical service, 18.5 months protected research time, and 9 weeks vacation. We have a 100% pass rate for first time board takers. The Pediatric Intensive Care Unit at Children’s of Alabama is a 22 bed unit with approximately 1,400 admissions per year. Pediatric Critical Care fellows learn to diagnose and care for patients with a wide variety of conditions such as multiple traumas, respiratory failure, surgical diagnoses, shock, and multi-organ dysfunction. In addition, Critical Care fellows spend four months in the Cardiac Intensive Care Unit, which is a 20 bed unit with greater than 300 pump cases and 500 surgeries per year.

OUR FELLOWS

Robert Richter, MD
Nicki Sims, MD
Nathan Swinger, MD
Neha Gupta, MD
Ashley Brown, MD
Sai Surapa-Raju, MD
Steve Nye, MD

FELLOWSHIP DIRECTOR

Priya Prabhakaran, MD
Associate Professor

Residency: Pediatrics, University of Alabama at Birmingham
Fellowship: Pediatric Critical Care, Baylor University and University of Alabama at Birmingham

FELLOWSHIP COORDINATOR

Vanessa Snider
E: vsnider@peds.uab.edu
P: 205.638.3342

RESEARCH INTERESTS:

FACULTY:
• Delineating the role and impact of protease dysregulation in the pathogenesis of Acute Lung Injury and Respiratory Syncytial Virus-induced respiratory failure in children
• Improving health care delivery through Lean/Six Sigma Methodology
• The role of inflammatory mediators in acute and chronic lung disease

FELLOWS:
• Effect of noninvasive ventilation vs supplemental oxygen therapy on reintubation in high-risk infants following congenital heart surgery.
• Impact of preoperative steroids on adrenal insufficiency and clinical outcomes after neonatal cardiac surgery with cardiopulmonary bypass.
• Hyperchloremic Metabolic Acidosis—Does it Matter?
The Pediatric Emergency Medicine fellowship program at the UAB has been in existence for over 30 years. We are housed in a Level 1 trauma center dedicated to the care of children. We accept 3 fellows per year, who join fellows from 17 other divisions.

We offer all electives and a significant amount of “protected” research time is allowed throughout the training period. Our fellows take classes at the School of Public Health to acquire basic research tools – an excellent opportunity available in few programs. We believe our program is unique in that we offer a State-of-the-Art Simulation Center, specific training in Point of Care Ultrasound, and training at a Regional Poison Control Center. At graduation our fellows are prepared clinically in all aspects of Pediatric Emergency Medicine. We have a greater than 90% pass rate for first time board takers and our fellows find faculty positions coast to coast.

Please feel free to call us with additional questions and we look forward to hearing from you!

ABOUT US

FELLOWSHIP DIRECTOR

Ann E. Klasner, MD, MPH
Professor

Residency: Pediatrics, University of Arkansas
Fellowship: Pediatric Emergency Medicine, St. Louis University

FELLOWSHIP COORDINATOR

Mackenzie Stanford
E: Aklasner@peds.uab.edu
P: 205.638.6557

RESEARCH INTERESTS:

The fellowship program aims to develop a strong research foundation through formal training and to help our fellows gain experience in grant writing, project development, and paper presentation. Some of our faculty and fellows current and recent research projects include:

- Asthma Pathway Effect on Length of Stay
- Febrile Sickle Cell Patients, ED Time to Antibiotics
- Herpes Simplex Virus Infection in Young Infants
- The Pediatric Septic Shock Collaborative
- Does Utilizing Child Life in the ED Improve Emotional Responses of Children’s Undergoing Laceration Repair?
- Using an Established Simulation Curriculum for EMS
- Measuring the potential impact of bedside US on patient outcomes for the management of skin and soft tissue infections
- Liquid nicotine ingestions national review
The Pediatric Endocrinology fellowship program at the University of Alabama at Birmingham (UAB) has a long-standing commitment to fellowship education, through a vast clinical experience and variety of research opportunities. As part of the Children’s of Alabama team, we have a flourishing inpatient service and outpatient clinic. Our division currently consists of nine faculty members, and we accept one fellow per year to join our team.

Our fellowship curriculum is a balance of inpatient and outpatient clinic rotations, with ample time devoted to developing research and/or career interest. Fellows are encouraged to participate in other institutional clinical experiences here at UAB, including genetics, reproductive endocrinology, and adult endocrinology. Research experiences can be through our Division, or through the vast other resources here at UAB. These may include basic science, clinical or transitional research, as well as projects in medical education. Our fellows follow their clinic interests and develop a foundation for their future careers in medicine.

We are dedicated to providing an exemplary fellowship and welcome hearing from you regarding any questions you may have.

“The UAB Pediatric Endocrinology fellowship program has far exceeded my expectations. In my first year alone I have encountered some extremely interesting patients with very rare pathology. I have had ample exposure to the 'bread and butter' cases of pediatric endocrinology. The mixture of experience in both the clinical and inpatient settings is ideal. The biggest asset to this program are the outstanding attendings. They are extremely knowledgeable and create a stimulating academic environment. I know at the end of three years I will be able to seamlessly transition to a fulfilling career as a pediatric endocrinologist.”

Shelly Mercer, MD

FELLOWSHIP DIRECTOR

Michael Stalvey, MD
Assistant Professor

Residency:
Pediatrics, University of Florida
Fellowship:
Pediatric Endocrinology, University of Florida

FELLOWSHIP COORDINATOR

Toni Davison
E: tdavison@peds.uab.edu
P: 205.996.9196

RESEARCH INTERESTS:

Faculty:
- Pathogenesis of type 1 and type 2 diabetes
- Cardiovascular risk, insulin resistance and vitamin D
- Endoplasmic reticulum enzymes and metabolism
- Growth and bone metabolism in cystic fibrosis
- Effects of cigarette smoke on glucose regulation and bone metabolism
- Pathogenesis of cystic fibrosis related diabetes
- Newborn screening and follow-up of congenital hypothyroidism and congenital adrenal hyperplasia
- New technologies in diabetes management
- Feasibility of non-mydriatic retinal screening during endocrine clinic for children with diabetes
- Factors influencing dyslipidemia in children and adolescents

Fellows:
- Pathway-driven DKA management and effects on hospital outcomes
- Predisposing factors for rhabdomyolysis in the setting of hyperglycemia
Our fellowship program is designed to provide fellows in gastroenterology with the background and experience to diagnose and manage patients with acute and chronic diseases of the digestive system (esophagus, stomach, intestines, liver, and pancreas), including those that are life-threatening, and to conduct research in this specialized field. Fellows will be guided in developing clinical judgment and skills and in acquiring medical knowledge, humanistic qualities, and professional attitudes and behaviors that are appropriate for the pediatric gastroenterologist.

The goals of this program include developing decision making skills in cost-effective methods, and efficient evaluation and management of a wide variety of diseases. We will groom Fellows to develop skills in appropriate laboratory testing procedures, including indications, preparation, techniques and interpretations. Our program also provides mentoring and opportunities for clinical or laboratory based research.

Our fellowship program is designed to provide fellows in gastroenterology with the background and experience to diagnose and manage patients with acute and chronic diseases of the digestive system (esophagus, stomach, intestines, liver, and pancreas), including those that are life-threatening, and to conduct research in this specialized field. Fellows will be guided in developing clinical judgment and skills and in acquiring medical knowledge, humanistic qualities, and professional attitudes and behaviors that are appropriate for the pediatric gastroenterologist. The goals of this program include developing decision making skills in cost-effective methods, and efficient evaluation and management of a wide variety of diseases. We will groom Fellows to develop skills in appropriate laboratory testing procedures, including indications, preparation, techniques and interpretations. Our program also provides mentoring and opportunities for clinical or laboratory based research.

**OUR FELLOWS**

- Nick CalJacob, MD
- Osman Ahmad, MD
- Saurabh Talathi, MD

**MULTIDISCIPLINARY PATIENT CENTERED PROGRAMS:**

- AeroDigestive Program
- Colorectal Program
- Gastrointestinal Eosinophilic Diseases Program
- Hepatobiliary Program
- Inflammatory Bowel Disorder Program
- Intensive Feeding Program
- Intestinal Rehabilitation Program
- Liver Transplant Program
- Weight Management Program

**RESEARCH INTERESTS:**

**Faculty:**
- Simulation as a teaching tool in Pediatric Gastroenterology
- Cohort Study of Disease Education and Medication Adherence in patients attending a specialized Pediatric Inflammatory Bowel Disease Clinic

**Fellows:**
- Eosinophilic Esophagitis: Analyzing the Microbiome

**FELLOWSHIP DIRECTOR**

Jeanine Maclin, MD, MPH
Associate Professor
Co-Director, Inflammatory Bowel Disease Clinic

Residency: Pediatrics, University of Alabama at Birmingham
Fellowship: Pediatric Gastroenterology, University of Alabama at Birmingham

**FELLOWSHIP COORDINATOR**

Nicole DeShazo
E: ndeshazo@peds.uab.edu
P: 205.638.5191

State of the art GI laboratory and endoscopy facilities perform number of diagnostic and therapeutic procedures which include:

- Upper and lower endoscopy with biopsies
- Polypectomies
- Variceal Sclerotherapy and Banding
- Foreign body removal from upper GI tract
- PEG Placement
- Dilatations
- Percutaneous liver biopsies
- pH/impedance study
- Hydrogen Breath Testing
- Anorectal Motility Testing
HEMATOLOGY & ONCOLOGY

ABOUT US  The **mission** of the division is to improve the quality of young lives and cure children with childhood cancer and blood disorders through excellent care, education, and research. The division **goals** are to serve children and young adults with childhood cancer and blood disorders through the southeastern United States; to give state-of-the-art personalized clinical care to patients; to educate and train the public, families, patients, and healthcare professionals in the care of childhood cancer and blood disorders; and to pursue a clinical translation of basic research focused on childhood cancer and blood disorders. These goals are accomplished with the dedicated efforts of the UAB faculty teamed with an extensive support staff of UAB and Children's of Alabama.

Two fellows are accepted into the program each year. 1st year fellows enjoy the opportunity to care for a diverse patient population. 2nd and 3rd year fellows use protected time for scholarly activity, taking advantage of world class basic science and clinical research faculty throughout the UAB Campus.

OUR FELLOWS

- **Eric Ring, MD**
- **Corey Falcon, MD**
- **Jenny McDaniel, MD**
- **Aman Wadhwa, MD**
- **Jamie Aye, MD**
- **Jason Payne, MD**

RESEARCH INTERESTS:

**Fellows:**
- **Dr. McDaniel:** investigating the role of complement activation and inflammation in the pathogenesis of thrombotic syndromes.
- **Dr. Ring:** Exploring oncolytic viral vectors in solid tumors.

**Faculty:**
- **Dr. Smita Bhatia:** Cancer outcomes and survivorship research aiming to reduce the burden of cancer and its sequelae across all segments of the population through collaborative efforts.
- **Dr. Greg Friedman:** Improving outcomes for children with malignant brain tumors by developing and improving novel, targeted therapeutics like oncolytic engineered herpes simplex vireotherapy (oHSV) in the lab and then translating these therapies to clinical trials.
- **Dr. Fred Goldman** studies new gene transfer methods to treat bone marrow failure syndromes and disorders of hematopoiesis and leukemia.

FELLOWSHIP DIRECTOR

**Kimberly Whelan, MD, MSPH**
Associate Professor
Medical Director, Taking on Life after Cancer clinic

**Residency:**
Pediatrics, Vanderbilt University Medical Center

**Fellowship:** Pediatric Hematology & Oncology, University of Alabama at Birmingham

FELLOWSHIP CO-DIRECTOR

**Ana Xavier, MD**
Assistant Professor

**Residency:**
Pediatrics, Medical University of South Carolina

**Fellowship:** Pediatric Hematology & Oncology, Children’s Hospital of Michigan/Wayne state University

FELLOWSHIP COORDINATOR

**Kimberly Threadgill**

E: kthreadgill@peds.uab.edu
P: 205.638-6194
The UAB Palliative Medicine Fellowship Program has been training leaders in Palliative Medicine since 2000, making it one of the oldest and most established training programs in the country. To date, we have trained over 34 fellows from across the country. Our 1-year fellowship offers a rigorous interdisciplinary education in palliative care at UAB Hospitals, the Birmingham VA Medical Center, and Children’s of Alabama. Fellows also receive training in the outpatient setting through the UAB Supportive Care & Survivorship Clinic, the UAB HIV Palliative Care Clinic, the Muscular Dystrophy Association Clinic at Children’s of Alabama, and through partnerships with several community hospices.

In addition to clinical skills, the curriculum includes training in research methodology and quality improvement, teaching skills, and palliative care and hospice business and administration. The balance and breadth of experience ensures that fellows are ready to practice in the inpatient, ambulatory, or hospice settings upon completion of the fellowship training.

**ABOUT US**

**OUR FELLOWS**

Elizabeth Carroll, MD

Brian Donahue, MD

Sandhya Mudumbi, MD

Melissa Puher, MD

Our Pediatric Palliative & Supportive Care team at Children’s of Alabama includes 4 physicians, 1 CRNP, & 1 Nurse Clinician.

We accept 4 fellows per year into the program, including 1 in our Pediatric track.

Please feel free to call us with additional questions. We look forward to hearing from you!

**FELLOWSHIP DIRECTOR**

Michael D. Barnett, MD, MS, FAAP

Assistant Professor of Medicine & Pediatrics.

Residency: Combined Internal Medicine-Pediatrics, University of Alabama at Birmingham

Fellowship: Hospice & Palliative Medicine, University of Pittsburgh

**FELLOWSHIP COORDINATOR**

Rachel Metcalf

E: rmetcalf@uabmc.edu

P: 205.934.7972

**RESEARCH INTERESTS:**

Fellows complete a project under the mentorship of faculty within the UAB Center for Palliative & Supportive Care and guided by a scholarship curriculum that covers topics such as designing a research question, IRB, abstracts & posters, and medical presentation and publication. Recent projects include:

- Goals of Care Training for Neurology Residents
- Buccal Midazolam for Seizures in Pediatric Hospice
- Evidence-Based Dyspnea Action Plan for Hospice
- Delirium Assessment & Prevention in the ED
- Ethics of Physician-Assisted Dying
- Single Fraction Radiation Therapy for Bony Metastases
- Subcutaneous Dosing of Antiepileptic Medications
The goal of the Pediatric Hospital Medicine (PHM) fellowship program is to prepare specialists in hospital medicine who will have excellent clinical skills, the ability to perform meaningful research and the capacity to become leaders in the field of hospital medicine. The curriculum provides sufficient clinical experience for fellows to become confident experts in the care of hospitalized children. Our faculty have developed a core lecture series to give fellows a working knowledge of health information systems, study design, and basic biostatistics, among other topics. All PHM fellows will complete a research project that will contribute to the field of pediatric hospital medicine in its broadest sense, as well as the opportunity to build a disease-specific clinical pathway to be used at Children’s of Alabama. Clinical service takes place in Children’s of Alabama, the centerpiece of a health system for children and adolescents that occupies new, state-of-the-art 340 bed inpatient facilities. Children’s of Alabama serves as the regional referral center for Alabama and surrounding states. PHM fellowship is typically two years; extension to a third year is possible for candidates who wish to pursue a graduate degree during fellowship. PHM fellows work with 9 academic, UAB Department of Pediatrics faculty members who are pediatric hospitalists.

ABOUT US

FELLOWSHIP DIRECTORS

Sridaran Narayanan, MD
Assistant Professor
Fellowship Director

Residency: Pediatrics, Rainbow Babies’ and Children’s Hospital, Cleveland OH
E: snarayanan@peds.uab.edu

Chang L. Wu, MD, MSCR
Assistant Professor
Associate Fellowship Director

Residency and Fellowship: General Academic Pediatrics, Medical University of South Carolina
E: cwu@peds.uab.edu

OUR FELLOWS

Meghan Hofto, MD

Cassi Smola, MD

Katy Hines, MD

Erinn Schmit, MD

Adolfo Molina, MD

FELLOWSHIP COORDINATOR

Sharon Walker

E: snarayanan@peds.uab.edu

P: 205.638.9922

RECENT DIVISION PUBLICATIONS


RESEARCH INTERESTS

- Impact of Academic Cohort Turnover on Pediatric Inpatient Outcomes
- Bronchiolitis and Asthma Clinical Pathways
- Hospitalization for Immune Thrombocytopenic Purpura
- Inpatient Management of Unintentional Ingestions
**INFECTIOUS DISEASES**

**ABOUT US**

The Pediatric Infectious Diseases Fellowship is a three-year training program approved by the Accreditation Council for Graduate Medical Education (ACGME) and affiliated with Pediatric Residency Program at the University of Alabama School of Medicine. The fellowship program provides trainees with a broad clinical experience and strong foundation in scholarly pursuits, including basic or clinical research, antimicrobial stewardship, infection control, and infectious diseases in the immunocompromised host. The program is flexible and is tailored to suit each individual’s interests, previous experience, and future career goals. Our overall objective is to prepare fellows for a career in academic pediatric infectious diseases. Stated plainly, our fellows’ success is our success. Our track record over many years of placing fellows in top clinical, research, and public health programs throughout the country is a testament to the success of this approach. All of our former fellows over the past decade have easily passed their pediatric infectious diseases boards.

**OUR FELLOWS**

Claudette Poole, MD

Quotes from the fellows:

“UAB Peds ID faculty are wonderful to work with and also really great people. Mentorship is amazing. Opportunities for research abound. Collaborative relationships exist with the adult ID division and School of Public Health as well as other divisions within UAB Pediatrics.”

*Catherine Hough-Telford, MD*

2014-2016 fellow

“I chose to do infectious diseases fellowship here at UAB because I saw that the faculty were excellent teachers during my residency.”

*Aaron Grubbs, MD*

2012-2016 fellow

**FELLOWSHIP DIRECTOR**

Scott James, MD
Assistant Professor

Residency: Pediatrics, University of South Florida
Fellowship: Pediatric Infectious Diseases, University of Alabama at Birmingham

**FELLOWSHIP COORDINATOR**

Tracy Downey
E: tdowney@peds.uab.edu
P: 205.996.7782

**RESEARCH INTERESTS:**

The Pediatric Infectious Diseases Division at the University of Alabama at Birmingham (UAB) is internationally known for its studies of congenital and perinatal viral infections. For 50 years, the Division has defined the natural history, pathogenesis, diagnosis, treatment and prevention of congenital cytomegalovirus (CMV) infections and neonatal herpes simplex virus (HSV) disease.

- Pediatric HIV infection—pathogenesis, drug resistance, breast milk transmission, nutritional micronutrient and antioxidant assessment and the epidemiology of adolescent infections
- Cytomegalovirus—pathogenesis and transmission mechanisms of congenital CMV, predictors of adverse outcomes, mechanisms of hearing loss, and therapy and vaccine development
- Viral Infections and Therapeutics—animal models for viral diseases, clinical trial methodology, host resistance to viral-induced diseases, viral assembly, and molecular epidemiology
- General Infectious Diseases—perinatal infections, *Streptococcus pneumoniae*, respiratory syncytial virus, varicella-zoster virus, antimicrobial stewardship, hospital epidemiology and infection control

RECENT DIVISION AWARDS AND ACHIEVEMENTS

The Division houses the Central Office for the Collaborative Anti-viral Study Group (CASG), a multi-institutional research group which focuses on clinical trials of anti-viral drugs in both pediatric and adult populations.

Suresh Boppana, MD, was awarded the inaugural Congenital CMV Award at the 5th International Congenital CMV Conference in Brisbane, Australia, in April 2015.

David Kimberlin, MD, has been reappointed as Editor of the American Academy of Pediatrics’ 2018 Red Book. He served as Editor of the recently published 2015 Red Book, and as Associate Editor for the 2012 and 2009 Red Books.
Our comprehensive fellowship program provides an excellent educational, clinical, and research experience to help train the next generation of academic neonatologists. We place emphasis on excellence in basic science and clinical research with up to two thirds of the fellowship time dedicated to research.

The Division of Neonatology is a leader in the field, providing clinical coverage and leadership for two level IV neonatal ICUs and four level III and one level II neonatal ICUs in the greater Birmingham area. Our fellows rotate through the 120-bed Regional NICU at UAB, the 48-bed NICU at Children’s of Alabama (the regional ECMO center), and the Cardiac ICU.

Areas of current research interest include lung development, bronchopulmonary dysplasia, pulmonary hypertension, neonatal infections, oxygen free radicals and antioxidants, assisted ventilation, mediators of infection and inflammation, necrotizing enterocolitis, developmental immunology, perinatal epidemiology and clinical trials. Five full-time research nurses support fellows and faculty members on clinical research projects.

FELLOWSHIP DIRECTOR

Namasivayam Ambalavanan, MD
Professor, Departments of Pediatrics, Pathology, and Cell, Developmental, and Integrative Biology
Residency: Pediatrics, University of Alabama at Birmingham
Fellowship: Neonatology Fellowship, University of Alabama at Birmingham

FELLOWSHIP COORDINATOR

Stacey Adewakun
E: sadewakun@peds.uab.edu
P: 205.934.4680

RESEARCH INTERESTS:

Faculty:
- Waldemar A. Carlo, MD: Global neonatal research (projects in Zambia and other developing countries) and Neonatal Clinical Trials as a center PI for the Neonatal Research Network.
- Namasivayam Ambalavanan, MD: Lung development and injury. PI of a research center in the LungMAP project.
- Trent Tipple, MD: Antioxidants and lung injury.
- Vivek Lal, MD: MicroRNA and lung injury; Lung microbiome in BPD
- Brian Sims MD, PhD: White matter injury in preterm infants
- George Ferzli, MD: Lung Assist Device; Ventilator induced lung injury
- Tamas Jilling, MD: Necrotizing enterocolitis
- Jegen Kandasamy, MD: Mitochondrial bioenergetics in preterm infants
- Ariel Salas, MD: Randomized clinical trials in neonatology

Fellow Awards:
2016 Marshall Klaus Research Award—Aaron Yee, MD
2016 Dixon Fellowship Award—Colm Travers, MD

Former Fellow Publications:

The Pediatric Nephrology Fellowship program at UAB has been in existence for over 20 years. We are housed in a Level 1 trauma center dedicated to the care of children. We accept 1 fellow per year who joins fellows from 17 other divisions. The first year of fellowship concentrates on clinical training with intensive research training occurring in the second and third years. Elective rotations consist of pathology, urology, and interventional nephrology. Available research collaborations across UAB encompass basic science, adult nephrology, and pediatric nephrology. Additional program training resources include the possibility of obtaining a Master’s in Public Health, a State-of-the-Art Simulation Center located within our institution, the UAB Institute of Personalized Medicine, the UAB Comprehensive Transplant Institute, Health Disparities Research Center, and the Pediatric and Infant Center for Acute Nephrology (PICAN). Upon program completion, our fellows are prepared clinically in all aspects of Pediatric Nephrology.

“As a pediatric nephrology fellow at UAB and Children’s of Alabama I have a wealth of opportunities and resources available to me, both for clinical learning and research development. The people that I am privileged to work with and learn from here, faculty and staff within the pediatric nephrology division, throughout Children’s Hospital and at UAB, are one of the greatest assets.”

Megan Yanik, MD

Daniel Feig, MD, PhD, MS
Professor

Residency: Pediatrics, University of Washington
Fellowship: Pediatric Nephrology, Harvard University

Jessica Williams Cobo
E: jcobo@peds.uab.edu
P: 205.638.6784

Megan Yanik, MD

Research interests of the division are broad with participation in multi-center studies on drug discovery/pharmacokinetics, assessment, progression, and treatment of chronic kidney disease in children.

- Nephrotoxic Injury Negation by Just-in-time Action (NINJA)
- The Genetic Contribution to Drug Induced Renal Injury: The Drug Induced Renal Injury Consortium (DIRECT)
- Physiology of Early Essential Hypertension
- Genetics of Renal Cystic Disease
- Role of Vasculature in Chronic Kidney Transplant Dysfunction
- Prevention of Sickle Cell Nephropathy
- Pharmacogenomics of Immunosuppressives and Anti-Hypertensives (Personalized Medicine Initiative)
Our pediatric pulmonary training program provides the clinic knowledge necessary to diagnose and manage pediatric patients with acute and chronic respiratory disorders, including those that are life threatening. The curriculum also supports our mission to train highly competent physician educators and scientists. Training in our program is complemented by our UAB Pediatric Pulmonary Center which is one of 5 educational programs funded through a competitive federal grant through MCHB and HRSA that focuses on building leadership skills and promotes awareness of childhood respiratory disease. Clinical training is designed to develop the subspecialty resident's competence in the clinical diagnosis, pathophysiology, and medical treatment of respiratory disorders in pediatric patients within an inter-professional healthcare team. The overall goal of the UAB pediatric pulmonary fellowship program is to train highly qualified physician scientists who will contribute substantially to this field through exemplary patient care, original research, and teaching.

**Our Fellows**

Where? **Children's of Alabama**
- Birmingham, Alabama

What? To improve the health and well-being of our nation's children and youth, especially those with special health care needs.

How? Through graduate-level and post-doctoral training, patient and family care and education, research, consultation, and the provision of continuing education and technical assistance.

By providing interdisciplinary leadership training to health care professionals, we equip them to improve the health of children with respiratory conditions through the provision of family-centered care and enable them to serve as change-agents, positively impacting health care systems across America and beyond.

**Research News**

Steven Rowe, M.D., MSPH, Professor in Medicine, Pediatrics and Physiology is featured in the cover story of UAB Medicine Magazine for his research to understand the links between the nonsense gene mutations and cystic fibrosis.

Jennifer Guimbellot, MD was accepted into the 2016 CTS Training Program as part of the Clinical and Translational Science Award (CTSA).

Jennifer Guimbellot (Ped-Pulmonary) Development of Personalized Approaches to CFTR Modulator Efficacy. Kaul Pediatric Research Institute 02/01/2016-01/31/2017

Wynton Hoover (Ped-Pulmonary) Saline Hypertonic in Preschoolers. SHIP - Seattle 06/19/2015-06/18/2016.


Robert Troxler (Ped-Pulmonary) UAB Pediatric Pulmonary Center. PPC 07/01/2015-06/30/2016.

Please visit the link below for a complete list of Pediatric Pulmonary Faculty [https://www.uab.edu/medicine/peds/pulmonary](https://www.uab.edu/medicine/peds/pulmonary)
The Pediatric Rheumatology fellowship program at UAB was ACGME approved in 2009, two years after the Division of Pediatric Rheumatology was created in 2007. The faculty has grown to 6 board certified pediatric rheumatologists with 3 nurse practitioners, making it the largest program in the southeastern United States. A generous donation/endowment allows us to accept 1 fellow every 3 years, but we are flexible to add more. We practice and impart a reasoned early and aggressive approach to therapy for children with rheumatic diseases, employing a broad range of biologic therapies. A significant amount of “protected” research time (2 of the 3 years) is granted throughout the training period. Those fellows not working in a basic science laboratory are strongly encouraged to get an advanced degree at UAB in public health, clinical epidemiology, or a related field of interest. At graduation, our fellows are well prepared clinically in all aspects of Pediatric Rheumatology. We have a 100% pass rate (1 for 1) for first time board takers, and our first fellow is now one of our faculty. Explore more about our program at: http://www.uab.edu/medicine/peds/rheum

“I was fortunate to be the first fellow in this program with the ability to make these 3 years of training fit my career advancement. I am reminded of how strong our division and training program are during every conversation with other pediatric rheumatologists and our patients. The strength of our division, the opportunities at UAB, and the flexibility of this fellowship program have allowed me to become an excellent clinician and a successful researcher.”

Melissa Mannion, MD
1st Pediatric Rheumatology fellow

FELLOWSHIP DIRECTOR
Randy Q. Cron, MD, PhD
Professor
Arthritis Foundation Endowed Chair
Director of Rheumatology

Residency: Pediatrics, Stanford University
Fellowship: Pediatric Rheumatology, University of Washington

FELLOWSHIP COORDINATOR
Scott DeFreese
E: sdefreese@peds.uab.edu
P: 205.934.1180

FACULTY RESEARCH INTERESTS:
- Diagnosis, Genetics, Pathophysiology, and Treatment of Macrophage Activation Syndrome (MAS)
- Diagnosis and Treatment of Inflammatory Temporomandibular Joint (TMJ) Arthritis in Childhood Rheumatic Diseases
- Gut Microbiota and the Adaptive Immune Response in Spondyloarthritis
- Optimizing Treatment of Juvenile Idiopathic Arthritis (JIA), including Comparative Effectiveness of Treatment Modalities
- Outcomes of JIA in Adulthood
- HIV-1 Transcriptional Regulation and Latency Establishment in CD4 T Lymphocytes and Macrophages
- Use of Ultrasonography to Clinically Monitor Linear Scleroderma and Morphea
SLEEP MEDICINE

ABOUT US
The UAB Sleep Medicine fellowship program is a one year fellowship that focuses on sleep physiology, diagnosis and treatment of sleep disorders in adults and children. Fellows rotate at the Sleep Disorder Center at Children’s and at the UAB Highlands Sleep Disorder Center. Each training site has a unique patient population and faculty with diverse clinical and research experiences.

The Sleep Disorder Center at Children’s of Alabama is one of the busiest pediatric sleep disorder centers in the country. The center is an 9 bed facility and performs over 1500 sleep studies per year. Infants and children with a wide variety of sleep disorders are evaluated on both an outpatient and inpatient basis. Areas of interest include behavioral management of pediatric sleep disorders, positive airway pressure therapy in children with developmental disabilities, movement disorders, pediatric narcolepsy, pediatric insomnia, sleep related breathing disorders, neuromuscular disorders and sleep disturbances in children with chronic disease.

The UAB Highlands Sleep Disorder Center is a 10 bed accredited sleep disorder center located within the UAB medical complex. The center provides outpatient evaluations, inpatient consults and sleep testing for adults with a wide variety of sleep disorders. The center has a long history of clinical excellence, productive research and training sleep medicine fellows.

OUR FELLOWS
Pedro Anis Nourani, MD
Residency: Pediatrics, Driscoll Children’s Hospital Corpus Christi, TX

FELLOWSHIP DIRECTOR
David Lozano, MD
Associate Professor
Residency: Pediatrics, Sacred Heart Children’s Hospital
Fellowship: Pediatric Pulmonary, University of Alabama at Birmingham

CURRENT SLEEP MEDICINE FACULTY
Kristin Avis, PhD, CBSM
Associate Professor, Division of Pediatric Pulmonary & Sleep Medicine, Board Certified in Behavioral Sleep Medicine

Amy Amara, MD, PhD
Assistant Professor, Division of Adult Neurology
Board Certified in Neurology & Sleep Medicine

David Calhoun, MD
Associate Professor, Division of Cardiovascular Disease
Board Certified in Pulmonary & Sleep Medicine

Jennifer DeWolfe, DO
Assistant Professor, Division of Adult Neurology
Board Certified in Sleep Medicine

Susan Harding, MD
Professor, Division of Pulmonary, Allergy & Critical Care
Board Certified in Sleep Medicine

Jeffrey W. Hawkins, MD
Clinical Assistant Professor of Medicine, Division of Pulmonary, Allergy & Critical Care
Board Certified in Pulmonary & Sleep Medicine

Narayan Krishnamurthy, MD
Associate Professor, Division of Pulmonary, Allergy & Critical Care
Board Certified in Internal Medicine, Pulmonary, Critical Care & Sleep Medicine

David Lozano, MD
Associate Professor, Division of Pediatric Pulmonary & Sleep Medicine
Board Certified in Pulmonary & Sleep Medicine

Mary Halsey Maddox, MD
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine, Board Certified in Sleep Medicine

Brad Troxler, MD
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine Board Certified in Pulmonary & Sleep Medicine

ASSOCIATE FELLOWSHIP DIRECTOR
Kristin Avis, PhD, CBSM
Associate Professor
Postdoctoral Training: John Hopkins University School of Medicine/Kennedy Krieger Institute, Predoctoral Internship and Postdoctoral Fellowship in Pediatric Psychology

FELLOWSHIP COORDINATOR
Leslie Jones
E: ljones@peds.uab.edu
P: 205.638.6766

CURRENT GRANTS
Amy Amara, MD, PhD, Neurology, received a K23 Grant on The Effect of Low Frequency STN DBS on Sleep and Vigilance in PD Patients.

Kristin Avis, PhD, Sleep Medicine, received a ResMed Foundation grant for $84K for two years.

David Calhoun, MD, Cardiovascular Disease, received an NIH/NHLBI Grant for Mechanisms of Refractory Hypertension for five years.
ACKNOWLEDGEMENT

PHOTOGRAPHY
All photography included is courtesy of Children’s of Alabama, UAB School of Medicine, and The Greater Birmingham Convention and Visitors Bureau.

CONTENT
Many thanks to all Fellowship Directors and Coordinators for their contributions to this booklet. Special thanks goes out to the Fellowship Marketing Committee and Sara Davies for her hard work and creativity.

OTHER
US Template Map courtesy of www.presentationmagazine.com
2016-2017

UAB Department of Pediatrics
Fellowship Programs
Birmingham, AL 35233-1711

Phone: 205.638.5464
Email: rchandler@peds.uab.edu