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The University of Alabama at Birmingham (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. It has also 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 groundbreaking research, excellence in medical education, and leading-edge treatments for pediatric illnesses and injuries.
Thank you for your interest in our Fellowship Programs. We are pleased that you are here and excited to help you in the process of finding the right fellowship for you.

Throughout this booklet, we hope you'll find beneficial information that will give you a preview of what you will find here at UAB, Children's of Alabama and the city of Birmingham.

If there is anything 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
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RONDA CHANDLER
Subspecialty Coordinator (Point of Contact)
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CITY & PROGRAM OVERVIEW
IT’S NICE TO HAVE YOU IN BIRMINGHAM!

THE BIRMINGHAM ZOO

RAILROAD PARK

VULCAN PARK

BARONS FIELD

BIRMINGHAM BOTANICAL GARDENS

BIRMINGHAM CIVIL RIGHTS INSTITUTE

It’s nice to have you in BIRMINGHAM
ABOUT BIRMINGHAM

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

WHERE TO LIVE

THINGS TO DO

DINING

OUTDOORS

SHOPPING

NIGHTLIFE
WHERE FELLOWS LIVE
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

500+
RESTAURANTS

$990
AVERAGE RENT FOR A 2 BEDROOM APARTMENT

147 MILES TO ATLANTA, GA

210 MILES TO DESTIN, FL (BEACH)

HOME TO THE OLDEST BASEBALL STADIUM, RICKWOOD FIELD. IT OPENED IN 1910

VULCAN IS THE WORLDS LARGEST CAST IRON STATUE AND WEIGHS 101,200 lbs
UAB PEDIATRICS BY THE NUMBERS (2017)

73,144
NUMBER OF VISITS TO EMERGENCY MEDICINE

954
PEDIATRIC CRITICAL CARE TRANSPORTS

215
PEDIATRIC MEDICAL FACULTY MEMBERS

18 FELLOWSHIP PROGRAMS

62 FELLOWS

91 RESIDENTS

380 LICENSED BEDS AND BASSINETS

253 DAILY AVERAGE CENSUS

9 CONSECUTIVE YEARS RANKED AMONG NATION’S BEST BY U.S. NEWS AND WORLD REPORT

15,548 INPATIENT ADMISSIONS

272,009 OUTPATIENT CLINIC VISITS
### Fellowship Overview

### ACGME Approved Pediatric Fellowship Programs

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Specialty</th>
</tr>
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<tbody>
<tr>
<td>Adolescent Medicine</td>
<td>Hematology-Oncology</td>
</tr>
<tr>
<td>Allergy-Immunology</td>
<td>Hospice-Palliative Care</td>
</tr>
<tr>
<td>Cardiology</td>
<td>Infectious Diseases</td>
</tr>
<tr>
<td>Child Neurology</td>
<td>Neonatology</td>
</tr>
<tr>
<td>Critical Care</td>
<td>Nephrology</td>
</tr>
<tr>
<td>Emergency Medicine</td>
<td>Pulmonology</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>Rheumatology</td>
</tr>
<tr>
<td>Gastroenterology</td>
<td>Sleep Medicine</td>
</tr>
</tbody>
</table>

### Non-ACGME Pediatric Fellowship Programs

- Cardiac Critical Care
- Hospital Medicine

### Total Fellows by Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Fellows</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2007</td>
<td>34</td>
</tr>
<tr>
<td>2007-2008</td>
<td>39</td>
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<td>2008-2009</td>
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<td>2015-2016</td>
<td>61</td>
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<tr>
<td>2016-2017</td>
<td>59</td>
</tr>
<tr>
<td>2017-2018</td>
<td>59</td>
</tr>
<tr>
<td>2018-2019</td>
<td>62</td>
</tr>
</tbody>
</table>

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.)
OUR FELLOWS ACROSS THE NATION

Where UAB Pediatric Fellows Come From
2018-2019

Indicates where our current fellows completed their residency training

Where UAB Pediatric Fellows Go
2000-2018

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.
FELLOW EDUCATION

FELLOWS’ RESEARCH ROUNDTABLE
The Fellows’ Research Roundtable promotes internal discussion of research-related topics across divisions and departments. Presentations have covered many types 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.

SAMPLE PRESENTATION TOPICS

| Early Vitamin D Supplementation in Extremely Preterm Infants |
| Asthma Prescription Filling and Readmission |
| Development of an Outcome Measure for Young Adults with JIA |
| TGF-beta Pathobiology in CF Lung Disease |

CORE EDUCATIONAL CURRICULUM
The Fellows’ Core Educational Series was organized in 2015 to supplement individual division-level educational efforts. The primary focus is on topics that cross all fellowships. Examples of topics to be covered include: research, career development, education-related topics, teaching and presenting skills, cultural competency, communication, advocacy and leadership.

<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>
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<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>
FELLOWS RESEARCH

PEDIATRIC SCIENCE DAY
In 2016, the Department of Pediatrics began hosting an annual Pediatric Science Day in the Bradley Lecture Center. On average, twenty pediatric presentations are showcased, including presentations by pediatric fellows, pediatric residents, post-docs, medical students and others. Each year a key note speaker is recruited as an integral, active participant during both the platform and poster sessions. They also are the featured Grand Rounds speaker. Typically, 70 plus faculty members participate in the day’s activities.

PRESENTATIONS AT REGIONAL AND NATIONAL CONFERENCES
Fellows have the opportunity to present their research at regional and national conferences.
Over the years fellows have presented at:
• Pediatric Academic Societies Meeting,
• Southern Society for Pediatric Research Annual Meeting
• UAB Research and Innovations in Medical Education (RIME) Week
• UAB Pediatric Science Day
• and many subspecialty conferences.

PEDIATRIC RESEARCH OFFICE
The UAB Department of Pediatrics established the Pediatric Research Office (PRO) in 2015 to renew its commitment to the generation of new knowledge in the diagnosis, treatment, and sequelae of pediatric diseases.

The PRO provides assistance to investigators conducting pediatric research by providing pre-award and post-award support. A collaborative group from Pediatrics and beyond, the PRO’s activities are well-integrated with other research and training efforts across the university.

In FY 2017, the Department of Pediatrics faculty had over 240 publications, research funding from the NIH of $15 million (placing us 18th among all Departments of Pediatrics in the United States) and total research funding of $29 million.
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 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. Our staff strives 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.
QUALITY IMPROVEMENT AND PATIENT SAFETY

Quality improvement and patient safety are key educational components to fellowship training. UAB has a unique Graduate Certificate Program in Healthcare Quality and Safety. This program can lead to a Master’s degree via the UAB School of Health Professions. These are valuable opportunities for our fellows to participate in during their training.

Realizing that all fellows may not desire to obtain this certificate, a UAB Mini Quality Academy (MQA) has been developed to provide a standard curriculum in Quality Improvement and Patient Safety. Each half-day session allows for inter-professional training and collaboration. Participants will learn methods for being an effective member of an impactful QI team. Most residents and fellows will be required to participate in MQA.

Samples of UAB Pediatric Fellow QI Projects:

• Sickle Cell and Fever – Time to Antibiotics
• Outpatient Constipation Project
• Reducing VTE in at risk patients
• Breastfeeding Initiation Rates
• Annual flu shot compliance in immunocompromised patients
FELLOWSHIP WELLNESS
FELLOWSHIP AWARDS

DIXON FELLOWSHIP AWARD

The Dixon Foundation endows a fellowship program in Pediatrics expressly aimed at
supporting post-doctoral 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. As part
of this prestigious award, recipients benefit from salary support and an additional $5,000 per
year discretionary fund to support research and continuing education.

2018 DIXON FELLOWS

Dr. Abdulsalam Alsulami
Infectious Disease
One Year Award

Dr. Neha Gupta
Critical Care
One Year Award

Dr. Samantha Hill
Adolescent Medicine
One Year Award

Dr. Nazia Kabani
ID & Neonatology
Two Year Award

Dr. Cali Reynolds
Allergy/Immunology
One Year Award

CHU FAMILY EDUCATIONAL SCHOLARSHIP

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, Masters of Science in
Public Health, Quality Academy, Masters of Quality and Safety, Masters of Education, Masters
of Business Administration and others. To date, Chu Scholarships have been awarded to nine
Pediatric Fellows to assist in furthering their educational goals.

2018-2019 CHU FAMILY SCHOLARS

Dr. Jeremy Loberger
Critical Care Fellow
Educational Initiative: UAB
Quality Academy Certificate Course

Dr. Aman Wadhwa
Hematology/Oncology Fellow
Educational Initiative: Masters of Public Health in Outcomes Research at UAB
ADOLESCENT MEDICINE

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 masters level training in public health, maternal and child health, health administration and other health-related fields.

OUR FELLOWS

Samantha Hill, M.D.
Research Interest: Adolescent Sexual Health

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.

Samantha Hill, M.D.

Hannah Hulsey, M.D.
Research Interest: Adolescent Preventative Health

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

www.uab.edu/medicine/peds/education/training-programs/leah-grant

FELLOWSHIP DIRECTOR

Tina Simpson, M.D., MPH
Professor

Residency: Pediatrics, UAB
Fellowship: Adolescent Medicine, UAB

FELLOWSHIP COORDINATOR

Adrienne Marbury, MPA

E: amarbury@peds.uab.edu
P: 205.638.6970

FACULTY RESEARCH INTERESTS

Heather Austin, Ph.D.
Adolescent and Pediatric Obesity, and Variables Affecting Health Behavior in Adolescents

Krista Casazza, Ph.D., RDN, LD
Musculoskeletal Function in Adolescents

Nefertiti Durant, M.D., MPH
Using Technology to Promote Physical Activity

Tina Simpson, M.D., MPH
Adolescent Sexual Risk Taking Behaviors
HPV Vaccination

Stephenie Wallace, M.D., MSPH
Pediatric and Adolescent Obesity
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. Harry Schroeder, Tracy Hwangpo, and Prescott Atkinson at the UAB Kirklin Clinic and with Drs. Weily Soong, John Anderson, Tracy Hwangpo, and Amy CaJacob at the Birmingham VA Medical Center. They also receive training in the outside offices of two local private allergy practices under the supervision of volunteer clinical faculty.

**FELLOWSHIP DIRECTOR**

Prescott Atkinson, M.D., Ph.D.
Division Director
Professor

Residency: Pediatrics, UAB
Georgetown University
Fellowship: Allergy & Immunology
NIH/NIAID

**ASSOCIATE FELLOWSHIP DIRECTOR**

Amy CaJacob, M.D.
Assistant Professor

Residency: Internal Medicine, UAB
Fellowship: Allergy & Immunology, UAB

**FELLOWSHIP COORDINATOR**

Scott DeFreese
E: sdefreese@peds.uab.edu
P: 205.638.6472

The UAB Allergy & Immunology Fellowship Program dates to 1990 and has trained 23 fellows to date with a 96% pass rate on the UAB Allergy & Immunology Boards.

Fellows attend one half-day clinic per week on a rotating basis in the private offices of four volunteer faculty who practice in the local community. During their two years of training, fellows are also encouraged to pursue electives in adult and pediatric ENT and Dermatology, specialties with considerable overlap in our field.

Fellows and faculty meet twice weekly for didactic seminars and for a monthly journal club/case presentation session at the Kirklin Clinic with community allergist/immunologists. All fellows are required to pursue a research project and a quality improvement project under a mentor either among the Fellowship Faculty or other faculty members at UAB and to present their work at a national meeting and in scholarly journals.

**RESEARCH INTERESTS:**

Dr. Atkinson: 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. CaJacob: My research interests involve food and drug allergies and the development of hospital-based programs to validate these within the hospital EMR systems.
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 candidate’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

Matthew Clark, M.D.

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:


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:

- How low gamma globulin levels impact newborn heart surgery patients
- Cardiac Surgery Induced AKI and fluid overload
- 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
The Pediatric Cardiology Fellowship program at 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.

OUR FELLOWS

Stephen Clark, M.D.
Jeb Raulston, M.D.
Leslie Collins, M.D.
Rune Toms, M.D.

PUBLICATIONS


FELLOWSHIP DIRECTOR

Mark Law, M.D.
Associate Professor
Residency: Internal Medicine/Pediatrics, UAB
Fellowship: Pediatric Cardiology, Baylor College of Medicine

ASSOCIATE FELLOWSHIP DIRECTOR

Robb Romp, M.D.
Associate Professor
Residency: Pediatrics, UAB
Fellowship: Pediatric Cardiology, Duke University Medical Center

FELLOWSHIP COORDINATOR

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

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
- Heart transplant outcomes
- Cardiac findings in tuberous sclerosis
- Ultrasound guided procedures
- Outcomes of transcatheter pulmonary valve implantation
- Palliation versus repair in tetralogy of Fallot
- Short, mid and long-term outcomes of the Fontan operation
- Feeding in neonates before and after congenital heart surgery
- Percutaneous ECMO cannulation in the ICU
- Epidemiology of Kawasaki Disease in the South
- Genetic Screening in Congenital Heart Disease
- Aspiration and Associated Adverse Events after Congenital Heart Surgery
CHI LD NEUROLOGY

The UAB Child Neurology Residency is combined with the Pediatric Residency Program. Applicants do NOT need to apply to the Pediatric Residency Program for the Child Neurology Residency 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 weekly EMGs and monthly Muscular Dystrophy clinics. In addition to our well esteemed faculty members, our nurse practitioners are Certified Neuroscience Registered. Child Neuro training is based on supervised clinical work with increasing resident responsibility. Our training strives to ensure that our residents are effectively independent prior to graduation.

OUR FELLOWS

Neil Sankhla, M.D.

“I couldn’t be happier with my experience as a UAB Child Neurology Resident so far. I’ve had the privilege to encounter a wide variety of patients and pathologies, and work closely with attending’s and co-residents who continue to inspire me with their expertise, passion, and dedication”
- Neal Sankhla, M.D.

Rachel Bass, D.O.

“...my patients and families bring me pure joy. I am honored to train in an environment that allows me to heal, inspire, and love while being uniquely cultivated into a well equipped, inclusive person-centered physician”
- Brittney Jones, M.D.

Brittney Jones, M.D.

RESIDENTS

Child Neuro Residents currently completing Pediatrics Residency:
- Matthew Lustig, M.D.
- Erin Williams, M.D.

RESIDENCY DIRECTOR

Tony McGrath, M.D.
Associate Professor

Residency: Neurology, University of Oklahoma
Fellowship: Neurology, UAB

RESIDENCY COORDINATOR

Charmaine Echols

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

RESEARCH INTERESTS:

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

- Comparison of Acute Flaccid Myelitis Patients Diagnosed Since 2014 vs. Those Identified Retrospectively with Onset Prior to 2014 (Lydia Marcus, M.D.; Jayne Ness, M.D.)
- The Use of Simulation in Stroke Education for Pediatric Residents and Fellows (PI: Sarah Novara, M.D.)
- A Multicenter, Open-Label Study to Investigate the Safety And Toerability of Intravenous Lacosamide As Replacement For Oral Lacoamide In Children [≥4 To < 17 Years of Age] With Epilepsy (PI: Pongkiat Kankirawatana, M.D.)
- Mitochondrial Diseases Registry (PI: Leon Dure, M.D.)
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 16 months clinical service, 20 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 24 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.

The Critical Care Division also has a nurse research coordinator who supports and assists the fellows and attendings with research. This support can include helping with initial IRB submission, maintaining IRB regulatory documents, staff education, patient screening, consenting, and sample/data collection.
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 fellowship programs from 17 other divisions in our hospital.

We offer all electives and a significant amount of protected research time is distributed 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!

Shaundra Blakemore, M.D.

FELLOWSHIP DIRECTOR

Ann Klasner, M.D., MPH
Professor

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

ASSISTANT FELLOWSHIP DIRECTOR

Terri Coco, M.D.
Associate Professor

Residency: Pediatrics, UAB
Fellowship: Pediatric Emergency Medicine, UAB

FELLOWSHIP COORDINATOR

Brittany Appelboom

E: bappelboom@peds.uab.edu
P: 205.638.6557

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

- Febrile Sickle Cell Patients, ED Time to Antibiotics
- The Pediatric Septic Shock Collaborative
- Do retained fragments from GSW cause increased serum lead levels over time
- IN Fentanyl protocol use for acute pain control in the ED
- Intervention on Caregiver Smoking Habits
- Effect of music on caregiver stress level in Pediatric ED
- Geo-mapping of patients with frequent visits to our ED
The Pediatric Endocrinology fellowship program at 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 two 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.

FELLOWSHIP DIRECTOR

Michael Stalvey, M.D.
Associate Professor

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

ASSISTANT FELLOWSHIP DIRECTOR

Mary Lauren Scott, M.D.
Associate Professor

Residency: Combined Internal Medicine-Pediatrics, UAB
Fellowship: Pediatric Endocrinology, UAB

FELLOWSHIP COORDINATOR

Toni Davison
E: tdavison@peds.uab.edu
P: 205.638.5025

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 (CFRD)
- 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
- Early predictors of CFRD
- Immunologic modulation in new-onset Type 1 diabetics

“The UAB Pediatric Endocrinology fellowship has far exceeded my expectations. We have exposure to exceedingly rare pathology in addition to ‘bread and butter’ endocrinology due to our far-reaching referral base. Our attendings are brilliant and also approachable. They have created a stimulating environment for fellows with a system of graduated responsibility that allows us to become responsible, independent providers. The research possibilities are endless as is the support we feel in this program.”
- Heather Choat, M.D.
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 educate 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**

Saurabh Talathi, M.D.  
Sasha Monteil, M.D.  
Adam Cohen, M.D.  
Taylor Woodfin, M.D.

**RESEARCH INTERESTS:**

**Faculty:**
- Development of Health Behavior Interventions to Improve Medical and Quality of Life Outcomes in Pediatric Inflammatory Bowel Disease
- Evaluation of Clinical Outcomes in Patients with Gastrointestinal Motility Disorders
- Treatment Approaches in NAFLD and Health Disparities in Pediatric Liver Transplant
- Identification of Modifiable Factors Associated with Response to Treatment for Obesity
- Eosinophilic Gastrointestinal Diseases, Quality Improvement
- Aerodigestive Outcomes
- Nutrition in Intensive Feeding Program
- Intestinal Rehabilitation
- Inflammatory Bowel Disease
- Pediatric Acute Liver Failure
- Pediatric Liver Disorders and Liver Transplant

**Fellows:**
- Sleep and Quality of Life in Children Nightly Enteral Tube feeds.
- Establishing the Intestinal Failure Gut Microbiome
- Gastrointestinal Manifestations of Hemolytic Uremic Syndrome

**FELLOWSHIP DIRECTOR**

Jeanine Maclin, M.D., MPH  
Associate Professor  
Co-Director, Inflammatory Bowel Disease Clinic  
Residency: Pediatrics, UAB  
Fellowship: Pediatric Gastroenterology, UAB

**ASSISTANT FELLOWSHIP DIRECTOR**

Rachel Kassel, M.D., Ph.D.  
Assistant Professor  
Residency: Pediatrics, St. Louis Children’s Hospital, Washington University  
Fellowship: Pediatric Gastroenterology, St. Louis Children’s Hospital, Washington University

**FELLOWSHIP COORDINATOR**

Bonnie Hawkins  
E: bhawkins@peds.uab.edu  
P: 205.638.5191

**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
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

Jason Payne, M.D.
Aman Wadhwa, M.D.
Aditi Dhir, M.D.
Charles Schlappi, M.D.
Anna Hoppmann, M.D.
Lauren Smith, M.D.

FELLOWSHIP DIRECTOR

Kimberly Whelan, M.D., MSPH
Associate Professor
Medical Director, Taking on Life After Cancer Clinic
Residency: Pediatrics, Vanderbilt University Medical Center
Fellowship: Pediatric Hematology/Oncology, UAB

ASSISTANT FELLOWSHIP DIRECTOR

Ana Xavier, M.D.
Associate 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

RESEARCH INTERESTS:

Fellows:

- Outcomes research in high risk leukemia & SCT patients
- Pain Management in sickle cell disease
- Oncology Virotherapy
- Drug resistance pattern in AML

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 virotherapy (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.

Dr. Brandi McClain Pernell: Clinical and translational research in children with sickle cell disease with and without comorbid pulmonary complications.
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 40 fellows from across the country, some directly out of residency training and others mid-career. Our 1-year fellowship offers a rigorous interdisciplinary education in palliative care at Children’s of Alabama, UAB Hospitals, and the Birmingham VA Medical Center. Fellows also receive training in the outpatient setting through the UAB Supportive Care & Survivorship Clinic and Muscular Dystrophy 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.

Our Pediatric Palliative & Supportive Care team includes 5 physicians, 1 CRNP, and 1 Nurse Clinician.

**OUR FELLOWS**

Bonnie Baker, M.D.  
Barton Sanders, M.D.  
Sam Webb, M.D.  
Jessica Wolff, M.D.

**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
- Rapid Review of Palliative Care in End-Stage Liver Disease
- Prognostication in Shunted Hydrocephalus
- Intravenous Lidocaine for Refractory Pain in Pediatric Patients
- Out-of-Hospital DNRs for Hospice Discharges
- Interventional Pain Procedures for HPM Patients

**FELLOWSHIP DIRECTOR**

Michael D. Barnett, M.D., MS, FACP, FAAP, FAAHPM  
Assistant Professor  
Medicine & Pediatrics

Residency: Combined Internal Medicine-Pediatrics, UAB  
Fellowship: Hospice & Palliative Medicine, University of Pittsburgh

**ASSISTANT FELLOWSHIP DIRECTOR**

Heather L. Herrington, M.D.  
Associate Professor  
Medicine

Residency: Internal Medicine, University of Texas–Houston  
Fellowship: Geriatric Medicine, Harvard Medical School

**FELLOWSHIP COORDINATOR**

Elizabeth McAlister  
E: emcalister@uabmc.edu  
P: 205.934.7972

We accept four fellows per year into the program, including one in our Pediatric track.

Please feel free to call us with additional questions. We look forward to hearing from you!
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. PHM fellows work with 13 academic pediatric hospitalists who are UAB Department of Pediatrics faculty.

OUR FELLOWS

Karissa Grizzle, M.D.
Laura Wagner, D.O.
Hannah Gardner, M.D.
Jennifer Hoefert, M.D.

FELLOWSHIP DIRECTOR
Chang L. Wu, M.D. MSCR
Assistant Professor
Residency: Pediatrics, Medical University of South Carolina
Fellowship: General Academic Medicine, Medical University of South Carolina
E: cwu@peds.uab.edu

FELLOWSHIP COORDINATOR
Gay Blair
E: gblair@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
- Inpatient Management of Unintentional Ingestions
- Asthma Controller Medication Compliance and Risk for Subsequent Hospitalization
- Honors Criteria in Medical Education Evaluations
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 UAB 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

Abdulsalam Alsulami, M.D.  Nazia Kabani, M.D.  Dual Neonatology/Infectious Disease Fellow
Nicole Samies, D.O.  Connie Trieu, M.D.

Quote from a recent fellow:
"Completing fellowship training in Pediatric Infectious Diseases at UAB has been an incredible opportunity to work with and learn from both experts and international leaders in the fields of both pediatric and adult Infectious Diseases as well as leaders from other disciplines and collaborators from around the globe. Children's of Alabama is a wonderful hospital to work in and UAB has an extensive research infrastructure with an emphasis on collaboration and a sincere desire to help trainees succeed."

FELLOWSHIP DIRECTOR

Scott James, M.D.  Assistant Professor
Residency: Pediatrics, University of South Florida
Fellowship: Pediatric Infectious Diseases, UAB

FELLOWSHIP COORDINATOR

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

RESEARCH INTERESTS:

The Pediatric Infectious Diseases Division at 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 & ACHIEVEMENTS

The Division won the inaugural UAB Department of Pediatrics Award for Best Teaching Rotation.
Bill Britt, M.D. was the Keynote Speaker at the 42nd Annual International Herpesvirus Workshop in Ghent, Belgium.
Suresh Boppana, M.D. was awarded the inaugural Congenital CMV Award at the 5th International Congenital CMV Conference in Brisbane, Australia.
David Kimberlin, M.D. has been reappointed as Editor of the American Academy of Pediatrics Red Book.
The Division houses the Central Office for the Collaborative Antiviral Study Group (CASS), a multi-institutional research group which focuses on clinical trials of antiviral drugs in both pediatric and adult populations.
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**

Namasiyam Ambalavanan, M.D.
Professor of Pediatrics, Pathology, and Cell, Developmental, and Integrative Biology

**Fellowship:** Neonatology Fellowship, UAB

**Residency:** Pediatrics, UAB

**ASSOCIATE FELLOWSHIP DIRECTOR**

Trent Tipple, M.D.
Associate Professor

**Residency:** Pediatrics, Nationwide Children’s

**Fellowship:** Neonatology, Nationwide Children’s

**FELLOWSHIP COORDINATOR**

Yeon Branch Chandler

E: vbchandler@peds.uab.edu
P: 205.996.5419

**OUR FELLOWS**

Kalsang Dolma, M.D.
Thanh Summerlin, M.D.
Hansa Wongprasert, M.D.

Anisha Bhatia Attawala, M.D.
Andrew Klinger, M.D.
Sara Staples, M.D.

Nazia Kabani, M.D.
(Snehashis Hazra, M.D.
Bianca Vamesu, M.D.

Veon Branch Chandler

**RESEARCH INTERESTS**

**Faculty:**

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

OUR FACULTY

David Askenazi, M.D., MSPH
Sahar Fathallah-Shaykh, M.D.
Michael Seifert, M.D., MSCI
Tennille Webb, M.D.
Megan Yanik, M.D., MSPH

FELLOWSHIP DIRECTOR

Daniel Feig, M.D., Ph.D., MS
Professor
Residency: Pediatrics, University of Washington
Fellowship: Pediatric Nephrology, Harvard University

FELLOWSHIP COORDINATOR

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

RESEARCH INTERESTS:

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 interprofessional healthcare team. The overall goal of the UAB pediatric pulmonary fellowship program is to train highly qualified clinicians and physician scientists who will contribute substantially to this field through exemplary patient care, original research, and teaching.

OUR FELLOWS

Miles Fowler, M.D.
Residency: Pediatrics, Palmetto Health Richland

Vignesh Nayak, M.D.
Residency: Pediatrics, Children’s Hospital at Sacred Heart

Pedro Anis Nourani, M.D.
Residency: Pediatrics, Driscoll Children’s Hospital

FELLOWSHIP DIRECTOR

Wynton Hoover, M.D.
Associate Professor

Medical School: LSUHSC
Residency: Pediatrics, University of Florida
Fellowship: Pediatric Pulmonary, Indiana University

ASSISTANT FELLOWSHIP DIRECTOR

Brett Turner, M.D.
Assistant Professor

Medical School: UAB
Residency: Pediatrics, UAB
Fellowship: Pediatric Pulmonary, UAB

FELLOWSHIP COORDINATOR

Leslie Jones
E: ljones@peds.uab.edu
P: 205.638.6766
F: 205-638-2848

CURRENT GRANTS

Hector H Gutierrez (Ped - Pulmonary) Cystic Fibrosis Screening for Newborn Infants ALABAMA DEPARTMENT OF PUBLIC HEALTH. $38,000. 10/01/2017 - 09/30/2018.

Hector H Gutierrez (Ped - Pulmonary) Implementation of the Depression and Anxiety Guideline: Award for a Mental Health Coordinator Cystic Fibrosis Foundation. $54,109. 01/01/2018 - 12/31/2018.

William Thomas Harris (Ped - Pulmonary) VERTEX PHARMACEUTICALS, INC. $118,110. 11/06/2017 - 11/05/2018.


Wynton C. Hoover (Ped - Pulmonary) Pediatric Physical Therapist Award Cystic Fibrosis Foundation. $30,000. 10/01/2017 - 10/31/2018.

Isabel Virella-Lowell (Ped - Pulmonary) TDN PI Protected Effort Cystic Fibrosis Foundation. $617. 01/01/2018 - 12/31/2018.

Robert Truax (Ped - Pulmonary) SANTHERA PHARMACEUTICALS LIMITED [SWITZERLAND]. $60,495. 12/16/2016 - 12/15/2019

Please visit the link below for a complete list of faculty
https://www.uab.edu/medicine/peds/faculty/pulmonary-sleep-medicine
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 4 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/divisions/rheumatology

OUR FELLOWS

Courtney Crayne, M.D.

“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, M.D.
1st Pediatric Rheumatology fellow

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

FELLOWSHIP DIRECTOR

Randy Q. Cron, M.D., Ph.D.
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: 205.38.6472

-40-
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 12 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 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

Brandon Seay, M.D.
Residency: Pediatrics, Morehouse School of Medicine
Fellowship: Pediatric Pulmonary, University of Florida

Fellowship Coordinator

Leslie Jones
E: ljones@peds.uab.edu
P: 205.638.6766
F: 205-638-2848

Fellowship Director

Krisztina Harsanyi-Jilling, M.D.
Assistant Professor
Residency: Child Neurology, Northwestern University Medical School
Fellowship: Sleep Medicine, Northwestern University Medical School

Current Grants

David Calhoun, M.D., AHA SFRN, UAB Strategically Focused Hypertension Research Network Clinical Science Project "Mechanisms of Nocturnal Hypertension and Non-Dipping Blood Pressure" 04/01/2015-03/31/2019

Current Sleep Medicine Faculty

Amy Amara, M.D., Ph.D.
Assistant Professor, Division of Adult Neurology

Puneet Aulakh, M.D.
Assistant Professor
Division of Pulmonary, Allergy & Critical Care

David Calhoun, M.D.
Associate Professor, Division of Cardiovascular Disease

Joseph Daley, M.D.
Assistant Professor, Division of Adult Neurology
Deputy Director, Birmingham VAMC Sleep Center

Jennifer DeWolfe, D.O.
Assistant Professor, Division of Adult Neurology

Hector Gutierrez, M.D.
Professor, Raymond K. Lyrene, M.D. Endowed Chair in Pediatric Pulmonary Division Director, Division of Pediatric Pulmonary and Sleep Medicine

Susan Harding, M.D.
Professor, Division of Pulmonary, Allergy & Critical Care

Kristina Harsanyi, M.D.
Assistant professor
Division of Neurology

Jeffrey W. Hawkins, M.D.
Clinical Assistant Professor of Medicine, Division of Pulmonary, Allergy & Critical Care

Mary Halsey Maddox, M.D.
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine

Patricia Patterson, M.D.
Associate Professor, Division of Pulmonary, Allergy & Critical Care

S. Justin Thomas, Ph.D.
Assistant Professor, Department of Psychiatry

Brad Troxler, M.D.
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine

Current Faculty

Amy Amara, M.D., Ph.D.
Assistant Professor, Division of Adult Neurology

Puneet Aulakh, M.D.
Assistant Professor
Division of Pulmonary, Allergy & Critical Care

David Calhoun, M.D.
Associate Professor, Division of Cardiovascular Disease

Joseph Daley, M.D.
Assistant Professor, Division of Adult Neurology
Deputy Director, Birmingham VAMC Sleep Center

Jennifer DeWolfe, D.O.
Assistant Professor, Division of Adult Neurology

Hector Gutierrez, M.D.
Professor, Raymond K. Lyrene, M.D. Endowed Chair in Pediatric Pulmonary Division Director, Division of Pediatric Pulmonary and Sleep Medicine

Susan Harding, M.D.
Professor, Division of Pulmonary, Allergy & Critical Care

Kristina Harsanyi, M.D.
Assistant professor
Division of Neurology

Jeffrey W. Hawkins, M.D.
Clinical Assistant Professor of Medicine, Division of Pulmonary, Allergy & Critical Care

Mary Halsey Maddox, M.D.
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine

Patricia Patterson, M.D.
Associate Professor, Division of Pulmonary, Allergy & Critical Care

S. Justin Thomas, Ph.D.
Assistant Professor, Department of Psychiatry

Brad Troxler, M.D.
Assistant Professor, Division of Pediatric Pulmonary & Sleep Medicine
INSTITUTIONAL INFORMATION
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 hereby 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 limitation, those sections regarding 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.D), 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 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 I 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 I and that the 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 end of the agreement, 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 non-renewal. Any resident receiving notice of intent to not renew his/her contract may request a hearing as outlined in GME Policies and 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 GME Policies and 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 end of the agreement.

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: ____________________________

Gustavo Heudebert, MD—Designated Institutional Official

Date: _____________________________, 20___

By: ____________________________

Program Director

Date: _____________________________, 20___

RECEIVED:

By: ____________________________

Resident

Date: _____________________________, 20___

Revised 8/1/2014

-44-
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 2018-2019 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:

# SALARY AND BENEFITS

## SALARY

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<tr>
<th>PGY</th>
<th>Amount</th>
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<td>PGY-4</td>
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<td>PGY-5</td>
<td>$60,014</td>
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<td>PGY-6</td>
<td>$62,678</td>
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## BENEFITS

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<tr>
<th>At no cost</th>
<th>Other benefits at favorable rates</th>
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<tbody>
<tr>
<td>Professional liability insurance</td>
<td>Health insurance plans for residents, spouses and dependent children</td>
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<tr>
<td>Group term life insurance</td>
<td>Dental insurance</td>
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<tr>
<td>Long-term disability insurance</td>
<td>Vision Insurance</td>
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<tr>
<td>Accidental death and dismemberment insurance</td>
<td>Hospital Parking</td>
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<tr>
<td>Lab coats, Pagers, Scrubs</td>
<td>Campus Recreation Center</td>
</tr>
<tr>
<td>Photocopying/faxing privileges</td>
<td>Onsite Childcare</td>
</tr>
<tr>
<td>Medline database</td>
<td>Voluntary Retirement Plans</td>
</tr>
<tr>
<td>Counseling services through the UAB Faculty and Staff Assistance Program</td>
<td>Voluntary Life Insurance Plans</td>
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<tr>
<td>Three weeks off/year</td>
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<tr>
<td>Family leave (maternity &amp; paternity)</td>
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## MISCELLANEOUS

- Education Fund
- Conference travel allowance
- Financial support for international rotation
- On-site Medical Library
- Medical license reimbursement
- Moonlighting opportunities
- NRP, BLS, PALS, ATLS Courses
- Yearly in-service exam
EMPLOYEE BENEFITS FOR HOUSE OFFICERS

UNIVERSITY PAID INSURANCE

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

2. Accidental Death and Dismemberment Insurance
   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 VivaChoice, VivaUAB, VivaAccess, or Blue Cross are not elected.

VivaChoice, VivaUAB, VivaAccess, or Blue Cross monthly deductions:

<table>
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<tr>
<th></th>
<th>Viva Choice</th>
<th>VivaUAB</th>
<th>VivaAccess</th>
<th>Blue Cross/PMD</th>
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<td><strong>Single coverage</strong></td>
<td>$76.00</td>
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<td>$153.94</td>
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<td><strong>Employee+up to 2</strong></td>
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<td>$270.66</td>
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<td><strong>Family coverage</strong></td>
<td>$366.18</td>
<td>$408.88</td>
<td>$663.73</td>
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</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 - $18.78/month, Family Coverage - $48.05/month
   Comprehensive Option: Single Coverage - $35.74/month, Family Coverage - $91.24/month
   (See UAB Employee Handbook for more information or uab.edu/gme)

2. UAB Select: Flexible Spending Accounts - Pretax reimbursement for eligible medical and dependent care expenses up to $2600 (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.
# 2018-2019 UAB Pediatric Medical Faculty

## Academic General Pediatrics
- **Terry Wall, M.D.**
- **Jennie Andresen, M.D.**
- **Heather Ashley, M.D.**
- **Cason Benton, M.D.**
- **Courtney Campbell, M.D.**
- **Krista Casaza, Ph.D.**
- **Jennifer Chambers, M.D.**
- **Candice Dye, M.D.**

## Allergy and Immunology
- **Prescott Atkinson, M.D.**
- **Suthida Kankirawatana, M.D.**
- **Amy CaJacob, M.D.**

## Cardiology
- **Yung Lau, M.D.**
- **Wally Caro, M.D.**
- **Edward Colvin, M.D.**
- **Camden Hebsen, M.D.**
- **Walter Johnson, M.D.**

## Cardiac Critical Care
- **Santiago Borasino, M.D.**
- **Erika Mendoza, M.D.**

## Critical Care
- **Nancy Tofil, M.D.**
- **Mark Buckmaster, M.D.**
- **Leslie Hayes, M.D.**
- **Michele Kong, M.D.**
- **Priya Prabhakaran, M.D.**

## Child Abuse
- **Michael Taylor, M.D.**

## Developmental Pediatrics
- **Myriam Peralta, M.D.-Interim**
- **Allison Cavender, M.D.**
- **Snehal Khatri, M.D.**
- **Justin Schwartz, M.D.**

## Emergency Medicine
- **Peter Glaeser, M.D.**
- **Allury Arora, M.D.**
- **Mark Baker, M.D.**
- **Edward Lose, M.D.**
- **Laurie Marzullo, M.D.**
- **Heather Mitchell, M.D.**
- **Kathy Monroe, M.D.**
- **Melissa Peters, M.D.**
- **Christopher Pruitt, M.D.**
- **James Sedlis, M.D.**
- **Calvin Spellmon, M.D.**
- **Annalise Sorrentino, M.D.**
- **Marjorie Lee White, M.D.**

## Endocrinology
- **Kenneth McCormick, M.D.**
- **Hussein Abdul-Latif, M.D.**
- **Ambika Ashraf, M.D.**
- **Joycelyn Atchinson, M.D.**
- **Giovanna Beauchamp, M.D.**
- **Caroline Colvin, M.D.**
- **Priya Prabhakaran, M.D.**
- **Robby Richter, M.D.**
- **Will Sasser, M.D.**
- **Alice Walz, M.D.**
- **Jeanine Maclain, M.D.**
- **Michelle Mastin, Ph.D.**
- **Jose Mestre, M.D.**
- **Gillian Noel, M.D.**
- **Janaina Nogueira, M.D.**
- **Amanda Soong, M.D.**
- **Neellesh Tipnis, M.D.**
- **Carter Wallace, M.D.**

## Gastroenterology, Nutrition and Hepatology
- **Reed Dimmitt, M.D.**
- **Margaux Barnes, Ph.D.**
- **Nick CaJacob, M.D.**
- **David Galloway, M.D.**
- **Marissa Gowan, Ph.D.**
- **Traci Jester, M.D.**
- **Rebecca Kassel, M.D.**
- **Claire Keith, M.D.**
- **Mike Leonis, M.D.**
- **Jeanine Maclain, M.D.**
- **Michelle Mastin, Ph.D.**
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<tr>
<th>Specialty</th>
<th>Faculty Name</th>
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<tr>
<td>Gerontology, Geriatrics and Palliative Care</td>
<td>Sam Perna, M.D.</td>
<td>Michael Hurst, M.D.</td>
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<td>Michael Barnett, M.D.</td>
<td>Ashley Nichols, M.D.</td>
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<td>Hematology/Oncology</td>
<td>Kim Whelan, M.D.-Acting</td>
<td>Wendy Landier, Ph.D.</td>
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<td></td>
<td>Elizabeth Alva, M.D.</td>
<td>Jeffrey Lebensburger, D.O.</td>
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<td></td>
<td>Jamie Aye, M.D.</td>
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<td>Christy Bemrich-Stolz, M.D.</td>
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<td>Smita Bhatia, M.D.</td>
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<td>Joseph Chewning M.D.</td>
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<td>Gregory Friedman, M.D.</td>
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<td>Frederick Goldman, M.D.</td>
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<td>Hilary Haines, M.D.</td>
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<td>Lee Hilliard M.D.</td>
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<td>Donna Murdaugh, Ph.D.</td>
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<td>Brandi Pernell, DNP</td>
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<td>Carl Coghill, M.D.</td>
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<td>George El Ferzli, M.D.</td>
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<td>Samuel Gentle, M.D.</td>
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<td>Hannah Hightower, M.D.</td>
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<td>Lindy Winter, M.D.</td>
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ACKNOWLEDGMENTS

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CONTENT
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