

# Fellowship Programs

2020-21



Le Bonheur  
Children's Hospital



THE UNIVERSITY OF  
TENNESSEE  
HEALTH SCIENCE CENTER

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# Welcome

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Le Bonheur Children's Hospital offers top-tier pediatric training programs in a patient- and family-centered environment. Named a "Best Children's Hospital" by *U.S. News & World Report* for 10 consecutive years, our 255-bed state-of-the-art facility has more than 750 medical staff and 45 pediatric specialties. Our academic affiliation with the University of Tennessee Health Science Center (UTHSC) in Memphis, along with our premier academic partner, St. Jude Children's Research Hospital, delivers a transformational education experience for our fellows. We have nationally recognized programs in Cardiology/Cardiac Surgery, Neuroscience and Orthopedics.

Because of our strong commitment to quality improvement, patient safety and transparency in health care, we participate in Children's Hospitals' Solutions for Patient Safety and many other collaboratives and registries. In 2017, we were named a Leapfrog Top Hospital, which is widely regarded as the most competitive designation for quality and patient safety among hospitals. In order to secure our financial future to care for children for many years to come, Le Bonheur recently embarked on an ambitious plan to raise a \$100-million endowment by 2030.

The primary aim of our fellowship programs is to create the next generation of leaders and innovators in pediatric academic medicine. Based at Le Bonheur Children's Hospital, the Children's Foundation Research Institute provides all of the necessary resources to perform basic, translational or clinical research. We help our trainees develop core competencies in academic medicine focusing on education, research, patient care and advocacy. In summary, we are dedicated to fostering your success during fellowship training and beyond.

The following pages highlight many aspects of our fellowship programs and various attributes that make Memphis a great place to live. "Le Bonheur Proud" is our motto and the foundation of our spirit on campus. We truly appreciate your interest in our program. If you have any additional questions, please contact the Fellowship Office at [LBfellow@uthsc.edu](mailto:LBfellow@uthsc.edu) or (901) 287-5429 for further information.

Sincerely,



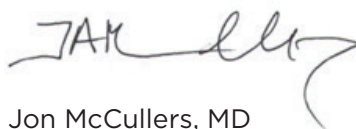
Michael Wiggins, MBA, FACHE  
President, Le Bonheur Children's Hospital



Dennis Black, MD  
Director, Children's Foundation Research Institute  
Professor of Pediatrics



Michael Rebolledo, MD, MBA, MPH  
Director, Pediatric Fellowship Office  
Associate Professor of Pediatrics



Jon McCullers, MD  
Chair, Department of Pediatrics  
Professor of Pediatrics

# Fellowship Office Staff

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## Michael Rebolledo, MD, MBA, MPH

Director, Pediatric Fellowship Office  
Associate Professor of Pediatrics

**Residency:** Baylor College of Medicine, Texas Children's Hospital

**Fellowship:** University of California, Los Angeles



## Jayme McGrail

Administrative Coordinator, Pediatric Fellowship Office  
jmcgrail@uthsc.edu  
901.287.5429



## Joan Chesney, MDCM

After a full and robust career dedicated to caring for children and training the next generation of physicians, Dr. Joan Chesney retired from Le Bonheur Children's Hospital in 2020 where she was founder and director of the Pediatric Fellowship Office. A pioneer in pediatric academic medicine and an expert in pediatric infectious diseases, she worked at St. Jude Children's Research Hospital for 16 years where she developed an infrastructure and offices initially for more than 250 postdoctoral fellows and then for the 50 clinical fellows. She returned to Le Bonheur as associate program director of the Pediatric Residency Program and director of the Pediatric Fellowship Office in 2016.

***Thank you, Dr. Chesney for your tireless service to Le Bonheur.***



# City of Memphis

# Memphis by the Numbers

1819

Memphis founded by John Overton, Andrew Jackson and James Winchester

1911

University of Tennessee Medical College Founded

19



hospitals in Memphis



Cost of living  
**15% below**  
national average

205



inductees in the  
**Rock 'n' Roll Hall of Fame**  
came from within  
a **100-mile radius of Memphis**



most charitable city in  
**AMERICA**  
according to the  
*Chronicle of Philanthropy*

\$707

average one bedroom rent

7,000

acres of park space - one of the  
top urban park systems in the nation

600



bikes available through  
**Explore Bike Share**

400

songs mention  
Memphis - more than any  
other city in the world  
according to  
*Billboard Magazine*

65°

average temperature

1971

**FedEx** founded,  
making Memphis  
the **busiest cargo**  
**airport in the world**

60

miles of  
bike lanes

26

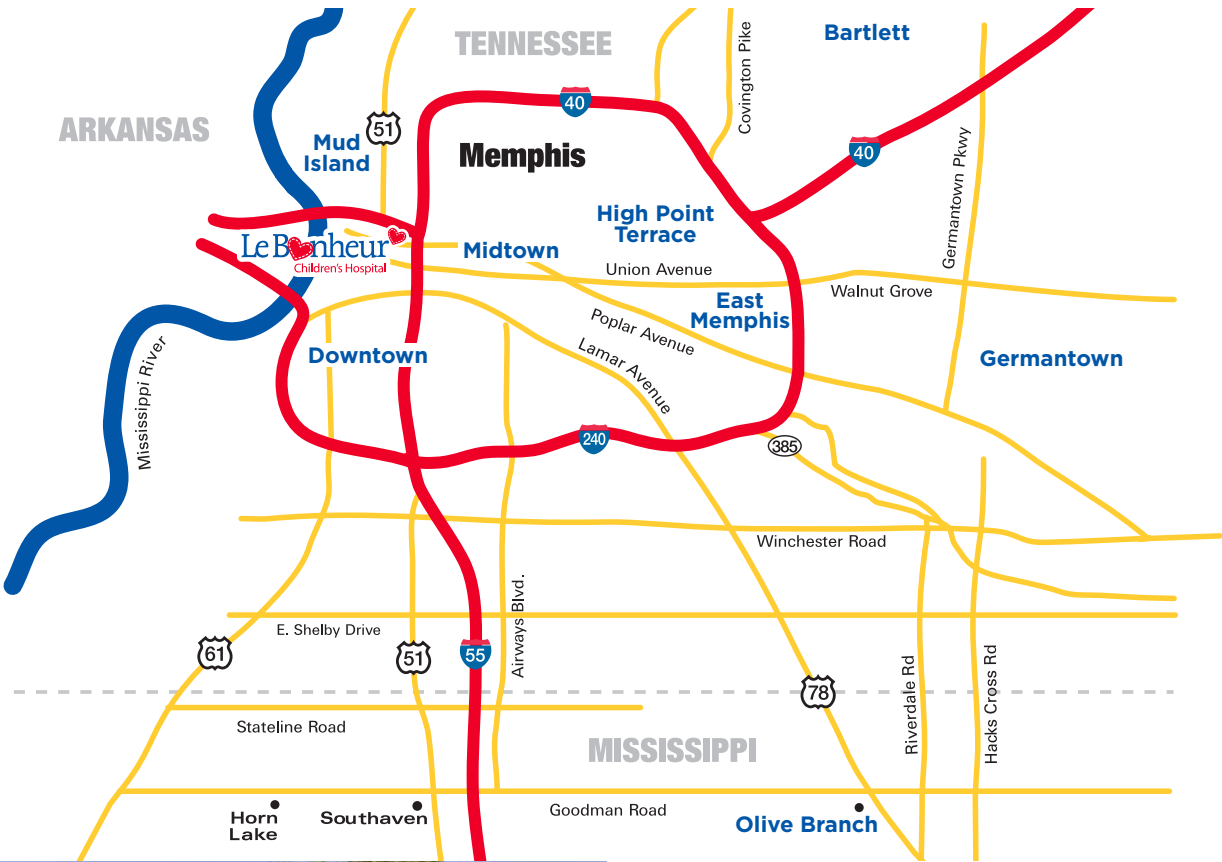
miles of  
Wolf River  
Greenway  
paved trail

100



barbeque  
restaurants

# Places to Live



# Things to Do

## A Saturday in Memphis

A day off from your fellowship is the perfect opportunity to experience all Memphis has to offer. This is what a Saturday might look like in our vibrant city:

- Jump start your day with a garden and lamb omelet from **Brother Juniper's** or sweet potato pancakes from Memphis' oldest café, **Arcade Restaurant**.
- Take in the Mighty Mississippi with a walk across the **Big River Crossing**, enjoy a morning at our award-winning **Memphis Zoo** or peruse the art or daffodil show at the **Dixon Gallery and Gardens**.
- Enjoy a mid-afternoon pick me up at **Muddy's Cupcakes** or a coffee from **French Truck Coffee** in historic **Crosstown Concourse**.
- Your options for a delicious dinner experience are limitless. Enjoy an intimate meal at **Restaurant Iris**, try the world famous **Gus's Fried Chicken** or enjoy classic Memphis barbecue at **Charlie Vergos Rendezvous**.
- Nightlife options are endless in Memphis. Cheer on the **Grizzlies** at **FedExForum**, hit up a concert at **Minglewood Hall**, catch a Broadway show at the **Orpheum** or enjoy drinks and friends at **Loflin Yard** – an acre of green space in the heart of Downtown complete with a full bar and restaurant.
- Close out the night with drinks at **Earnestine and Hazel's** or skip right to the good stuff and enjoy a donut from **Gibson's** – open 24 hours to satisfy all your late-night sugar cravings.



## Good Eats



Central BBQ



Second Line



Beauty Shop



Beauty Shop



Gray Canary

## Music



Minglewood Hall



Memphis Symphony Orchestra



Levitt Shell

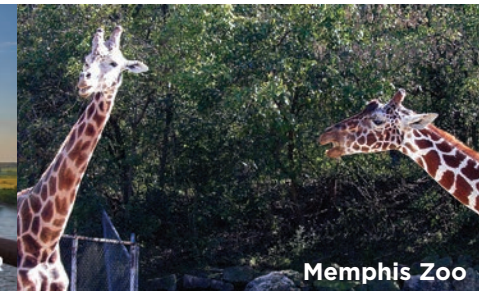
## Outdoor Activities



Shelby Farms



BIG RIVER  
CROSSING



Memphis Zoo

## Sports

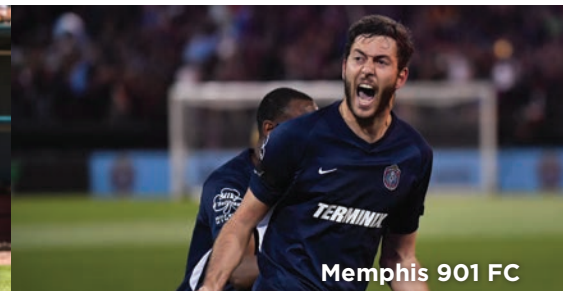


Photo Credit: NBA/Getty Images

Grizzlies



Redbirds



Memphis 901 FC

## More



Beale Street



Lorraine Motel



Pink Palace



Dixon Gallery





# Program Overview

# Fellowship Office

The UTHSC Pediatric Fellowship Office provides a centralized resource for all pediatric fellowship programs at Le Bonheur. We strive to create a community for fellows to network, grow and share common interests. Research Week introduces our fellows to core academic skills in research while our monthly noon conference focuses on personal and professional development. We are the administrative point of contact for the Research Grants Program for clinical fellows helping them stay on track with their individual scholarship oversight committees (SOC). Through the Fellowship Office, we ensure that you have the key resources you need for a successful fellowship and medical career.

## Research Week

In the fall of the first year, all fellows are given a week of protected time to participate in the Fellowship Office-sponsored Research Week. During this time, fellows will hear from different speakers as well as receive assistance from mentors to prepare a research project proposal.

### Examples of Research Week topics are:

- How to formulate a research question
- Research study design and clinical trials
- Biostatistics and epidemiology
- Grants, Institutional Review Board (IRB) and ethics in research
- Databases available at UTHSC including REDCap



## Noon Conferences

The Fellowship Office hosts monthly noon conferences just for fellows covering a variety of topics that supplement individual division conferences.

### Examples of topics covered are:

- Quality improvement and patient safety
- First job considerations and CV prep
- Negotiations, interview skills and contracts
- Career opportunities
- Wellness
- Fellows as educators
- Personal finance
- Leadership
- Managed care and business of medicine
- Risk management
- Epidemiology and biostatistics review
- Presentation skills
- Health care policy and advocacy
- Introduction to E&M coding
- International health
- Promotion and tenure
- Social media and medicine
- Advice from senior mentors
- Professionalism
- Telehealth

## Grants

The Research Grants Program for clinical fellows promotes meritorious clinical and basic investigation carried out by pediatric fellows at Le Bonheur. The Fellowship Office provides guidance and management of applications for available funding. For more details and to view the full guidelines and application, email [LBfellow@uthsc.edu](mailto:LBfellow@uthsc.edu).

## ACGME-Approved Pediatric Fellowship Programs

- Allergy and Immunology
- Cardiology
- Child and Adolescent Psychiatry\*
- Critical Care
- Emergency Medicine
- Endocrinology
- Gastroenterology
- Hematology-Oncology
- Hospice and Palliative Care\*
- Hospital Medicine\*\*
- Infectious Disease
- Neonatal-Perinatal Medicine
- Nephrology
- Neurology
- Obesity Medicine\*
- Pulmonology
- Radiology
- Sleep Medicine\*
- Surgery

## Combined ACGME-Approved

- Infectious Disease – Critical Care
- Hematology and Oncology – Critical Care
- Surgery – Critical Care

\*Accredited through other departments

\*\*Currently in accreditation process



## 2020-2021 Trainee Compensation Rates for ACGME-Accredited Programs

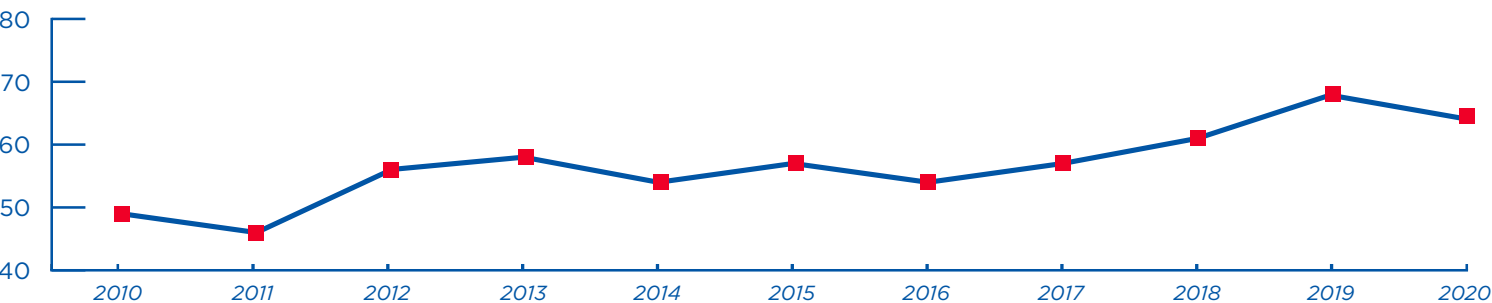
PGY Level	Base Annual	With Disability Life Benefits
PGY 4	\$60,120	\$60,780
PGY 5	\$62,400	\$63,060
PGY 6	\$64,800	\$65,460
PGY 7	\$67,200	\$67,860

In addition to the base salary, fellows participating in the disability and group life insurance programs provided through GME currently receive an additional \$660 per year for disability and life insurance benefits as shown above in column three.

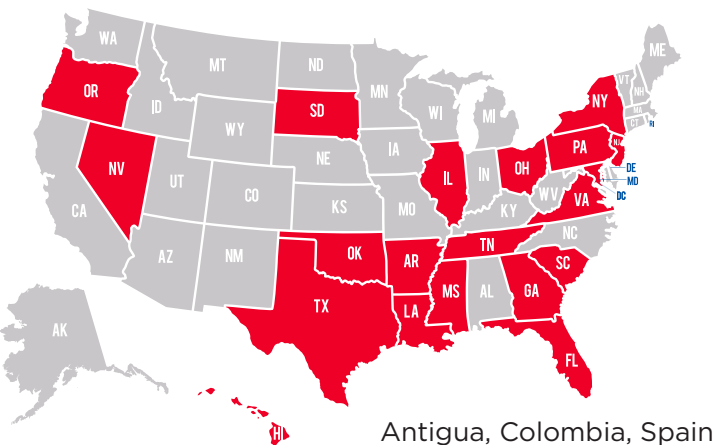
Full list of GME procedures and policies can be found at  
<https://uthsc.edu/graduate-medical-education/policies-and-procedures/index.php>

# Fellowship Office

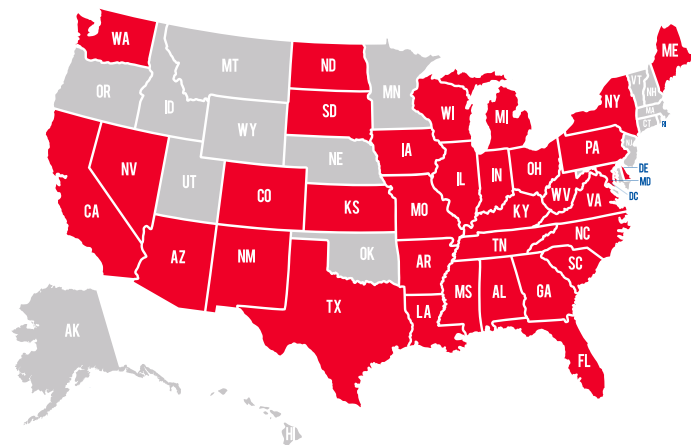
Total UTHSC Pediatric Fellows (2010-2020)



Where UTHSC Pediatric Fellows completed residencies (2010-2020)

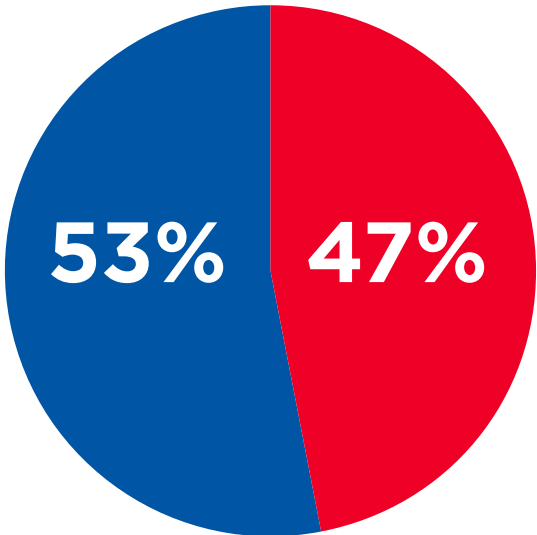


Where UTHSC Pediatric Fellows are hired (2010-2019)



UTHSC Pediatric Fellows' Careers (2010-2019)

Private practice  
or other



Academics or  
additional training

Summary data above does not include hematology and oncology, sleep medicine, obesity or hospital medicine and is based on fellow exit interviews.

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## COVID-19 and Graduate Medical Education

Like every academic health center in the country, our campus has been impacted by and implemented changes in response to the COVID-19 pandemic. Adjustments to policies have been made to provide a safe environment for patients, visitors, providers and staff.

We have also adapted to minimize the impact of the pandemic on graduate medical education. Curricula have moved to video conference to ensure that all instruction is maintained. All precautions are taken for fellows as they work inside the hospital.

UTHSC has been a leader in understanding the impact of COVID-19 not only in the hospital but in our community and region. Many of our faculty have worked with city leaders to develop strategies to mitigate the spread of the virus in the Memphis area. We are actively involved in research around the virus, including the launch of a biorepository of serum samples for COVID-19 antibody research.

For up to date information on how COVID-19 is impacting our hospital and community visit [lebonheur.org/coronavirus](https://lebonheur.org/coronavirus) and [uthsc.edu/coronavirus](https://uthsc.edu/coronavirus).



## What our Fellows say about our programs:

"I chose this fellowship for the **unique opportunity to serve at both Le Bonheur Children's Hospital and St. Jude Children's Research Hospital**. I was excited to find a program where I would be challenged to care for a wide variety of patients including those with BPD, cystic fibrosis and sickle cell disease, as well as those with cancer receiving chemotherapy or bone marrow transplant. It makes for a great day at work when you are excited to work for the patients you serve and the physicians, medical team and institution you work with!"

*Natalie Francis, MD  
Pulmonology*

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"From early in the selection process, Le Bonheur stood out far from the rest with welcoming faculty as well as an encouraging and compassionate program director. My time spent as a fellow has only further supported that initial impression with diverse clinical exposure, extensive academic and research support and **attending faculty who have grown to become close colleagues**. Given the chance, I would make the same decision again in choosing Le Bonheur for my critical care fellowship training."

*Nicholas Kalbach, MD  
Critical Care*

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"I had a great year of sleep training at UTHSC in Memphis. **The program (and city!) is growing year by year** but still has a comfortable atmosphere with a multidisciplinary group of attending physicians from various backgrounds."

*David Williams, MD  
Sleep Medicine*

# Fellowship Office

## Center for Healthcare Improvement and Patient Simulation (CHIPS)

Fellows have access to our world-class UTHSC CHIPS facility for simulation and training opportunities. The Simulation Program is committed to fostering education, research and professional development with a focus on enhanced clinical skills and patient safety through the use of simulation.

### The facility:

- 45,000 square feet
- 3 floors
- \$6 million in simulation equipment
- \$4.5 million in audio-visual equipment and technology
- Low-fidelity and high-fidelity manikins (crying, sweating, breathing and birthing simulation capabilities)

### Simulation settings:

- 24 outpatient clinical rooms
- 12 individual patient-care areas
- 4 dentistry suites
- 1 operating room
- 1 labor and delivery suite
- 1 bariatric and rehabilitation suite
- 1,200 square-foot simulated community pharmacy
- 1 functional home environment

### Other features:

- 6 control rooms (13 control stations)
- 10 debriefing rooms
- 5 multipurpose classrooms
- 14 full-time employees
- 100 standardized patients
- 6 colleges training together (Dentistry, Graduate Health Sciences, Health Professions, Medicine, Nursing and Pharmacy)



A photograph of a female doctor with long brown hair, wearing a white lab coat and a stethoscope, sitting on a white examination table. She is looking towards a young boy with glasses who is also sitting on the table. The boy is holding a small object in his hands. On the table between them is a small white bowl. The table is covered with a large sheet of paper that has various diagrams and text, possibly a medical chart or educational material. In the background, there is a framed picture of a bird's nest with eggs and a small bird. The entire image has a blue tint.

# Fellowship Programs

# Allergy/Immunology

Established in 1958, the allergy/immunology fellowship program strives to provide a well-rounded educational experience to pursue a career in allergy and clinical immunology. This program offers supervised in-depth training in clinical allergy, asthma and immunologic diseases with cross-training in adult medicine at least 25 percent of the time. Structured research projects under direct supervision by faculty members allow trainees to develop skills important to seeking an academic position. Our graduates enjoy successful careers in private practice, academic institutions and at the Food and Drug Administration.

## Program Staff



### Program Director

**Jay Lieberman, MD**

Professor of Allergy and Immunology

**Residency:** Washington University – Barnes-Jewish Hospital

**Fellowship:** Mount Sinai School of Medicine

### Current Fellows

Venusa Phomakay, MD

Amy Ragsdale, DO

Shaunah Ritter, DO



### Associate Program Director

**Christie Michael, MD**

Associate Professor of Allergy and Immunology

**Residency and Fellowship:** University of Tennessee Health Science Center, Le Bonheur Children's Hospital



### Fellowship Coordinator

**Kelli Moses**

kward29@uthsc.edu

901.287.5269

## Fellow Awards

- Moshe Greenbaum – ACAAI Fellow in Training Travel Scholarship
- Annette Carlise – ACAAI Fellow in Training Travel Scholarship

## Research Interests

- Asthma outcomes with special interest in inner-city asthma and asthma in the underserved
- CHAMP (Changing High-Risk Asthma in Memphis through Partnership) community outreach
- Food allergy focusing and clinical trials in IgE-mediated food allergies and eosinophilic esophagitis
- Allergen immunotherapy and clinical outcomes
- Anaphylaxis and epinephrine utilization

# Cardiology

The UTHSC pediatric cardiology fellowship training program is a medium-sized but growing program expanding to eight fellows this year. It is based at Le Bonheur Children's Hospital, the only subspecialty children's hospital within a 100-mile radius. Le Bonheur's cardiothoracic surgical program is one of only 12 programs to receive the highest possible three-star rating from The Society of Thoracic Surgeons (STS). The cardiology program also provides all pediatric cardiology services for St. Jude Children's Research Hospital, a premier research center for pediatric cancer and hematological diseases, and Regional One Health where approximately 4,500 babies are delivered each year. Growth of the cardiology division from seven faculty in 2006 to the current 32 faculty has supported a focus on interventional cardiology, pediatric cardiomyopathy, cardio-oncology and adult congenital heart disease. The heart transplant program, started in 2016, established itself as a high-volume transplant center in its first year.

## Program Staff



### Program Director

**Glenn Wetzel, MD, PhD**

Professor of Pediatrics, Cardiology

**Residency and Fellowship:** University of California, Los Angeles



### Associate Program Director

**Thomas M. Yohannan, MD, FACC, FAAP**

Assistant Professor of Pediatrics, Cardiology

**Residency:** East Tennessee State University, Niswonger Children's Hospital

**Fellowship:** University of Tennessee Health Science Center, Le Bonheur Children's Hospital



### Assistant Program Director

**Nithya Swaminathan, MD**

Assistant Professor of Pediatrics, Cardiology

**Residency:** Maria Fareri Children's Hospital, Westchester Medical Center, NY

**Fellowship:** Morgan Stanley Children's Hospital, Columbia University Medical Center, NY



### Current Fellows

Antonio Belda, MD

Abhishek Chakraborty, MD

James Chang, MD

Evan Harvey, MD

Karan Karki, MD

Ashley Kiene, MD

Christopher McDaniel, MD

Laura Radel, MD

### Fellowship Coordinator

**Amie Ray**

Aray40@uthsc.edu  
901.287.6034

## Research Interests

- Multiple projects assessing the outcomes in children, mitral valve function, electrophysiological aspects, genetic and mechanistic basis of left ventricular non compaction cardiomyopathy
- Genetic, mechanistic and molecular basis of arrhythmogenic cardiomyopathies
- Renal function monitoring in heart transplant patients: Is cystatin C a better biomarker than creatinine?
- The role of viral genome in the heart of transplant patients and rejection and coronary vasculopathy
- Discovery of common biomarkers in cardiac and skeletal myopathy

## Current Projects

- Patent Ductus Arteriosus ligation syndrome: Surgical ligation vs transcatheter closure of PDA
- Neurodevelopmental outcomes after transcatheter closure of PDA, three year follow up
- Creation of a National Database Registry for transcatheter PDA closure

# Critical Care Medicine

The mission of the Pediatric Critical Care Medicine (PCCM) Fellowship program at UTHSC is to train clinician scientists. Le Bonheur Children's Hospital provides a rich learning environment for pediatric critical care fellows with multi-ICU locations including a PICU (20 beds), CVICU (10 beds), Neuro ICU (6 beds) and Intermediate Care Unit (15 beds) as well as a rotation through the onco-critical care unit (8 beds) at St. Jude Children's Research Hospital. The Fellowship Program emphasizes extracorporeal therapies and supports a Level 1 Trauma Center. The PCCM fellowship training program follows an ABP-oriented curriculum with protected educational time and access to mentored research at UTHSC or St. Jude. Our fellows participate in simulation boot camps, ultrasound training, ECMO course (didactic and simulation-based training) and communication/debriefing training. Combined fellowship training is available with pediatric cardiology, hematology-oncology and infectious diseases.

## Program Staff



### Program Director

**Samir Shah, MD, MBA, FRCPC**

Professor, Pediatrics & Pediatric Critical Care, UTHSC

**Residency:** Brooklyn Hospital Center, New York University, NY

**Fellowships:** Pediatric Critical Care: Harbor-UCLA Medical Center, UCLA, CA; Cardiac Critical Care: Children's Hospital Los Angeles, USC, CA



### Associate Program Director

**Shantaveer Gangu, MD**

Assistant Professor, Pediatrics & Pediatric Critical Care, UTHSC

**Residency:** Brookdale University Hospital, NY

**Fellowship:** Loma Linda University Children's Hospital, CA



### Assistant Program Director

**Saad Ghafoor, MD**

Pediatric Critical Care Physician, St. Jude Children's Research Hospital

**Residency:** Creighton University, Omaha, Nebraska

**Fellowship:** Washington University, MO



### Fellowship Research Director

**A. Nico West, MD, PhD**

Assistant Professor, Department of Pediatrics

**Postdoctoral Fellowship:** Department of Physiology, University of Tennessee Health Science Center



### Fellowship Coordinator

**Kelli Moses**

kward29@uthsc.edu  
901.287.5269

### Current Fellows

Kassi Ackerman, MD

Cihangir Buyukgoz, MD

Ashlee Christmas, DO

Kimberly Fan, MD

Mina Fanous, MD

Hunter Hamilton, MD

Noel Joseph, MD

Alyssa Smith, MD

Kathleen Zani, MD

## Fellow Awards

- Outstanding Abstracts – Clinical Fellow, UTHSC Pediatric Research Day (2018, 2019)

## Research Interests

- Severe sepsis and multiple organ dysfunction syndrome
- Artificial Intelligence in critical illness
- Neurocritical care, including traumatic brain injury treatment, outcomes and neuroendocrinopathies
- Global onco-critical care research (St. Jude Children's Research Hospital)
- Social disparities in critical illness

# Emergency Medicine

The pediatric emergency medicine fellowship offers superior training at a Level I, free-standing pediatric hospital with an annual census of approximately 95,000 patients. Our fellows care for a variety of high acuity medical illnesses and traumatic injuries. Mentors are provided early in fellowship – and our supportive faculty are involved in quality improvement and research activities. A broad curriculum provides competency in PEM using bimonthly didactic sessions with lectures, interactive learning sessions and monthly simulation training. Fellows work alongside a PEM attending but still have plenty of opportunities to develop autonomy, supervise, and educate resident.

## Program Staff



### Program Director

**Mindy Longjohn, MD, MPH**

Assistant Professor of Pediatrics

**Residency and Fellowship:** University of Tennessee Health Science Center



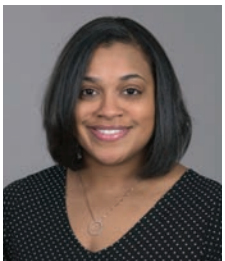
### Associate Program Director

**Rick Hanna, MD**

Associate Professor of Pediatrics

**Residency:** University of Tennessee Health Science Center

**Fellowship:** Cardinal Glennon - St. Louis University



### Fellowship & PALS Instructor Coordinator

**April Smith, MSHSA**

asmit359@uthsc.edu

901.287.5265

### Current Fellows

James Ashton Fisher, MD

Cailin Frank, DO

Lindsay Kokoska, DO

Baillie Lott, MD

Stephen Rohl, DO

Megan Sampson, DO

Ben Silva, MD, MPH

Brittany Wagner, DO

Nicholas Watkins, MD

## Fellow Awards

- Tucker Anderson - 2018 PEMPix Judge's Award at AAP, 2017 EmergiQuiz 2017 selection at AAP
- Robert Stewart - 2018 EmergiQuiz Honorable Mention at AAP, PEMPix presentation at AAP 2018
- Sri Aravapalli - 2016 AAP PEMPix presentation, 2015 AAP PEMPix presentation

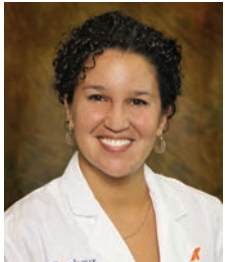
## Research Interests

- Use of high dose intranasal fentanyl in the emergency department (ED)
- Early administration of IV magnesium to severe asthma exacerbation decreases the hospital admission rate
- Impact of terbutaline as adjuvant therapy in the treatment of severe acute asthma exacerbation in the pediatric emergency department
- Financial impact of NPO times for sedation in the ED
- FIRE: firearm injury research
- Bedside ultrasound for confirmation of gastrostomy tube placement
- HIV testing in the ED
- Quality improvement of rapid strep testing in the pediatric ED
- Time to insulin in DKA

# Endocrinology

The endocrinology fellowship program offers a broad clinical experience in the fields of diabetes and endocrinology. Le Bonheur offers experience in multi-disciplinary programs for type 1 and type 2 diabetes, a diabetes transition (to adulthood) program, thyroid nodules, syndromic obesity and bone disorder. Collaboration with St. Jude Children's Research Hospital provides fellows with experience in managing acute endocrine complications and longitudinal surveillance in children with brain tumors and other pediatric hematologic and oncologic disorders. By working in multidisciplinary subspecialty teams across university and hospital systems, research opportunities in clinical, translational and basic science are available. The program strongly encourages attendance and presentations at local and national conferences.

## Program Staff



### Program Director

**Alicia Diaz-Thomas, MD, MPH**

Associate Professor of Pediatrics, Endocrinology

**Residency:** Tulane Medical Center, Charity Hospital of New Orleans

**Fellowship:** University of South Florida, All Children's and Tampa General Hospital

### Current Fellows

Leah Akinseye, MD

Alyssa Dye, MD

Daniel Mak, MD



### Associate Program Director

**Amit Lahoti, MD**

Associate Professor of Pediatrics, Endocrinology

**Residency:** Children's Hospital of Michigan, Wayne State University

**Fellowship:** Cohen Children's Medical Center



### Fellowship Coordinator

**Kelli Moses**

kward29@uthsc.edu  
901.287.5269

## Fellow Awards

- Alyssa Dye – Outstanding Abstract Award – Endo 2020

## Research Interests

- Improving health outcomes for patients with type 1 diabetes, including reducing episodes of diabetic ketoacidosis (DKA), improving management of DKA, improving transition to insulin pump therapy
- Improving care for pediatric type 2 diabetes and expanding treatment options
- Developing best practices for care of children with disorders of sexual development
- Care and management of patients with syndromic pediatric obesity
- Creating systems of care for patients with pediatric metabolic bone diseases
- Analysis of patterns of host viral response genes in pancreatic islets of type 1 diabetes
- Evaluating glucose metabolism and insulin sensitivity in cardiomyopathy
- Emerging trends in severe vitamin D deficiency
- Exploring the roles of KDM6A in the epigenetic regulation of renal Klotho in mice and its impact on the metabolism of endocrine hormones in the murine kidney

# Gastroenterology

The gastroenterology fellowship provides exposure to a broad spectrum of disorders in children as a result of Le Bonheur's multistate catchment area. Fellows provide consultations throughout Le Bonheur and St. Jude Children's Research Hospital, providing endoscopies and other procedures as indicated. In addition to general clinics, fellows participate in the aerodigestive, eosinophilic, esophagitis, liver/liver transplant, inflammatory bowel and intestinal rehabilitation clinics, which bring together multidisciplinary specialists to manage children with complex disorders. Our goal is to help fellows develop the skills that complement their interests and put them on the path to success.

## Program Staff



### Program Director

#### Mark Corkins, MD

Professor of Pediatrics, Gastroenterology  
Division Chief, Gastroenterology

**Residency:** University of Iowa Hospital and Clinics

**Fellowship:** University of Nebraska/Creighton University Joint Fellowship Program

### Current Fellows

Meredith Harvie, MD

Dieudonne Nonga, MD

Maggie Vickers, MD



### Associate Program Director

#### Cary Cavender, MD

Associate Professor of Pediatrics, Gastroenterology

**Residency:** Children's Hospital of Eastern North Carolina, East Carolina University

**Fellowship:** University of Texas Southwestern Medical Center, Children's Medical Center of Dallas



### Assistant Program Director

#### Anushree Algotar, MD

Assistant Professor of Pediatrics, Gastroenterology

**Residency:** State University of New York, Health Science Center at Brooklyn

**Fellowship:** Nationwide Children's Hospital



### Fellowship Coordinator

#### Jeannine Ricker

[jricker4@uthsc.edu](mailto:jricker4@uthsc.edu)

901.287.5954

## Research Interests

- Bench research in liver cells and animal models
- Clinical studies in short bowel syndrome, eosinophilic esophagitis and inflammatory bowel diseases

# Hematology-Oncology

UTHSC's pediatric hematology-oncology fellowship program is located primarily at St. Jude Children's Research Hospital. The program provides fellows with a thorough understanding of the pathophysiology of pediatric malignancies and hematologic disorders. Fellows obtain exceptional experience by working in a clinical environment that sees nearly 600 new oncology patients and treats more than 900 sickle cell patients a year, as well as children with other non-malignant hematologic conditions.

Children of all ages with problematic hematologic findings and potential malignancies are seen and followed at Le Bonheur by the hematology-oncology fellows and faculty. Fellows will embark on an individualized clinical or basic/translational research track and project of their choosing. This three-year, ACGME-accredited fellowship trains the best future leaders in academic pediatric hematology-oncology.

For more information visit: [www.stjude.org/hemonc-fellowship](http://www.stjude.org/hemonc-fellowship)

## Program Staff



### Program Director

**Justin Baker, MD**

Member, St. Jude Faculty

**Residency:** University of Texas Health Science Center at San Antonio

**Fellowship:** University of Tennessee Health Science Center, St. Jude Children's Research Hospital



### Associate Program Director

**Rachel Brennan, MD**

Associate Member, St. Jude Faculty

**Residency:** John Hopkins Children's Center

**Fellowship:** University of Tennessee Health Science Center, St. Jude Children's Research Hospital



### Associate Program Director

**Sara Federico, MD**

Associate Member, St. Jude Faculty

**Residency:** Stanford School of Medicine

**Fellowship:** University of Tennessee Health Science Center, St. Jude Children's Research Hospital



### Associate Program Director

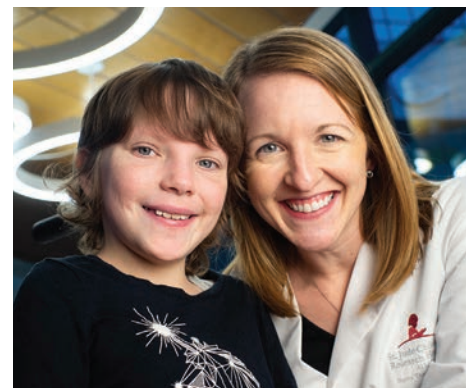
**Cliff Takemoto, MD**

Member, St. Jude Faculty

**Residency:** The Children's Hospital of Los Angeles, Los Angeles

**Fellowship:** Boston Children's Hospital/  
Dana-Farber Cancer Institute, Boston

**Research Fellowship:** Hematology/  
Oncology, Department of Virology at  
National Children's Medical Research  
Center, Tokyo, Japan



# Hospice and Palliative Medicine

The hospice and palliative medicine fellowship is an ACGME-accredited, fully-integrated adult and pediatric program that trains five fellows annually (three pediatric and two adult). The fellows gain broad and diverse training at seven institutions including pediatric and adult inpatient, VA Medical Center, hospice residence, home hospice and ambulatory settings. Fellows gain knowledge and experience they need to deliver high quality care along the age and disease continuum. This includes intensive symptom management, intentional communication skills in discussion of goals of care, advance care planning, redirection of care and transition from a focus of cure to comfort. Our mission is to train our fellows to provide this care with a compassionate patient- and family-centered approach while maintaining appropriate balance in self-care, self-reflection and professional boundaries. Fellows are also provided opportunities for training in health care advocacy and policy, professionally provided debrief sessions by someone unaffiliated with the fellowship program and ethics training.

## Program Staff



### Program Director

**Melody Cunningham, MD, FAAHPM**

Professor of Pediatrics

Director, Threads of Care, Le Bonheur Children's Hospital

**Residency:** University of Massachusetts Medical Center

**Fellowship:** Harvard Medical School



### Pediatric Associate Program Director

**Justin Baker, MD, FAAP, FAAHPM**

Associate Professor of Pediatrics

**Residency:** University of Texas Health

Science Center at San Antonio

**Fellowship:** University of Tennessee Health

Science Center, St. Jude Children's Research Hospital



### Adult Associate Program Director

**Clay Jackson, MD, MDipTh**

Palliative Care Physician, West Cancer Center

Medical Director, Comprehensive Medical Care

**Residency:** University of Tennessee Health

Science Center, Family Medicine



### Current Fellows

#### Pediatric Track:

Taylor Aglio, MD

Rachel Calhoun, MD

Sarah Thompson, MD

#### Adult Track:

Shan Khan, MD

Ashley Wright, MD

### Fellowship Coordinator

**Haley Smith**

[hgeabhar@uthsc.edu](mailto:hgeabhar@uthsc.edu)

901.287.5584

### Senior Associate Program Director

**Amanda Linz, MD, MS, FAAP**

### Associate Program Director of Research

**Erica Kaye, MD, MPH**

### Research Interests

- Bereavement
- Pediatric palliative oncology
- Communication and medical decision making of adolescent and young adults
- Art and humanities and impact on provision of palliative care
- Impact of integrative medicine in patient care
- Communication in difficult decisions

# Hospital Medicine

The hospital medicine fellowship program is a two-year fellowship. July 2019 marked the first year of our fellowship program, and we are currently applying for ACGME accreditation. The goal of our program is to train fellows to be expert clinicians in the care of hospitalized children and effective leaders in education, research and quality improvement. During their clinical experiences, fellows manage diverse patient presentations with clinical curriculum focusing on the medically complex patient. Fellows will enhance their teaching skills with medical students, pediatric residents and med-peds residents. In addition to clinical experiences at Le Bonheur Children's Hospital, fellows will have clinical rotations at Regional One Health for NICU and newborn care and at St Jude Children's Research Hospital. The clinical curriculum also includes rotations in palliative care and the intermediate care unit to gain experience caring for medically complex and technology-dependent patients. All of our fellows will complete a mentored research project in their area of interest to contribute to the field of pediatric hospital medicine.

## Program Staff



### Program Director

**Stephen Pishko, MD**

Assistant Professor of Pediatrics

**Residency:** University of Tennessee Health Science Center

### Current Fellows

Caleb Hancock, MD

Mary Katherine Hood, MD



### Associate Program Director

**Jeffrey Winer, MD, MA, MSHS, FAAP**

Assistant Professor of Pediatrics

**Residency:** Massachusetts General Hospital

**Fellowship:** Children's National Health System, Washington DC



### Fellowship Coordinator

**Haley Smith**

hgeabhar@uthsc.edu

901.287.5584

## Research Interests

- Clinical Research: Predicting Clinical Escalation in Croup (Current Fellow Project); Bronchopulmonary Dysplasia Exacerbation Treatment: A randomized-controlled trial; Antibiotic Therapy in Neck Infections
- Health Services Research: Burden of Serious Bacterial Infections in Young Febrile Infants; Measuring Variation in Care Between Hospitals
- Quality Improvement: Reducing Admissions and CT Scans in Simple Febrile Seizures; Standardization of High-Flow Nasal Cannula Initiation and Weaning in Bronchiolitis; Improving the Diagnosis and Treatment of Dysphagia
- Medical Education: Illness Scripts as Tool for Clinical Reasoning; Night Shift Curriculum; Interactive Teaching to Promote Medical Student Core Pediatric Knowledge
- Advocacy: Mid-South Medical-Legal Partnership; Resident Experience with Adverse Childhood Events and Social Determinants of Health

# Infectious Diseases

The pediatric infectious diseases fellowship training program is jointly administered by the Department of Infectious Diseases at St. Jude Children's Research Hospital and the Division of Pediatric Infectious Diseases at Le Bonheur Children's Hospital. The mission of the program is to prepare pediatricians for a successful career in academic medicine with an emphasis on training to make scholarly contributions to the field as independent investigators. We are one of the largest training programs in North America and offer exceptional opportunities for training in both clinical medicine and biomedical research. Care of the immunocompromised host, antimicrobial stewardship and research are top priorities for education in pediatric infectious diseases. In addition to robust clinical programs targeting traditional pediatric infectious diseases, we are national leaders in the care of immunocompromised patients and education related to this population.

Fellows rotate at Le Bonheur and St. Jude and provide consultative services to the Newborn Center at Regional One Health. Over the course of the program, fellows spend a minimum of six weeks in HIV medicine and four weeks on the transplant service. Training is individualized and may include electives in antimicrobial stewardship, infection prevention, global health and other areas.

For more information visit: [www.stjude.org/id-fellowship](http://www.stjude.org/id-fellowship)

## Program Staff



### Program Director

**Elisabeth Adderson, MD**

Associate Member, St. Jude Faculty

**Residency:** Dalhousie University, Halifax, Canada

**Fellowship:** Washington University School of Medicine



### Le Bonheur Site Director

**Bindiya Bagga, MD**

Associate Professor of Pediatrics, Infectious Diseases

**Residency:** Louisiana State University Health Sciences Center

**Fellowship:** University of Tennessee Health Science Center, St. Jude Children's Research Hospital

### Current Fellows

#### ACGME Fellows:

Amanda Green, MD

Melissa Shenep, MD

#### Non-ACGME Fellows:

Ghussai Abd El Gadir, MBBS

Nour Hasan, MD

Patricia Pichilingue-Reto, MD



### Fellowship Coordinator

**Trachia Wilson**

[trachia.wilson@stjude.org](mailto:trachia.wilson@stjude.org)  
901.595.5640

## Fellow Awards

- Patrick Gavigan - LBCH Fellow Research Grant - 2017
- Ruba Barbar - ID Week Trainee Award - 2019
- Amanda Green - St. Jude Children's Research Hospital - PIDS Fellowship Award in Basic & Translational Science - 2019
- Amanda Green - LBCH Fellow Research Grant - 2018

## Research Interests

- Prosthetic joint infections
- Chronic viral infections and viral co-infections
- Herpesvirus family immunomodulation
- Parasitic infections
- Clinical features of *Clostridioides difficile* infections
- Antibiotic stewardship in the inpatient setting
- Pathogenesis of respiratory viral infections

# Neonatal-Perinatal Medicine

Training in the neonatal-perinatal fellowship program takes place at two units. The primary location is the Sheldon B. Korones Newborn Center at Regional One Health, a 60-bed level III NICU with more than 1,300 admissions and 4,500 deliveries a year. The second facility is a 60-bed NICU at Le Bonheur. This level IV NICU receives transports from surrounding areas with more than 400 admissions a year and is comprised of surgical and cardiac neonates along with infants who need multispecialty care. Le Bonheur Neonatology is ranked as a top program by *U.S. News & World Report* and has a large patient census and wide spectrum in infant pathology that enhances the fellowship training. Fellows will also have dedicated learning opportunities such as ECMO training, ethics curriculum and research workshops.

## Program Staff



### Program Director

#### Ajay Talati, MD

Sheldon B. Korones Endowed Professor and Chief, Neonatology Professor, Pediatrics and OB/GYN Program Director, Neonatal-Perinatal Medicine  
**Residency:** Gujarat University and Henry Ford Hospital  
**Fellowship:** University of Tennessee Health Science Center

### Current Fellows

Omoloro Adeleke, MBBS  
Kacie Dillon, MD  
Elmufti Hussein, MBBS  
Bhuvaneshwari Jagadesan, MD  
Paul Molloy, DO  
Rishika Sakaria, MD



### Associate Program Director

#### Mohamad T. Elbiad, MD, MS

Associate Professor of Pediatrics, Neonatology  
**Residency:** University of Tennessee Health Science Center  
**Fellowship:** State University of New York at Buffalo



### Associate Program Director

#### Dr. Sandeep Chilakala, MD

Associate Professor of Pediatrics, Neonatology  
**Residency:** East Tennessee State University  
**Fellowship:** University of Tennessee Health Science Center



### Fellowship Coordinator

April Smith, MSHSA  
asmit359@uthsc.edu  
901.287.5265

## Fellow Awards

- Jennifer Davidson - Best Clinical Abstract Award, Society for Pediatric Research (SSPR) junior section, 2018
- Kent Willis - Marshall Klaus grant, American Academy of Pediatrics, 2018; Clinical Young Investigator Award, SSPR, 2019
- Logan Key - Best Poster by a Trainee, Annual Tennessee Initiative for Perinatal Quality Care meeting, Nashville, 2019
- Kent Willis - Fellow's Basic Science Research Award, Pediatric Academic Societies Meeting, 2019
- Rebecca Pollack - Trainee Travel Award, SSPR, 2019

## Research Interests

- Neonatal Abstinence Syndrome
- Microbiome in gut and lung of premature infant and association with different morbidities
- Cerebral circulation in the premature brain
- Nutrition in the premature infant
- Morbidities from blood transfusions
- Quality improvement initiatives to improve outcomes in the premature infant including delayed cord clamping and increased expressed breast milk utilization

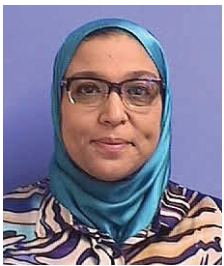
# Nephrology

The nephrology fellowship program at Le Bonheur Children's Hospital, UTHSC, offers a comprehensive curriculum in all aspects of clinical pediatric nephrology, including hypertension, chronic kidney disease, diabetic nephropathy, congenital anomalies of kidney and urinary tract (CAKUT), hereditary kidney diseases, acute kidney injury, glomerulonephritis, tubular diseases, kidney transplant, acute/chronic hemodialysis, peritoneal dialysis and continuous renal replacement therapy. Our inpatient service covers both Le Bonheur and St. Jude Children's Research Hospital, which offers a unique experience in the onco-nephrology field. The pediatric nephrology program at Le Bonheur continues to be nationally ranked by *U.S. News & World Report*.

Our unique subspecialized clinics include the Tuberous Sclerosis Center of Excellence, newborn-renal clinic, sickle cell nephropathy clinic and hereditary kidney diseases clinic. All together the program constitutes a huge clinical exposure as well as focused clinical research opportunities for our fellows.

Our program offers many opportunities for research. The program is an active member of the Midwest Pediatric Nephrology Consortium (MWPNC), recipient of National Institutes of Health (NIH) funding for studies involving glomerular disease, tuberous sclerosis and innate immunity and a participating center in the NAPRACTS study. In addition, collaboration with the University of Memphis and St. Jude Research Hospital expands our fellows' research pathways.

## Program Staff



### Program Director

**Arwa Nada, MD, MSc**

Assistant Professor of Pediatrics, Nephrology

**Residency:** Alexandria University Children's Hospital,  
Nassau University Medical Center

**Fellowship:** Nationwide Children's Hospital,  
Ohio State University

### Current Fellows

Xochitl Castillo, MD

Amal Ezzaiyani, MD

Miranda Floen, MD, PhD



### Fellowship Coordinator

**Amie Ray**

Aray40@uthsc.edu

901.287.6034

## Research Interests

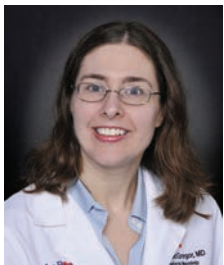
- Basic and clinical research to understand the fundamental underpinnings of tuberous sclerosis complex (TSC) renal disease
- Treatments to preserve renal function for vulnerable TSC population
- Neonatal nephrology
- Pathophysiology of sickle cell nephropathy
- APOL1 risk alleles and influence on the development kidney disease in patients with sickle cell anemia
- Application of engineering principles to nephrology with ongoing research in sensors
- Onco-nephrology research focusing on kidney involvement in patients with stem cell transplant and different types of cancers
- Hypertension
- IgA nephropathy and Henoch-Schönlein purpura (HSP)
- Multiple ongoing QI projects focusing on early detection of AKI; improving utilizations of ABPM for kidney transplant and CKD patients

# Neurology

The pediatric neurology residency program is combined with the pediatric residency program at UTHSC. The residency training program follows the approved ACGME curriculum starting with two years of training in general pediatrics. After completion of the residency program, our pediatric neurology fellows complete one year of training in clinical pediatric neurology and one year of additional training including rotations in neurosurgery, psychiatry, outpatient pediatric neurology, as well as other electives in the specific interests of each resident. Unlike many other programs, the year of training in adult neurology is divided among all three neurology fellowship years.

As integral members of the Le Bonheur Neuroscience Institute, our faculty have expertise in a wide variety of neurologic disorders including intractable epilepsy/epilepsy surgery, neuromuscular disease, movement disorders, demyelinating disease, stroke and metabolic disorders. We also have a large, active ketogenic diet program for intractable epilepsy.

## Program Staff



### Program Director

**Amy McGregor, MD**

Associate Professor of Pediatrics and Neurology

**Residency:** University of Texas, Houston



### Associate Program Director

**Stephen Fulton, MD**

Associate Professor of Pediatrics and Neurology

**Residency:** University of Tennessee Health Science Center



### Fellowship Coordinator

**Denise Norman**

denise.norman@lebonheur.org

901.287.5208

### Current Residents/Fellows

Brooke Asemota, MD

Connor Gatewood, MD

Omer Abdul Hamid, MD

Cerin Jacob, DO

Sariha Moya, MD

Samantha Parkhurst, MD

Jenny Schmidt, MD

Rohan Vaidya, DO

## Fellow Awards

- Paola Castri, MD, Golden Apple Award for Teaching

## Research Interests

- Responsive neurostimulation system – post-approval study in epilepsy
- Utilizing quantitative brain MRI in measuring cerebral structural connectivity in infantile spasms
- Identifying seizure onset zone using connectivity analysis of electrocorticographic recordings
- Comprehensive outcomes registry in subjects with epilepsy treated with vagus nerve stimulation
- Epilepsy surgery outcomes in pediatric patients with tuberous sclerosis complex
- Magnetoencephalography in infantile spasms
- Multimodal language mapping to predict post-operative language outcome after epilepsy surgery
- Safety and efficacy of intranasal Midazolam, intranasal Diazepam and buccal Diazepam
- Functional brain mapping with transcranial magnetic stimulation
- Low frequency transcranial magnetic stimulation for the treatment of focal epilepsy
- Augmenting treatment effects of voice therapy in Parkinson's disease

# Obesity Medicine

The pediatric obesity medicine fellowship program is for physicians who have completed residency training for pediatrics, internal medicine-pediatrics or family medicine. We offer two tracks - a one-year clinician-educator track and a two-year clinician-researcher track. The program is designed to provide trainees with expertise and clinical experience in pediatric obesity medicine with a primary focus on the evaluation and management of pediatric and adolescent obesity. Fellows will learn how to diagnose genetic causes of obesity as well as treat obesity and its resulting comorbidities through intensive lifestyle interventions, including modifications to nutrition, physical activity and behavior, as well as pharmacotherapy and collaborative subspecialty and surgical care.

## Program Staff



### Program Director

**Joan Han, MD**

Associate Professor of Pediatrics  
Diplomate of the American Board of Obesity Medicine

**Residency:** Boston Children's Hospital

**Fellowship:** National Institutes of Health

### Current Fellow

Corinne Althausen, DO



### Associate Program Director

**Marion Hare, MD, MS**

Associate Professor of Preventive Medicine  
Diplomate of the American Board of Obesity Medicine

**Residency:** University of Tennessee  
Health Science Center



### Associate Program Director

**Adebowale Odulana, MD, MPH**

Assistant Professor of Pediatrics  
Diplomate of the American Board of Obesity Medicine

**Residency:** Virginia Commonwealth University

**Fellowship:** University of North Carolina - Chapel Hill



### Fellowship Coordinator

**Angie Cooper**

acoop28@uthsc.edu  
901.287.5890

## Research Interests

- Novel drugs therapies for pediatric weight loss
- Genetic disorders with obesity
- Active video gaming
- Culinary medicine
- Pediatric obesity in underserved populations
- Pediatric obesity in primary care
- Mindfulness and pediatric obesity

# Psychiatry

The two-year pediatric psychiatry fellowship program provides a diverse experience with the flexibility to tailor to each fellow's career goals. The program provides a clinically rich, detailed experience interspersed with didactics and close supervision in a supportive setting that aims to develop a strong foundation in child and adolescent psychiatry. Fellows will develop understanding of the biological, psychological, social and developmental factors affecting the lives of children, adolescents and their families and learn to assess and treat their patients using the same approach. Fellows will complete rotations at Le Bonheur and St. Jude Children's Research Hospital. Outpatient rotations are offered at the Boling Center for Developmental Disabilities where there is a rich interchange with psychologists, psychology interns and developmental pediatrics.

## Program Staff



### Program Director

**Andres A. Ramos H., MD**

Assistant Professor of Psychiatry

**Residency and Fellowship:** The Institute of Living, Hartford, CT

### Current Fellows

Blaise Carney, MD

Karrar Husain, MD

Mallory Mitchell, MD



### Associate Program Director

**Hal Brunt, MD**

Lakeside Medical Director

**Residency:** Tulane Medical School Department of Psychiatry and Neurology

**Fellowship:** Yale University Child Study Center



### Fellowship Coordinator

**Jeannine Ricker**

jricker4@uthsc.edu

901.287.5954

## Research Interests

- Trauma
- Adverse childhood experiences and their impact on development
- Psychiatric evaluation of pre-transplant youth

# Pulmonology

The pediatric pulmonology fellowship at UTHSC provides exceptional training opportunities for fellows. At Le Bonheur, fellows rotate on the primary pulmonology service, provide consultations throughout the hospital, including the NICU, PICU and intermediate care unit, and perform bronchoscopies. In addition to the continuity clinic, fellows are involved in our many excellent clinical centers, including our Cystic Fibrosis Foundation-accredited CF center, pediatric sleep disorders center, primary ciliary dyskinesia center, Muscular Dystrophy Association center and newly formed aerodigestive center. They have access to a full range of state-of-the-art testing modalities, including the only infant pulmonary function lab in the state of Tennessee. At St. Jude Children's Research Hospital, fellows provide consultations, perform bronchoscopies and read pulmonary function tests on a unique patient population. Varied research opportunities in cystic fibrosis, sleep disorders, lung disease in children with oncologic and hematologic processes, asthma and lung infections are available for fellows to pursue.

## Program Staff



### Program Director

#### James Tutor, MD

Professor of Pediatrics, Pulmonology

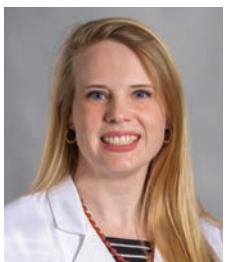
**Residency:** University of Mississippi Medical Center, Jackson Miss; University of Tennessee, T.C. Thompson Children's Hospital

**Fellowship:** Tulane University School of Medicine

### Current Fellows

Ellen Ariail, MD

Natalie Francis, MD



### Associate Program Director

#### Catherine Donnellan Sanders, MD

Assistant Professor of Pediatrics, Pulmonology

**Residency:** University of Tennessee Health Science Center

**Fellowship:** University of North Carolina - Chapel Hill



### Fellowship Coordinator

#### Amie Ray

Aray40@uthsc.edu  
901.287.6034

## Fellow Awards

- Natalie Francis - accepted to the Fellow Track Symposium, American Thoracic Society Conference

## Research Interests

- Host-pathogen interactions in special populations with underlying chronic lung disease
- Immuno- and patho-biology of allergic hosts during respiratory infections (influenza virus and pneumococci), the role of antimicrobial peptides at the air-lung interphase and eosinophil development and function in health and disease
- Duchenne muscular dystrophy, cystic fibrosis (CF) and asthma
- Basic and translational CF studies:
  - Characterization of an inhibitory protein complex for CF therapy
  - Characterization of novel CF mutations
  - Roles of CF transmembrane conductance regulator-containing protein complexes in fluid secretion and inflammatory responses in gastrointestinal systems
- Proximity to local CF care center as a predictor of overall access to health care and positive health outcomes
- Sleep disturbances and obesity
- Screening tools and management for obstructive sleep apnea (OSA) and management for obstructive sleep apnea
- Primary ciliary dyskinesia, CF quality improvement and aerodigestive diseases

# Radiology

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The pediatric radiology fellowship is an ACGME-accredited program that provides trainees with diverse clinical experiences to prepare for a career in pediatric radiology/pediatric imaging. Pediatric radiology at Le Bonheur has an extensive patient mix with nationally prominent clinicians and programs of excellence, including neurology, neurosurgery, cardiology, cardiac surgery, gastroenterology, nephrology, urology and maternal fetal medicine. Fellows rotate for one month at St. Jude Children's Research Hospital. The curriculum at Le Bonheur includes four didactic lectures per week and multiple additional interdisciplinary conferences.

## Program Staff

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### Program Director

**Harris L. Cohen, MD, FACR, FSRU, FAIUM**

Chairman of Radiology, Radiologist in Chief, Professor of Radiology, OBGYN & Pediatrics

**Residency:** SUNY, Downstate Medical Center

**Fellowship:** Children's Hospital - National Medical Center



### Associate Program Director

**Thomas Boulden, MD**

Associate Program Director, Chief of Medical Operations, Professor of Radiology

**Residency:** University of Missouri

**Fellowship:** University of Texas Medical Branch Hospital



### Fellowship Coordinator

**April Smith, MSHSA**

asmit359@uthsc.edu

901.287.5265

## Research Interests

- 3D CT reconstruction to aid in improving trauma imaging
- Contrast aided ultrasound for urologic and other diagnoses
- Functional brain imaging
- Vascular malformation imaging and treatment
- New interventional therapies in pediatric oncology
- Tuberous sclerosis complex - advanced brain and kidney imaging
- MRI in Crohn's disease assessment
- Mastoid view in cerebellum assessments in neonates
- Ovarian torsion analysis in relationship to gynecological structures measurements by age
- Fetal diagnosis by ultrasound and MRI with neonatal correlations.
- 3D CT coronary artery angiography for cardiac surgery planning

# Sleep Medicine

The accredited sleep medicine fellowship provides an opportunity for fellows to focus on pediatric sleep pathologies. Pediatric patients are seen in a variety of outpatient facilities as well as at Le Bonheur Children's Hospital, and in the Le Bonheur Pediatric and Adolescent Sleep Laboratory. This children's hospital serves a large multi-state area ensuring that fellows will be involved in the care of children with both common and rare sleep pathologies. The pediatric faculty includes individuals from the pediatric specialties of pulmonology, psychiatry, otolaryngology, neurology, critical care medicine and general pediatrics. Close relationships also exist with the Department of Family Medicine and pediatric patients in the dental sleep medicine program in the School of Dentistry. The non-pediatric component of the fellowship takes place in the clinics, wards and Sleep Lab of the Memphis Veteran's Administration Medical Center, located one block east of Le Bonheur.

## Program Staff



### Program Director

**Amado Freire, MD, MPH**

Professor of Medicine, Pulmonary

**Residency:** Mountainside Hospital, University of Medicine and Dentistry of New Jersey

**Fellowship:** City Hospital Center at Elmhurst, N.Y.

### Current Fellows

Nikky Keer, DO

Pralhad Sharma, MD



### Associate Program Director

**Robert Schoumacher, MD**

Professor of Pediatrics, Otolaryngology

**Residency:** University of Virginia

**Fellowship:** University of Alabama at Birmingham



### Fellowship Coordinator

**Michelle Bollenbach**

mbollen1@uthsc.edu

901.448.5737

# Surgery

The pediatric surgery fellowship has a structured didactic curriculum for pediatric surgery training. Faculty are all American Board of Surgery certified in pediatric surgery and general surgery. Fellows are involved in multiple robust multidisciplinary collaborative programs, including an American College of Surgeons (ACS)-accredited level 1 pediatric trauma program, ECMO, children's intestinal rehab center, the fetal center, healthy lifestyles clinic, vascular anomalies clinic and the multidisciplinary aerodigestive clinic. Fellows will also have opportunities to partner with our teaching hospitals – St. Jude Children's Research Hospital and Regional One Health.

## Program Staff



### Program Director

**Eunice Huang, MD, MS**

Professor of Surgery and Pediatrics

**Residency:** University of Southern California Medical Center

**Fellowship:** University of Tennessee Health Science Center

### Current Fellows

Daniel Lodwick, MD

Sara Mansfield, MD



### Associate Program Director

**Ying Weatherall, MD**

Assistant Professor of Surgery and Pediatrics

**Residency:** University of Miami Miller School of Medicine

**Fellowship:** University of Tennessee Health Science Center



### Fellowship Coordinator

**Amber Stroupe**

astroupe@uthsc.edu

901.626.0725

## Research Interests

- Chest wall anomalies and deformities
- Colorectal conditions
- Bariatric surgery
- Trauma and burns
- Vascular anomalies
- Congenital diaphragmatic hernia and ECMO
- Intestinal rehabilitation and adaptation
- Health disparities research
- Hirschsprung's Disease
- Mucosal immune development
- Minimally invasive surgery



# About Le Bonheur

# Le Bonheur by the Numbers

June 15, 1952 **Le Bonheur**  
is founded

45

pediatric  
specialties

95k

outpatient  
visits per year

6-State

catchment area

95k

emergency  
department  
visits per year



2.9k

employees

750

medical staff members



2,500

intensive care  
patients per year



255

beds

14k

hospital in-patients  
per year

13k

surgeries  
performed  
per year

# Awards

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- *U.S. News & World Report's* Best Children's Hospitals
  - Cardiology & Heart Surgery
  - Gastroenterology & GI Surgery
  - Neonatology
  - Nephrology
  - Neurology & Neurosurgery
  - Orthopedics
  - Pulmonology
  - Urology
- American Association of Blood Banks Certification
- College of American Pathologists Certification
- Level IV Epilepsy Center
- American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET) EEG certification
- The Society of Thoracic Surgeons (STS) three star rating
- Magnet designation by the American Nurses Credentialing Center (ANCC)



## FAQ

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### How was Le Bonheur founded?

Le Bonheur's charitable roots date back to 1923 when a sewing circle under the name "Le Bonheur Club," began making clothes for underprivileged children living at Leath Orphanage in Memphis. Soon, the Club began attending to the health care needs of children in the orphanage. In 1944, when the Pediatric Society had an idea for a hospital dedicated solely to children, they contacted Le Bonheur Club. After raising \$2 million to build the facility, members of the community and Le Bonheur Club gathered on June 15, 1952, to open the doors to the hospital. As Le Bonheur Club's president released red balloons with keys to the hospital attached, the celebration served as a promise that no child would ever be turned away from Le Bonheur.

### Why the name "Le Bonheur"?

The group of women who began sewing for the children of Leath Orphanage chose to name their sewing circle "Le Bonheur," which means "hour of happiness" in French.

### Why is Le Bonheur's logo a heart?

Le Bonheur debuted the stitched heart icon in 2010 in conjunction with the opening of a new state-of-the-art hospital. The icon represents our dedication to taking care of children who need our talent, expertise and compassion. The stitching in the heart symbolizes our roots in Le Bonheur Club, a women's sewing circle.



# Quality and Patient Safety

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Quality, safety and patient outcomes are an integral part of every department and service at Le Bonheur. We view exceptional care as a journey that requires continuous improvement at the bedside as well as critical evaluation of all patient outcomes. With this mission in mind, Le Bonheur is now part of 29 national and regional registries, databases and quality care organizations:

- **ACPC-QNET:** Adult Congenital and Pediatric Cardiology Quality Network
- **CCISC:** Congenital Cardiovascular Interventional Study Consortium
- **CDH:** Congenital Diaphragmatic Hernia Registry
- **CF:** Cystic Fibrosis Registry
- **CHAT:** Children's Hospital Alliance of Tennessee
- **CHND:** Children's Hospitals Neonatal Consortium
- **CHSPS:** Children's Hospitals' Solutions for Patient Safety
- **Compare:** Children's Hospital Association
- **Crimson Continuum of Care**
- **ELSO:** Extracorporeal Life Support Organization
- **GAMUT:** The Ground Air Medical qQuality Transport Database
- **ICN:** Improve Care Now
- **IMPACT:** Improving Pediatric and Adult Congenital Treatments
- **IPSS:** International Pediatric Stroke Study
- **MDA:** Neuromuscular Disease Registry
- **MHA:** Mississippi Hospital Association
- **NAFTNet:** North American Fetal Therapy Network
- **NAPRTCS:** North American Pediatric Renal Trials and Collaborative Studies
- **NDNQI:** Press Ganey, National Database of Nursing Quality Indicators
- **NHSN:** National Healthcare Safety Network
- **NRC Health:** National Research Corporation
- **NSQIP:** National Surgical Quality Improvement Program - Pediatric
- **PC4:** Pediatric Cardiac Critical Care Consortium
- **PHIS-CHA:** Pediatric Hospitals Information System – Children's Hospital Association
- **SRTR:** Scientific Registry of Transplant Recipients
- **STS:** Society of Thoracic Surgeons
- **THA:** Tennessee Hospital Association
- **TQIP:** Trauma Quality Improvement Project
- **VPICU:** Virtual Pediatric Intensive Care Units Database

The Children's Foundation Research Institute (CFRI), a partnership between Le Bonheur, UTHSC and the Children's Foundation of Memphis, is committed to making new discoveries in pediatric medicine.

## Research Facilities

Le Bonheur investigators have access to state-of-the-art research facilities and support that provides the best opportunity to find new diagnostic tools, treatments and cures. Some of the facilities include:

- **Administrative Core:** oversees all aspects of CFRI operations
- **Grant and Contract Management:** assists researchers in securing funding
- **Regulatory Core:** ensures research is carried out in compliance with local and federal regulations
- **Scientific Editing:** PhD level scientific editor assists researchers with preparation and development of scientific publications and presentations
- **Biomedical Informatics Core:** provides informatics support for all CFRI researchers
- **Biostatistics Core:** provides assistance with study planning and design, power calculations and statistical analyses
- **Clinical Trials Support:** provides infrastructure and clinical expertise to facilitate therapeutic, pharmaceutical and disease-oriented research
- **CFRI Laboratories:** contains over 30,000 square feet of basic laboratory space with shared laboratory equipment
- **Clinical Trials Advisory Committee:** reviews new investigator-initiated research projects in order to enhance funding opportunities

## BIG Initiative

The CFRI established the Biorepository and Integrative Genomics (BIG) Initiative – a collection of DNA samples to study the influence of genes on diseases and treatment response. The BIG Initiative recently collected its 10,000th sample. Researchers have access to DNA samples by submitting a BIG Materials Distribution Request, which are reviewed on a monthly basis.

## Pediatric Research Day

This annual event brings together faculty and trainees at all levels from Le Bonheur Children's Hospital, the Department of Pediatrics at UTHSC, CFRI and other institutions to facilitate presentations and discussions on the latest research findings, medical advances and scientific innovations.



# Centers of Excellence

## Heart Institute

The Le Bonheur Heart Institute is nationally recognized as a top pediatric cardiology and cardiac surgery program providing care for patients with congenital heart defects, from before birth and through adulthood, and for children with inherited and acquired cardiomyopathies. Ranked as a top program by *U.S. News & World Report*, the Heart Institute's surgical outcomes are among the best in country.

- The Heart Institute's state-of-the-art hybrid catheterization lab is where the procedure for percutaneous closure of PDAs in premature neonates was pioneered.
- The Heart Failure Program includes cardio-oncology in partnership with St. Jude Children's Research Hospital, ventricular assist device (VAD) implantation and management and transplantation.
- Planning is underway for a \$37.6-million expansion to encompass 20 CVICU beds, 11 step-down beds and an MRI-guided hybrid catheterization lab.



## Neuroscience Institute

Recognized as a top pediatric neurology program by *U.S. News & World Report*, the Neuroscience Institute at Le Bonheur serves as the regional and national hub for the evaluation and treatment of neurological disorders in children and adolescents.

- **Partners:** St. Jude Children's Research Hospital, Semmes Murphey
- **Cutting-edge imaging technology:** provides comprehensive technology in neurological testing. In 2018 Le Bonheur became the first hospital in the world to install TRIUX™ neo MEG for functional brain mapping.
- **TSC Center of Excellence:** nationally recognized by the Tuberous Sclerosis Alliance as a regional referral center
- **Level IV Epilepsy Center:** more than 90 percent of surgical epilepsy patients are declared seizure free after 12 months, as defined by Engel classification
- **Pediatric brain tumor program:** partnership with St. Jude Children's Research Hospital - all neurological procedures for children with brain tumors are performed at Le Bonheur



## Orthopedics

The Orthopaedic division at Le Bonheur is recognized by *U.S. News & World Report* as one of the nation's best pediatric orthopaedic programs in the country. Partnering with Campbell Clinic Orthopedics, Le Bonheur provides one of the most experienced pediatric orthopaedic teams in the country. These experts treat all pediatric orthopaedic conditions and provide comprehensive spine care.

- **Partner:** Campbell Clinic Orthopedics
- **Pediatric spine center:** largest spine center with the most experienced pediatric spine specialists in the region
- **Neuromuscular clinic:** multidisciplinary clinic for individuals diagnosed with cerebral palsy or other neuromuscular conditions that began during childhood.



# Community Services

Le Bonheur's expertise and resources extend beyond the hospital walls. Le Bonheur Community Health and Well-Being addresses issues such as safety, teen pregnancy and access to health care that threaten the health and well-being of the region's kids.

## Our community programs include:

- **Be Proud! Be Responsible! Memphis!:** collaborates with community centers, schools and churches to prevent teen pregnancy
- **Changing High-Risk Asthma in Memphis through Partnership (CHAMP):** improves care for asthma patients to lower hospitalizations and cost of care
- **Community HIV Network:** provides resources for women, children, youth and families infected with or affected by HIV
- **Healthy Families:** promotes child development and responsible parenting
- **Le Bonheur Early Intervention and Development (LEAD):** works with children ages 0-3 to enhance developmental growth, improve independence and empower daily caregivers to become advocates
- **Mobile Health:** provides affordable, accessible health care services for children who do not have pediatricians
- **Nurse-Family Partnership:** aims to improve pregnancy outcomes and child development
- **Safe Kids Mid-South:** works to prevent accidental injury to children, including providing car seats at hospital discharge and swimming lessons throughout the city



# Locations



1. **Le Bonheur Children's Hospital:** 848 Adams Avenue
2. **Outpatient Center (OPC):** 51 N. Dunlap Street
3. **Children's Foundation Research Institute:** 50 N. Dunlap Street
4. **Le Bonheur Children's Pediatric Emergency Department - Germantown:** 7691 Poplar Ave, Germantown, TN, 38138
5. **Le Bonheur Outpatient Center - East Memphis:** 100 N. Humphreys Blvd. Memphis, TN, 38120
6. **Le Bonheur Urgent Care - Memphis:** 8071 Winchester Road, Memphis, TN, 38125
7. **Le Bonheur East Surgery Center:** 786 Estate Place, Memphis, TN, 38120
8. **Le Bonheur Children's Outpatient Center - Jackson:** 1535 Vann Drive, Jackson, TN, 38305
9. **Le Bonheur Children's Outpatient Center - Jonesboro:** 800 S. Church Street, Suite 104, Jonesboro, AR, 72401
10. **Le Bonheur Children's Outpatient Center - Tupelo:** 942 Commonwealth Blvd., Tupelo, MS, 38804
11. **Pediatric Ophthalmology - East Memphis:** 6401 Poplar Ave., Memphis, TN, 38119
12. **Pediatric Ophthalmology - Hamilton Eye Institute:** 930 Madison, Memphis, TN, 38103
13. **Pediatric Psychiatry - East Memphis:** 920 Estate Dr., Memphis, TN, 38119
14. **Pediatric Urology - Germantown:** 1920 Kirby Pkwy., Germantown, TN, 38138
15. **Pediatric Ophthalmology - Tupelo:** 610 Brunson Dr., Tupelo, MS, 38801
16. **Le Bonheur Pediatrics, Kronenberg, Tsiu, Eiseman:** 920 Estate Drive, Suite 3; Memphis, TN, 38119
17. **Memphis Pediatrics:** 1255 S. Germantown Road, Germantown, TN, 38138
18. **Pediatric Associates:** 3876 New Covington Pike, Memphis, TN, 38128
19. **Pediatric Consultants - Collierville:** 1458 West Poplar Ave., Suite 201, Collierville, TN, 38017
20. **Pediatric Consultants - Downtown Memphis:** 51 N. Dunlap, Suite 410, Memphis, TN, 38105
21. **Pediatric Consultants - East Memphis:** 6215 Humphreys Boulevard, Suite 200, Memphis, TN, 38120



Le Bonheur Children's Hospital

One of the  
most  
advanced  
children's  
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Le Bonheur



