

# FELLOWSHIP PROGRAMS | 2024-25



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 14 consecutive years, our 311-bed state-of-the-art facilities have 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.

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 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,



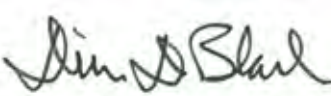
James "Trey" Eubanks, III, MD, FACS  
President and Surgeon-in-Chief,  
Le Bonheur Children's Hospital



Terri Finkel, MD, PhD  
Vice Chair of Clinical Affairs  
Interim Chair, Department of Pediatrics  
Le Bonheur Children's Hospital  
Professor and Associate Chair of Pediatrics



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



Dennis Black, MD  
Director, Children's Foundation Research Institute  
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



## Joan Chesney, MDCM

After a full and robust career dedicated to caring for children and training the next generation of physicians, Joan Chesney, MDCM, 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. In 2016, she returned to Le Bonheur as associate program director of the Pediatric Residency Program and director of the Pediatric Fellowship Office.

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



## Jasmine Garrett

Administrative Coordinator, Pediatric Fellowship Office  
Bachelor of Arts in Communications, University of Memphis

lbfellow@uthsc.edu

901.287.5429

# 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*

Memphis Metropolitan Area consists of

**1.3 million** residents

7,000

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

400

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

63°

average temperature

600



bikes available through **Explore Bike Share**

100



barbeque restaurants

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

# Where Our Fellows Live

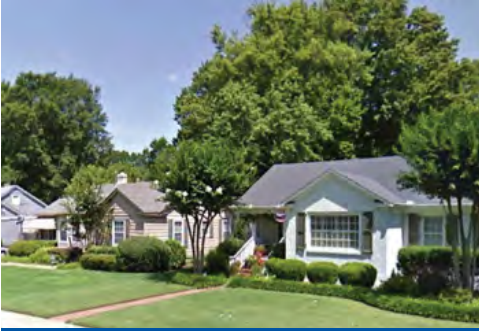


Photo Credit: Memphis Heritage **High Point Terrace**



**Downtown**



**East Memphis**



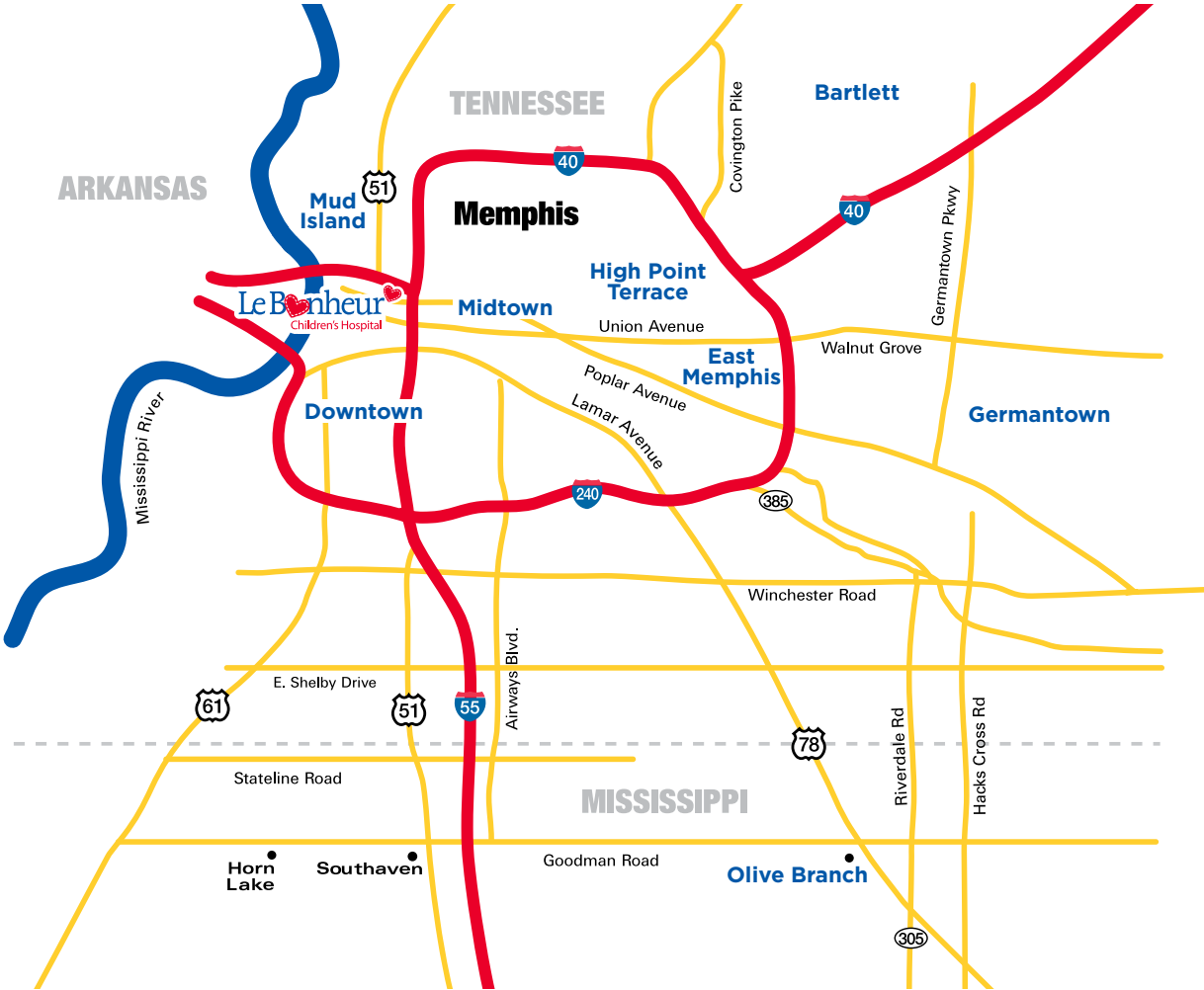
**Midtown**



**Mud Island**



**Cooper Young**



# Things To Do in Memphis

Locals always say that Memphis has big-city amenities with a small-town feel. A day off from fellowship training is the perfect opportunity to experience all that Memphis has to offer. Foodies, sports fans, art aficionados and outdoor enthusiasts can find activities and experiences any day of the week in this vibrant city.

## Good Eats

While most famous for delicious barbecue, Memphis' restaurant scene is bustling with a wide variety of cuisines and food experiences. Jump-start the day with a garden and lamb omelet from Brother Juniper's or sweet potato pancakes from Memphis' oldest café, Arcade Restaurant. 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.



Central BBQ



Second Line



Beauty Shop



Arcade Restaurant

## Live Music

Wandering down Beale Street, it's clear why Memphis is known as the birthplace of rock 'n' roll and the home of the blues. Live music can be found somewhere in the city on almost any night of the week. Enjoy a concert at Minglewood Hall and outdoor, family-friendly concerts at the Levitt Shell. Is classical music more your style? Check out Memphis Symphony Orchestra, Opera Memphis and Ballet Memphis performances year round.



Minglewood Hall



Memphis Symphony Orchestra



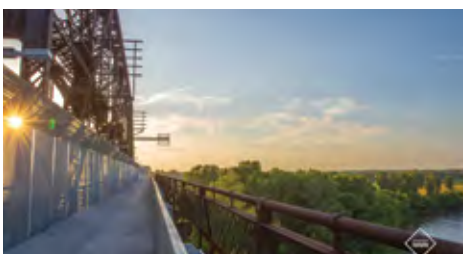
Levitt Shell

## Outdoor Activities

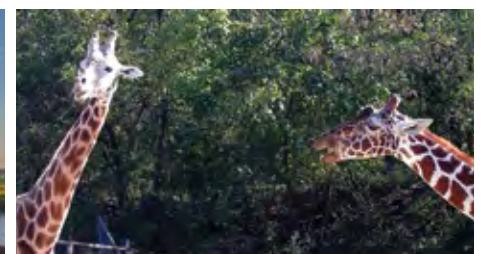
With its location on the Mississippi River, 26 miles of Wolf River Greenway paved trail and 7,000 acres of park space, Memphis is a haven for outdoor enthusiasts. Take in the mighty Mississippi with a walk across Big River Crossing, spend a morning at the 96-acre Memphis Botanic Garden or explore trails, paddle the lakes and enjoy treetop adventures at Shelby Farms Park.



Shelby Farms Park



Big River Crossing



Memphis Zoo



## Sports

Memphis is home to multiple professional and collegiate sports teams, so Memphians can enjoy sports all year round. Cheer on the Memphis Grizzlies at FedExForum, enjoy a day at the ballpark with the Memphis Redbirds – the Triple-A affiliate of the St. Louis Cardinals – join the chants and cheers for the local soccer team Memphis 901 FC or catch one of many Division I sports at the University of Memphis.



Photo Credit: NBA/Getty Images

Grizzlies



Redbirds



Memphis 901 FC

## Arts and Culture

Art enthusiasts will not be disappointed when looking to find a night of entertainment and inspiration. Catch a Broadway show at the Orpheum Theatre or peruse the art at the Dixon Gallery and Gardens or the Memphis Brooks Museum of Art. Take in the history of Memphis and its vibrant culture with a visit to the National Civil Rights Museum, Stax Museum of American Soul Music and the Museum of Science and History.



National Civil Rights Museum



Museum of Science and History



Dixon Gallery & Gardens

## More

Experiences in Memphis don't end there. Take a stroll down historic and famous Beale Street or enjoy patio season on one of the many outdoor spaces in Memphis like Loflin Yard – an acre of green space in the heart of Downtown complete with a full bar and restaurant. Unwind from a long day and sample the local craft beer at one of the many city's breweries and taprooms – Ghost River Brewing, Memphis Made Brewing Co., Wiseacre Brewing Co. and many more.



Wiseacre Brewing Co.



Loflin Yard



Beale Street



A photograph of a male doctor in a grey sweater using a stethoscope to examine a young child lying in a hospital bed. The child is wearing a nasal cannula and a white hospital gown. The background shows medical equipment, including a monitor displaying vital signs and IV stands with bags. The entire image is overlaid with a blue tint.

# Program Overview

# Fellowship Office

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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.

We work closely with the Office of Graduate Medical Education at The University of Tennessee Health Science Center. For more information email our designated institutional official Natascha Thompson, MD, at [dio@uthsc.edu](mailto:dio@uthsc.edu).

## 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
- Artificial intelligence in medicine

## 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
- Developmental-Behavioral Pediatrics
- Emergency Medicine
- Endocrinology
- Gastroenterology
- Hematology-Oncology\*\*
- Hospice and Palliative Care\*
- Hospital Medicine
- Infectious Disease\*\*
- Neonatal-Perinatal Medicine
- Nephrology
- Neurology
- Pulmonology
- Radiology\*
- Sleep Medicine\*
- Surgery\*
- Surgery Clinical Research\*\*\*
- Surgery Critical Care
- Urology

\* Administered through other departments

\*\*Administered through St. Jude Children’s Research Hospital

\*\*\*Not currently ACGME approved



## 2024-25 Trainee Compensation Rates for ACGME-Accredited Programs

PGY Level	Base Annual	With Disability & Life Benefits
PGY 4	\$67,596	\$66,300
PGY 5	\$70,476	\$68,988
PGY 6	\$73,068	\$71,352
PGY 7	\$75,876	\$73,944

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.

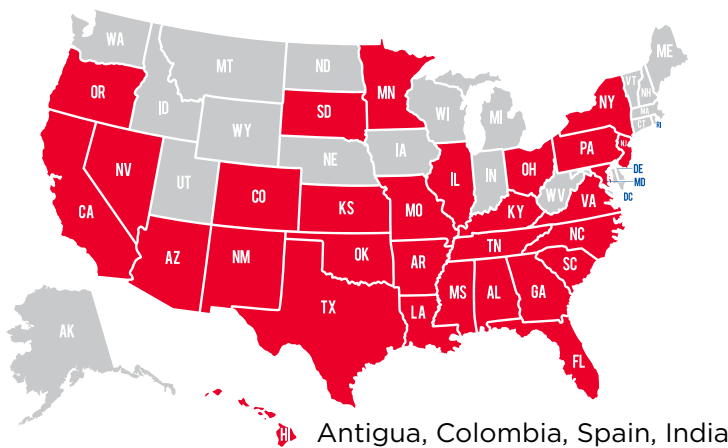
Full list of GME procedures and policies can be found at  
<https://uthsc.edu/graduate-medical-education/policies-and-procedures/index.php>

# Fellowship Office

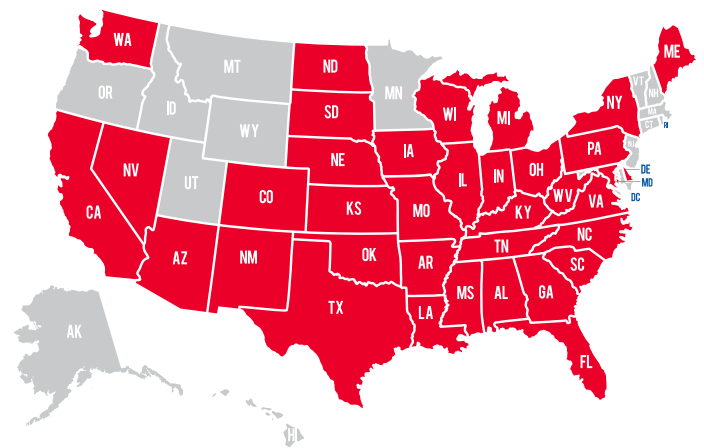
**65** total fellows in 2023

**22** individual fellowship programs

*Where UTHSC Pediatric Fellows completed residencies (2010-23)*



*Where UTHSC Pediatric Fellows are hired (2010-23)*



*UTHSC Pediatric Fellows' Careers (2023)*

Private practice or other

**52%**

Academics or additional training

**48%**

*Summary data does not include hematology and oncology and is based on fellow exit interviews.*

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## 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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“With high volume and robust operative trauma, **this fellowship has given me profound confidence** in running an ICU and taking a trauma to the operating room.”

*Ibrahim Abd el-shafy, MD*  
*Surgical 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
- 17 full-time employees
- 100 standardized patients
- 6 colleges training together (Dentistry, Graduate Health Sciences, Health Professions, Medicine, Nursing and Pharmacy)







# 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% 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 with 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

Joseph Howard, MD

Phuong Le, MD

Heema Shah, MD



### 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

**Victoria West, MBA**

vwest@uthsc.edu

901.287.5269

## Fellow Awards

- Lisa Biswas - AAAAI and ACAAI Fellow in Training Travel Scholarship
- Joshua Fowler - AAAAI Fellow in Training Travel Scholarship
- Heema Shah - Outstanding Abstract Award (Fellows) - Pediatric Research Day, ACAAI Fellows in Training Travel Scholarship
- Alex Kingsbury - AAAAI and ACAAI Fellow in Training Travel Scholarship, CFRI Fellow's Research Grant Recipient

## Research Interests

- Asthma outcomes with special interest in inner-city asthma and asthma in the underserved
- Food allergy - Clinical studies in IgE-mediated food allergies and eosinophilic esophagitis
- Allergen immunotherapy and clinical outcomes
- Anaphylaxis diagnosis
- Penicillin drug allergy de-labeling
- CHAMP (Changing High-Risk Asthma in Memphis through Partnership) community outreach

# Cardiology

The UTHSC pediatric cardiology fellowship program is a medium-sized fellowship program that takes three fellows per year. It is based at Le Bonheur Children's Hospital, the Mid-South's only quaternary care children's hospital with a wide catchment area. Le Bonheur's Heart Institute is highly ranked and acclaimed in the nation. It 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 5,000 babies are delivered each year. The cardiology division has experienced tremendous growth and expansion with a focus on interventional cardiology, cardiomyopathy, cardio-oncology, electrophysiology, cardio-genetics and adult congenital heart disease.

The goal of the fellowship program is to provide trainees with an extensive experience in the art and science of medicine to achieve excellence in the diagnosis, care and treatment of patients with congenital heart disease, acquired heart disease, cardiomyopathy and arrhythmias. This includes training in state-of-the-art practice in general inpatient and outpatient pediatric cardiology with opportunities to begin a focus on specialty areas within the field. The program includes training and experience in research methods and design and publication of research findings. The curriculum promotes evidence-based care, continuous quality improvement and lifelong learning.

## Program Staff



### Program Director

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

Associate 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



### Associate Program Director

**Nithya Swaminathan, MD, FAAP**

Associate Professor of Pediatrics, Cardiology  
**Residency:** Maria Fareri Children's Hospital,  
Westchester Medical Center

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



### Associate Program Director

**Jennifer Kramer, MD**

Assistant Professor of Pediatrics,  
Cardiology and Critical Care

**Residency:** MedStar Georgetown University,  
**Fellowship:** Johns Hopkins Children's Hospital



### Research Program Director

**Abhishek Chakraborty, MD**

Assistant Professor of Pediatrics, Cardiology  
**Residency:** University of Miami

**Fellowship:** University of Tennessee Health  
Science Center, Pediatric Cardiac Intensive Care  
Cincinnati Children's Hospital



### Fellowship Coordinator

**Cody Hinkley**

chinkley@uthsc.edu  
901-287-6034

### Current Fellows

Cassandra Campbell, MD

Andrew Corson, MD

Megha Jain, MD

Monica Lehman, MD

Faith Pena, MD

Menachem Rimler, MD

Mark Rushing, MD

Sharvari Shyam, MD

### Research Interests

- Strategies and techniques for percutaneous veno-arterial ECMO cannulation and decannulation in children, *Catheterization and Cardiovascular Interventions* by Cihangir Buyukgoz
- Incidence of acute neurological events in neonates and infants undergoing cardiac surgery using a high hematocrit/high-flow bypass strategy by Cihangir Buyukgoz, *World Journal for Pediatric and Congenital Heart Surgery*
- Outcomes of Paracorporeal Ventricular Assist Device Support In Infants With Congenital Heart Disease, Cihangir Buyukgoz, *WCPCCS*, Aug. 2023
- Ebstein's Anomaly: A personalized approach to symptomatic neonates by Sarah Parkerson and James Change, *The Journal of Thoracic and Cardiovascular Surgery*
- An innovative cervical approach for the insertion of a miniature microaxial flow ventricular assist device by Evan Harvey, *JTCVS Techniques*
- Acute Myocardial Infarction In An Adolescent With Previous Covid-19 Myocarditis, Managed With A Miniature Microaxial Flow Ventricular Assist Device by Cihangir Buyukgoz, *WCPCCS* 2023
- Improving surgical hand off in the CVICU, Le Bonheur Quality Improvement Grant, Chris Schmitt
- Thyroid Disease after Transcatheter Patent Ductus Arteriosus Closure with and without Iodine-Containing Contrast in Extreme Low Birth Weight Neonates; Monica Lehman, MD

# 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 (six beds) and Intermediate Care Unit (15 beds) as well as a rotation through the onco-critical care unit (eight 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

**Laurel Metzler, MD, FAAP**

Assistant Professor of Pediatrics, Critical Care

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

**Fellowship:** University of Michigan



### Associate Program Director

**Kathleen Zani, MD**

Assistant Professor of Pediatrics, Critical Care

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



### Fellowship Research Director

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

Assistant Professor of Pediatrics

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



### Fellowship Coordinator

**Victoria West, MBA**

vwest@uthsc.edu  
901.287.5269

### Current Fellows

Raktima Datta, MD

Hannah Estes, MD

Madeline Lebar, MD

Shyam Popat, MD

Mohammad Sabobeh, MD

Hunt Stafford, MD

Hannah Wendelbo, DO

## Fellow Awards

- Alyssa Smith - 2022 AAP Section on Critical Care Best Quality Improvement Award
- Timothy Flerlage - 2019 PALISI Fellow Presentation, Spring Meeting 2019
- Karan Karki - 2019 Outstanding Fellow Abstract Award, UTHSC Pediatric Research Day
- Madhura Hallman - 2018 Outstanding Fellow Abstract Award, UTHSC Pediatric Research Day
- Shyam Popat - 2023 AAP Section on Critical Care Scholarship for POCUS training, AAP National Conference and Exhibition, Washington, D.C.

## Research Interests

- Severe Sepsis/Multiorgan Dysfunction Syndrome
- Pediatric Neurocritical Care
- Global Onco-Critical Care (St. Jude Children's Research Hospital)
- Social Determinants of Health/Adverse Childhood Experiences in PICU
- Artificial Intelligence in the Pediatric Critical Care setting
- ECMO-related research
- Palliative Care/End of Life Care
- ARDS

# Developmental-Behavioral Pediatrics

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The developmental-behavioral pediatrics fellowship is a three-year, ACGME-accredited program dedicated to training clinicians in the expert care of children who present with a wide range of developmental concerns and to serve as physician leaders in developmental-behavioral pediatrics for diverse populations through clinical care, scholarly activity and advocacy. Fellows participate in the longitudinal care of children with developmental and/or behavioral needs where they learn to perform comprehensive diagnostic assessments, targeted evaluations and formulate treatment plans. Clinical experiences include rotations at Le Bonheur Children's Hospital within the division of Developmental Pediatrics and related pediatric subspecialties (e.g., Genetics, Neurology) as well as at the UTHSC Center on Developmental Disabilities and other community sites. Fellows participate in interdisciplinary training and services at the UTHSC Leadership Education in Neurodevelopmental and Related Disabilities (LEND) training program (part of the national Maternal and Child Health Bureau network). Fellows receive guidance and appropriate mentorship to help identify, develop and complete a scholarly activity project in Developmental-Behavioral Pediatrics by the end of the third year.

## Program Staff

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### Program Director

**Ronald R. Espinal, MD**

Assistant Professor of Pediatrics, Developmental

**Residency:** Cook County Children's Hospital

**Fellowship:** Developmental-Behavioral Pediatrics, Brown University



### Associate Program Director

**Toni M. Whitaker, MD**

Professor of Pediatrics, Developmental

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

**Fellowship:** University of Tennessee Health Services Center, Neurodevelopmental Disabilities/Developmental Pediatrics

## Research Interests

- Improving health outcomes for children and adolescents with autism spectrum disorders
- Evaluating developmental and educational services for children experiencing prolonged hospitalization
- Care and management of developmental and behavioral concerns, including autism and ADHD
- Developing best practices for care of children with developmental needs and associated medical complexity
- Evaluating early developmental milestones
- Evaluating early language development
- Exploring the roles of interprofessional teams and systems of care for children with complex medical and behavioral needs
- Assessing training and implementation of developmental surveillance and screening in primary care
- Continuous quality improvement in clinical service delivery

# Emergency Medicine

The pediatric emergency medicine (PEM) fellowship offers superior training at a Level I, free-standing pediatric hospital with an annual ED census of approximately 85,000 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 residents.

## 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

**Nalisha Brown**

Nbrown47@uthsc.edu

901.287.5265

### Current Fellows

Phillip Frayre, MD

Meagan Giovanni, DO

Chelsea Hawthorne, DO

Nicole Leuthold, MD

Bertina Loui, DO

Nathan Mulroy, MD

Brittain Robinson, MD

Maury Strong, MD

Scott Wisniewski, MD

### Fellow Awards

- Bertina Loui - EmergiQuiz award Best Case Discussion in Unknown Case, AAP 2023
- Erika Cohen - EmergiQuiz award Best Case Discussion in Unknown Case, AAP 2022
- Nick Watkins - EmergiQuiz selection, AAP 2021
- Baillie Whitlow - EmergiQuiz selection, AAP 2020

### Research Interests and Current Projects

- A Descriptive Analysis: Infants Presenting to the Pediatric Emergency Department with a Brief Resolved Unexplained Event
- A Multicenter Survey of Pediatric-Neonatal Transport Teams in the United States to Assess the Impact of the Coronavirus Disease 2019 Pandemic on Staffing
- Development of an Approach to Assessing Pediatric Fellows' Transport Medical Control Skills
- Comparing the use of Crotalidae-Polyvalent Immune Fab [Ovine] in Children
- "A Decade of Children Shot by Guns"
- Failure to Thrive and the Association with Child Abuse and Neglect
- Economic Burden of COVID
- Pediatric Readiness Score and Potentially Avoidable Transfers: A Single Center Experience
- Imaging and Diagnosis of Pediatric Intestinal Volvulus
- Procedural Sedation in the Pediatric Emergency Department

# Endocrinology

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

## Program Staff

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### Program Director

**Kathryn Sumpter, MD**

Associate Professor of Pediatrics, Endocrinology  
**Residency and Fellowship:** University of Texas  
Southwestern Medical School



### Fellowship Coordinator

**Victoria West, MBA**  
vwest@uthsc.edu  
901.287.5269



### Associate Program Director

**Alyssa Dye, MD**

Assistant Professor of Pediatrics, Endocrinology  
**Residency and Fellowship:** University of Tennessee  
Health Science Center

## Fellow Awards

- Alyssa Dye - Outstanding Abstract Award - Endo 2020; Oral presentation, Young Investigator Award and travel grant - American Diabetes Association's 82nd Scientific Sessions

## 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

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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, conducting endoscopies and other procedures as indicated. In addition to general clinics, fellows participate in the aerodigestive, eosinophilic esophagitis, liver/liver transplant, inflammatory bowel, motility 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

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### 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

Fatema Ali, MD

Stephanie Davenport, DO



### Associate Program Director

**Maggie Vickers, MD**

Assistant Professor of Pediatrics, Gastroenterology

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



### Fellowship Coordinator

**Nalisha Brown**

Nbrown47@uthsc.edu

901.287.5265

## Research Interests

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



# Hematology-Oncology

The 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, competence in the clinical diagnosis and management of these disorders, an understanding of clinical trials methodology and in-depth experience in a selected research area. Fellows obtain exceptional experience by working in a clinical environment that sees nearly 600 new oncology patients with leukemia/lymphoma, solid tumors and brain tumors, in addition to training in cancer predisposition, survivorship and quality of life and palliative care. Fellows are part of a multidisciplinary team that cares for patients with nonmalignant hematologic conditions such as sickle cell disease, thalassemia, other hemoglobinopathies, congenital and acquired hemolytic anemia, coagulation disorders and bone marrow failure syndromes. Working alongside faculty members, hematology-oncology fellows perform consultations for patients in the PICU, CVICU, NICU and general pediatric inpatient and outpatient services at Le Bonheur Children's Hospital.

Fellows will embark on an individualized clinical or basic/translational research project with outstanding mentorship to accommodate their future career and professional interests. This three-year, ACGME-accredited fellowship trains top-caliber 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

**Hiroto Inaba, MD, PhD**

Member, St. Jude Faculty

**Residency:** Children's Hospital of Michigan  
**Fellowship:** St. Jude Children's Research Hospital

### Current Fellows

La'Ron Browne, MD  
Gail Budhu, MD  
Nishi Harwani, MD  
Ramakrishnan Kizhakkancherry Ganesh, MD  
Vidyasagar Jaiswal, MD  
Megan Lilley, MD  
Ryan Lion, MD  
Grace McKay-Corkum, MD  
Roni Rachel Mendelson, MD  
Margit Mikkelsen, MD

Sarah Mumanachit, MD  
Devin Murphy, MD  
Trisha Paul, MD  
Katelyn Nichole Purvis, MD  
Alexandra Superdock, MD  
Shruthi Suryaprakash, MD  
Marleni RegaladaTorres Nunez, MD  
Paige Vincenzi, DO  
Eesha Zaheer, MD



### Program Manager

**Rachel Kannady, EdS**

St. Jude Children's Research Hospital  
Phone: 901-595-2573



### Program Coordinator

**Toni Pearson, MBA, C-TAGME**  
[toni.pearson@stjude.org](mailto:toni.pearson@stjude.org)



### Associate Program Director

**Nidhi Bhatt, MD**

Assistant Member, St. Jude Faculty

**Residency:** Southern Illinois University  
**Fellowship:** University of Illinois Hospital

### Research Interests

- [Cancer Control & Survivorship Program](#)
- [Developmental Biology & Solid Tumor Program](#)
- [Experimental Hematology Program](#)
- [Hematological Malignancies Program](#)
- [Neurobiology & Brain Tumor Program](#)

## Fellow Awards

- Ruth Wang'Ondu - 2020 ASH Minority Hematology Fellow Award
- Senthil V. Bhoopalan - 2021 ASH Research Training Award
- Richa Sharma - 2021 ASH Research Training Award
- Marta Salek - 2021 ASCO Conquer Cancer Young Investigator Award
- Michael McNeil - 2021 ASCO Conquer Cancer Young Investigator Award
- Tarun Aurora - 2021 ASH Abstract Achievement Award
- George Christakopoulos - 2021 ASH Abstract Achievement Award
- Caitlyn Duffy - 2022 ASCO Global Oncology Young Investigator Award

# Hospice and Palliative Medicine

The hospice and palliative medicine fellowship is an ACGME-accredited, fully-integrated adult and pediatric program that trains six fellows annually (three pediatric and three adult). The fellows gain broad and diverse training at six sites that include exposure in both adult and pediatric inpatient and outpatient settings, hospice residence and in-home hospice and research opportunities at St. Jude Children's Research Hospital. Fellows gain the 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. Fellows also have opportunities for training in health care advocacy and policy and ethics training, as well as professional debrief sessions with someone unaffiliated with the fellowship program. 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.

## Program Staff



### Program Director

**Arshia Madni, MD**

Assistant Professor of Pediatrics

**Residency:** Marshfield Clinic

**Fellowship:** University of Rochester



### Associate Program Director

**Colleen Menegaz, MD**

Assistant Professor of Pediatrics

**Residency:** University of Texas Southwestern Medical Center

**Fellowship:** University of Pittsburgh

### Current Fellows

#### Pediatric Track:

Rebecca England, MD

Stephanie Gehle, MD

Emily Reiners, MD

#### Adult Track:

Tricia Matthews, MD

Himanshukumar Nayak, MD

## Fellowship Coordinator

**Erica Franklin**

Efrank11@uthsc.edu

901-448-2852

## 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
- Communication in difficult decisions
- Social determinants of health Bioethics and palliative medicine

# Hospital Medicine

The hospital medicine fellowship program is a two-year fellowship. July 2019 marked the first year of our fellowship program, and we received initial accreditation from the ACGME in April 2020. 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

Merla Hubler-Fisher, MD, PhD

Amanda Walker, MD



### Associate Program Director

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

Associate Professor of Pediatrics

**Residency:** Massachusetts General Hospital

**Fellowship:** Children's National Health System, Washington D.C.



### Fellowship Coordinator

**Nalisha Brown**

Nbrown47@uthsc.edu

901.287.5265

## Research Interests

- Clinical Research: Predicting Clinical Escalation in Croup (Former Fellow Project); Antibiotic Therapy in Neck Infections
- Health Services Research: Burden of Serious Bacterial Infections in Young Febrile Infants; Measuring Variation in Care Between Hospitals; Inpatient Recognition of Obesity in Pediatric Population (Fellow Project)
- Quality Improvement: Standardization of High-Flow Nasal Cannula Initiation and Weaning in Bronchiolitis; Improving the Diagnosis and Treatment of Dysphagia; Better Antibiotic Selection in Children (BASIC); Improving Recognition and Management of Obesity in Pediatric Population
- 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. The program emphasizes training to make scholarly contributions to the field of infectious diseases as independent investigators in the clinical, translational or basic sciences or contribute to the improvement sciences, including antimicrobial stewardship, prevention, quality improvement and global/public health. We offer exceptional opportunities for clinical and research training at both sites. 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 have the opportunity to pursue specialized career development pathways focusing on basic science, clinical/translational science, quality improvement and implementation science, including global health and medical education.

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 eight weeks on transplant services. 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, MSc**  
Associate Member, St. Jude Faculty  
**Residency:** Dalhousie University,  
Halifax, Canada  
**Fellowship:** Washington University

### Current Fellows

Afreen Abraham, MBBS  
Markus Buchfellner, MD  
Rawan Budair, MD  
Ellie Bittle, MD  
Sandra Castejón, MD  
Maha Mohammed, MBCh  
Hayley Scheerer, MD



### Le Bonheur Site Director

**Timothy Minniear, MD, MSc**  
Assistant Professor of Pediatrics, Infectious  
Diseases  
**Residency:** University of Tennessee Health  
Science Center  
**Fellowship:** University of Tennessee Health  
Science Center, St. Jude Children's Research  
Hospital



### Fellowship Coordinator

**Trachia Wilson, C-TAGME, CAP**  
[trachia.wilson@stjude.org](mailto:trachia.wilson@stjude.org)  
901.595.5640

## Fellow Awards

- Afreen Abraham - Best Trainee Abstract Award and Travel Stipend - 4th Annual Infections in Immunocompromised Host Symposium - 2023, IDWeek Travel Award - 2023
- Sandra Castejon - Travel Stipend - 4th Annual Infections in Immunocompromised Host Symposium - 2023, PIDS Antimicrobial Stewardship Program Fellowship Award - 2023; Best Case Poster of the 23rd Annual St. Jude/PIDS Conference - 2024

## Research Interests

- Infections in immunocompromised patients
- Respiratory infections
- Herpesvirus family immunomodulation
- Hospital-acquired infections
- Inflammatory and immune responses
- Antibiotic stewardship
- Vaccine development
- HIV
- Diagnostic test development

# Neonatal-Perinatal Medicine

Training in the neonatal-perinatal fellowship program takes place on 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 74-bed NICU at Le Bonheur. This level IV NICU receives transports from surrounding areas with more than 400 admissions a year and comprises surgical and cardiac neonates along with infants who need multispecialty care. Le Bonheur neonatology 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

**Residency:** Gujarat University and Henry Ford Hospital

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



### Associate Program Director

#### Mohamad T. Elabiad, MD, MS

Professor of Pediatrics, Neonatology

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

**Fellowship:** State University of New York at Buffalo



### Associate Program Director

#### Sandeep Chilakala, MD

Associate Professor of Pediatrics, Neonatology

**Residency:** East Tennessee State University

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

### Current Fellows

Marshall Anderson, DO

Tanner Cabbage, DO

Ihinosen Edgal, MD

Andrew Mire, MD

Lakeya O'Neal, MD

Chad Pinkard, DO

### Fellowship Coordinator

#### Amy Pintchuck

901.448.1078

apintchu@uthsc.edu

## Fellow Publications

- Data-Driven Quality Improvement Program to Reduce Bronchopulmonary Dysplasia in Very Low Birth Weight Infants. Adeleke O, Lamba V, Talati AJ, E-PAS 2023: 648.138, April 2023
- Progression of Blood Gas pH During the First Hour of Life in Term and Near Term Infant with Cord Gas pH  $\leq$  7.0; Elmufti H, Talati AJ, Elabiad, MT E-PAS 2023: 169.331, April, 2023
- Effect of Using Liquid Human Milk Fortifiers on Macronutrient Delivery of Human Milk. Pinkard C. and Elabiad MT. E-PAS 2024: Abstract ID :1680221, May, 2024
- The Burden of Opioids, Benzodiazepines, and Dexmedetomidine for Neonates with Complex Care: A Point Prevalence Study. Ruiz E, Rana D, Talati AJ, and Weems M. E-PAS 2024: Abstract ID :1681933, May, 2024,
- It is Not a Straw: Evaluating the Limits of RAM Cannula. Mire A and Elabiad MT. E-PAS 2024: Abstract ID :1680195, May, 2024

## Research Interests

### Basic Science:

- Cerebral circulation in the premature (piglets)

### Clinical:

- Benefits of Zinc and Iron supplementation on growth and anemia
- Nutrition in the premature infant
- Benefits of starting feeds early on growth
- Non-invasive ventilation weaning strategies
- Improving milk macro nutrient delivery

### Quality Improvement:

- Unplanned extubations
- Delayed cord clamping
- Antibiotic stewardship
- Home discharge on human milk
- Prevention of BPD
- Using EBM in treatment of severe BPD
- Decreasing IVH

# Nephrology

The nephrology fellowship program at Le Bonheur Children's Hospital and UTHSC offers a comprehensive curriculum that encompasses all aspects of clinical pediatric nephrology. Our program covers a wide range of topics including hypertension, chronic kidney disease, diabetic nephropathy, congenital anomalies of the 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.

One of the unique features of our program is the opportunity to gain experience in both Le Bonheur Children's Hospital and St. Jude Children's Research Hospital. This exposure provides a distinct perspective in the field of onco-nephrology.

In addition to our diverse clinical exposure, we offer specialized clinics that focus on specific areas such as the Tuberous Sclerosis Center of Excellence, newborn-renal clinic, sickle cell nephropathy clinic and hereditary kidney diseases clinic. These subspecialized clinics further enhance our fellows' training and provide unique opportunities for clinical research.

Our program strongly emphasizes research and provides numerous avenues for our fellows to engage in meaningful studies. We actively collaborate with esteemed organizations such as the Pediatric Nephrology Research Consortium (PNRC), Children's Hospital Neonatal Consortium (CHNC), Neonatal Kidney Collaborative (NKC), North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) and Improving Renal Outcomes Collaborative (iROC). With active funding from the National Institutes of Health (NIH), we conduct research on various areas including glomerular disease, tuberous sclerosis, innate immunity and sickle cell nephropathy. Moreover, our collaboration with the University of Memphis and St. Jude presents outstanding research pathways for our fellows.

Overall, our pediatric and med-peds nephrology fellowship program at UTHSC offers a comprehensive and diverse training experience that combines clinical excellence with abundant research opportunities.

## Program Staff



### Program Director

**Colleen Hastings, MD**

Professor of Pediatrics, Nephrology

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

### Current Fellows

Dinah Batchelor, MD



### Associate Program Director

**Noel Delos Santos, MD**

Associate Professor of Pediatrics, Nephrology

**Residency:** Blair E. Batson Hospital for Children, University of Mississippi

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

### Active Research Areas

- Tuberous Sclerosis
- Neonatal Nephrology
- Sickle cell Nephrology
- HTN
- HSP/IgA
- Onco-Nephrology
- Multiple QI projects

### 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 of 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 and 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, Neurology

**Residency:** University of Texas, Houston



### Associate Program Director

**Amy Patterson, MD**

Assistant Professor of Pediatrics, Neurology

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

### Current Residents/Fellows

Laci Bean, MD  
Addison Durham, DO  
Brittany Gerald, MD  
Max Goodsell, DO  
Vaishvi Jhaveri, MD  
Makenzie Myers, MD  
Sapna Shah, MD  
Winston Wolters, MD  
Lindsay Wise, MD  
Morgan Young, DO

### Residency Program Coordinator

**Lymonte' Thomas**

Program Manager,

The University of Tennessee Health Science Center

Child Adolescent Psychiatry and Child Neurology

t: 901.448.2302

### 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
- Genetic therapy for Dravet syndrome
- Qualitative survey study assessing family support within the community including educator perspectives involving children with tic disorders or Tourette syndrome
- Assessing the efficacy of lacosamide in acute neonatal seizures
- Genetic therapy for spinal muscular atrophy and Duchenne muscular dystrophy

# Psychiatry

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This 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 are provided the opportunities to 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. All inpatient rotations are held at Le Bonheur, St. Jude Children's Research Hospital and Lakeside Behavioral Health. Fellows have the opportunity to grow and learn in the outpatient setting as well with rotations at Le Bonheur's Psychiatry Clinic. In clinic, fellows learn the skills needed to treat patients in a fellow-led clinic under attending supervision, which gradually tapers throughout training. Longitudinal exposure with our Psychotherapy Clinic and the Center of Excellence for Children in State Custody (COE) Clinic provides a rich interchange with psychologists, psychology interns and developmental pediatrics.

## Program Staff

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### Program Director

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

Assistant Professor of Psychiatry

**Residency and Fellowship:** The Institute of Living

### Current Fellows

Katelyn Butler, DO

Adam Chan, MD

Bakht Siddique, MD



### Associate Program Director

**Valerie Arnold, MD, FAACAP, ACPsych, FAPA**

Professor of Psychiatry

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

**Fellowship:** Child & Adolescent Psychiatry, University of Tennessee Health Science Center

### Fellowship Coordinator

**Lauren Mann, Ed.S., CAP**

mnl185@uthsc.edu

Program Manager III

Child Neurology, Child and Adolescent Psychiatry, Psychiatry Residency, Post Pediatric Portal

mnl185@uthsc.edu

901.448.3153

### Research Interests

- Trauma
- Adverse childhood experiences and their impact on development
- Psychiatric evaluation of pre-transplant youth
- Long-term metabolic effects of atypical antipsychotics
- Improvement of the evaluation of suicide cases in the emergency department



# 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. Fellows also have access to a full range of state-of-the-art testing modalities. 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 Tennessee College of Medicine

**Fellowship:** Tulane University

### Current Fellows

Jared Hogan, MD

Mallory Walsh, MD



### Associate Program Director

**Tonia Gardner, MD**

Assistant Professor of Pediatrics, Pulmonology

**Residency and Fellowship:** Indiana University School of Medicine



### Fellowship Coordinator

**Cody Hinkley**

chinkley@uthsc.edu  
901-287-6034

## Fellow Awards

- Natalie Francis - accepted to the Fellows' Symposium Track, American Thoracic Society Conference
- Mallory Walsh - accepted to the Fellows' Symposium Track, American Thoracic Society International 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)
- 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

**Anand Dorai Raju, MD**

Assistant Professor of Radiology

**Residency:** Ramaiah Medical College and Teaching Hospital

**Fellowship:** Jackson Memorial Hospital-University of Miami, Children's Hospital of Pittsburgh, University of Tennessee Health Science Center

### Fellowship Coordinator

**Catina Price, BS**

cprice38@uthsc.edu

901.448.8250

### 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

### Current Fellows

Mohammed Abdeen, MD

Som Biswas, MD

Ankita Chauhan, MD

Asif Jamal, MD

Chinky Patel, MD

Khem Uprety, MD

Preeti Prasad, MD

# Sleep Medicine

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The ACGME-accredited sleep medicine fellowship provides an opportunity for fellows to focus on adult and pediatric sleep pathologies. Le Bonheur serves a large multistate area ensuring that fellows will be involved in the care of children with both common and rare sleep pathologies. Pediatric patients are seen at Le Bonheur Children's Hospital and in the Le Bonheur Pediatric and Adolescent Sleep Laboratory. The adult sleep component of the fellowship takes place in the clinics, units and sleep lab of the Lt. Col. Luke Weathers, Jr., VA Medical Center, located one block east of Le Bonheur. The faculty includes individuals from the specialties of pulmonology, psychiatry, otolaryngology, neurology, behavioral sleep medicine, critical care medicine and general pediatrics.

## Program Staff

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### Program Director

**Rabin Shrestha, MD**

Assistant Professor of Medicine, Pulmonary Critical Care and Sleep Medicine

**Residency:** Internal Medicine, Robert Packer Hospital

**Fellowship:** Pulmonary Critical Care, University of Tennessee Health Science Center  
Sleep Medicine, University of Tennessee Health Science Center

### Current Fellows

Zachary Sherman, MD

Albert Vacheron, MD

# 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

**Ying Weatherall, MD**

Assistant Professor of Surgery, Pediatrics

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

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

### Current Fellows

Brian Hosfield, MD

Akila Ramaraj, MD



### Associate Program Director

**Timothy Jancelewicz, MD, MA, MS, FAAP, FACS**

Professor of Surgery, Pediatrics

**Residency:** University of California

**Fellowship:** The Hospital for Sick Children



### Fellowship Coordinator

**Shannae Staten**

sstaten@uthsc.edu

901.287.6300

## 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

# Surgery Clinical Research

This fellowship is available to individuals interested in obtaining dedicated training in clinical research focused on pediatric surgical conditions. Fellows will gain hands-on experience with local, regional and national prospective trials, outcomes research and large database analyses (e.g., NSQIP-Pediatrics, NTDB/TQIP, etc.). Emphasis will be placed on study design, implementation and manuscript and grants preparation. Fellows will be paired with a primary research mentor from among eight pediatric surgeons involved in research spanning the breadth of pediatric surgical disease. Specific areas of research focus within the division include health disparities in pediatric surgical outcomes, development and use of clinical pathways in trauma and burn care, application of biomedical informatics techniques to quality improvement, management of congenital diaphragmatic hernia and translational projects involving congenital colorectal disease. Coursework in epidemiology and clinical research can be obtained through the University of Tennessee Health Science Center. Pursuit of a master's degree in epidemiology may be made available to interested candidates.

## Program Staff



### Program Director

**Timothy Jancelewicz, MD, MA, MS, FAAP, FACS**

Professor of Surgery, Pediatrics

**Residency:** University of California

**Fellowship:** The Hospital for Sick Children

### Current Fellows

Kevin Lang, MD



### Fellowship Coordinator

**Shannae Staten**

sstaten@uthsc.edu

901.287.6300

## Fellow Awards

- Laura Veras, MD - Association for Academic Surgery, Fall Courses Travel Grant (2016), University of Tennessee Chancellor's Pilot Award (2016), Tennessee Chapter of the American College of Surgeons, Best Clinical Science Paper (2017), Tepas Award Finalist, Pediatric Trauma Society (2017), American Pediatric Surgery Association Featured Article of Interest (2020)
- Ruth Lewit, MD - REACH Hirschsprung's Foundation Research Grant (2020), Le Bonheur Foundation Fellows Grant (2020)

## Research Interests

- Health disparities in pediatric surgical outcomes
- Development and use of clinical pathways in trauma and burn care
- Application of biomedical informatics techniques to quality improvement
- Management of congenital diaphragmatic hernia and ECMO
- Translational projects involving congenital colorectal disease

# Surgical Critical Care

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The goal of the pediatric surgical critical care fellowship program is to prepare the fellow to function as a qualified practitioner at the advanced level of performance expected of an ABS-certified subspecialist in surgical critical care. The fellowship provides education leading to advanced proficiency in the care and management of critically-ill pediatric surgical patients. The education encompasses didactic instruction in the basic and clinical sciences of pediatric surgical diseases and conditions, as well as education in procedural skills and techniques used in the intensive care settings.

## Program Staff

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### Program Director

**Alexander Feliz, MD**

Program Director, General Surgery Residency  
Associate Professor of Surgery, Pediatrics

**Residency:** General Surgery Residency, University of South Florida College of Medicine

**Fellowship:** Pediatric Surgery, UPMC Children's Hospital of Pittsburgh



### Fellowship Coordinator

**Shannae Staten**

sstaten@uthsc.edu

901.287.6300

### Research Interests

- Trauma system improvement

# Urology

The Department of Urology at the University of Tennessee Health Science Center (UTHSC) offers a two-year ACGME accredited pediatric urology fellowship program. The program's mission is to train fellows with a well-rounded and broad-based knowledge necessary to practice pediatric urology, whether the fellow chooses to enter a private practice or academic teaching program. We aim to educate and train fellows from an academic/scientific standpoint, in order to critically evaluate current literature to improve his/her patient care and to be able to contribute scientifically to the field of pediatric urology.

## Program Staff



### Program Director

**Dana Giel, MD**  
Professor of Pediatric Urology  
**Residency and Fellowship:** University of Tennessee Health Science Center

### Current Fellows

Mohamed Soltan, MD  
Mohamed Al Fawzan, MD  
Leon Chertin, MD



### Associate Program Director

**Mary Elaine Killian, MD**  
Assistant Professor of Pediatric Urology  
**Residency:** University of Alabama at Birmingham Hospital  
**Fellowship:** Children's Hospital of Pittsburgh of UPMC

### Fellowship Coordinator

**Matthew Isaacs, PhD**  
misaacs4@uthsc.edu

### Research Interests

- Outcomes research for pediatric urologic diseases
- Fetal Urology and Hydronephrosis
- Disorders of Sex Differentiation
- Neurogenic Bladder
- Pediatric Urologic Tumors
- Vesicoureteral Reflux





A large, modern multi-story hospital building with a grid of windows and a prominent sign on top. The sign features a stylized heart logo and the text "Le Bonheur Children's Hospital". The entire image is overlaid with a blue tint.

Le Bonheur Children's Hospital

# About Le Bonheur

# Le Bonheur by the Numbers

**JUNE 15, 1952**

Le Bonheur  
is founded

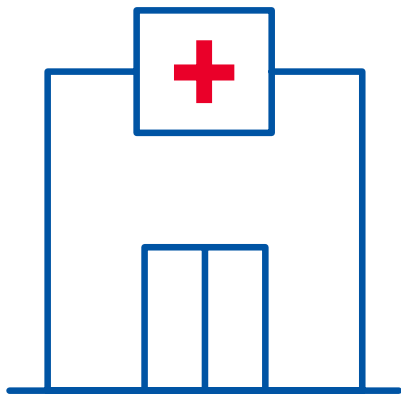
**2,900** employees

**750** medical staff  
members

**45** pediatric  
specialties

**311** beds 

**2,100** intensive care patients per year



**154,500** outpatient visits  
per year

**13,700**  
hospital inpatients per year

**83,000**  
emergency  
department  
visits per year



**14,600**  
surgeries performed  
per year

# Awards

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- U.S. News & World Report's Best Children's Hospitals
- Level 1 Pediatric Trauma Center
- 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)
- Gold Award for Excellence in Life Support from the Extracorporeal Life Support Organization (ELSO)
- Gold-level Beacon Award from the American Association of Critical Care Nurses
- Level 1 Children's Surgery Verification from the American College of Surgeons



## FAQ

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### How was Le Bonheur founded?

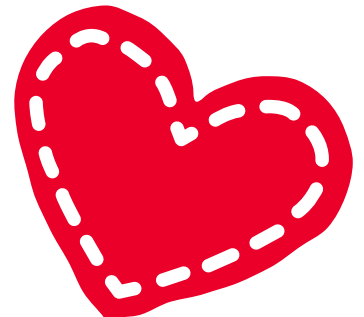
Le Bonheur's charitable roots date back to 1923 when a sewing circle under the name "Le Bonheur Club," began making clothes for underprivileged children living at Leath Orphanage in Memphis. Soon, the Club began attending to the health care needs of children in the orphanage. In 1944, when the Pediatric 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 commitment to care for 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

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 various national and regional registries, databases and quality care organizations including:

- **ACPC-QNET:** Adult Congenital and Pediatric Cardiology Quality Network
- **CCISC:** Congenital Cardiovascular Interventional Study Consortium
- **CDH:** Congenital Diaphragmatic Hernia Registry
- **CF:** Cystic Fibrosis Registry
- **CHA:** Children's Hospital Association
- **CHAT:** Children's Hospital Alliance of Tennessee
- **CHNC:** Children's Hospitals Neonatal Consortium
- **CHSPS:** Children's Hospitals' Solutions for Patient Safety
- **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

## Quality and Safety Innovation Grants

### Projects and Team Leaders

- Nasal Aspirator for Bronchiolitis: Desiree Burroughs-Ray, MD
- Trauma Informed Care: Jennifer Davidson, DO
- Transitional Care: Chrisla Key, DNP
- Preventing Patient Harm: Marley Lemons
- Digital Signage in ED: Nick Watkins, MD
- Legacy 3D: Meredith Norton
- Just in Time ABPM Monitoring: Rima Zahr, DO
- Communication in Surgical Handoff: Chris Schmidt, MD

The Le Bonheur Children's Hospital Quality and Safety Innovation Grants offer an annual opportunity to apply for grant funding to support new quality and safety projects such as these.





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The Children's Foundation Research Institute (CFRI), a partnership among 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

## I-ACT for Children Site Network

The CFRI is a member of the Institute for Advanced Clinical Trials (I-ACT) for Children Site Network. This is a global, collaborative research network that enables regulatory-grade scientific data to support the safe and effective use of new medicines and devices in children. The CFRI is one of eight Trailblazer sites in I-ACT. Trailblazer sites focus on improving clinical trial start-up times, enrollment and patient completion.

## 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 has collected more than 10,000 samples. Researchers have access to DNA samples by submitting a BIG Materials Distribution Request, which are reviewed on a monthly basis.

## CFRI Discussions

CFRI Discussions is a bi-monthly seminar series for UTHSC pediatrics faculty and fellows to present and discuss their research with faculty, staff, fellows and students. Fellows present on the fourth Wednesdays of each month at noon.

# 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 the 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 ventricular assist device (VAD) implantation and management, transplantation and cardio-oncology in partnership with St. Jude Children's Research Hospital.
- Le Bonheur has recently completed an expansion that created a 31-bed dedicated Cardiovascular Unit, adding 10 Cardiovascular Intensive Care Unit beds to the existing 10-bed unit and creating room for an 11-bed stepdown cardiac unit.



## Neuroscience Institute

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 Clinic
- **Cutting-edge imaging technology:** provides comprehensive technology in neurological testing. Le Bonheur was 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:** the highest level for pediatric centers from the National Association of Epilepsy Centers
- **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



# Partnerships and Collaborations

The city of Memphis is home to a wealth of medical expertise with top facilities and programs located in the metro area. Le Bonheur has the opportunity to partner with many of these programs as joint collaborators, providing fellows with unique learning opportunities and giving children the best care.

## St. Jude Children's Research Hospital

Le Bonheur and St. Jude Children's Research Hospital partner closely to provide comprehensive care for children with brain tumors and rare genetic neurologic diseases or experiencing the impacts of cancer treatment. Le Bonheur physicians across a wide range of specialties provide inpatient consultation at St. Jude to care for children undergoing cancer treatment.



### *Pediatric Brain Tumor Program*

Le Bonheur is home to one of the nation's largest pediatric surgical brain tumor programs in partnership with St. Jude Children's Research Hospital, Semmes Murphey Clinic and UTHSC. In 2022, Le Bonheur neurosurgeons performed more than 200 brain tumor surgeries. Brain tumor patients have a collaborative team of pediatric neurosurgeons and neuroradiologists from Le Bonheur and neuro-oncologists and pediatric radiation oncologists at St. Jude. Through Le Bonheur's partnership with St. Jude, children with brain tumors have access to promising new treatments not yet available at other hospitals.



### *Neuroscience Research Consortium*

Le Bonheur's Neuroscience Institute recently partnered with St. Jude and UTHSC to form the Neuroscience Research Consortium consisting of basic research, clinical trials and multispecialty care to rapidly deliver new therapies to children living with genetic neurologic diseases. Basic research is conducted at St. Jude's Center for Pediatric Neurological Disease Research. Clinical trials are conducted through Le Bonheur and St. Jude clinics to bring these basic research discoveries to children through new medications and therapies. Children receive continuous follow-up care for their neurologic condition and related health needs through Le Bonheur's Neuroscience Institute.



### *Cardio-Oncology Program*

Le Bonheur cardiologists provide heart care to inpatients and clinic patients at St. Jude and to children who are in remission from cancer but still suffer long-term effects of chemotherapy. Children and adolescents undergoing cancer treatment are susceptible to premature cardiovascular disease, and Le Bonheur pediatric cardiologists in the cardio-oncology program are specially trained to care for children with chemotherapy-induced cardiomyopathy and heart failure.

## Regional One Health

Regional One Health Medical Center is an acute care hospital providing high quality health care in the Mid-South. Le Bonheur partners with the Sheldon B. Korones Newborn Center at Regional One Health, a 60-bed level III Neonatal Intensive Care Unit (NICU), where neonatal-perinatal fellows and hospital medicine fellows rotate. The newborn center sees more than 1,300 admissions each year and the hospital sees approximately 4,500 deliveries each year. In addition, Le Bonheur provides all pediatric cardiology services for Regional One Health.



## Memphis VA Medical Center

The Memphis VA Medical Center (VAMC) provides health care to veterans in West Tennessee, North Mississippi and Northeast Arkansas. Hospice and palliative medicine fellows complete rotations for adult training at the VAMC. As an affiliate of UTHSC and one of its primary adult teaching hospitals, the VAMC offers quality health care for the changing medical, surgical and quality of life needs of the Mid-South men and women who so proudly served the United States.



## Semmes Murphey Clinic

One of the partners forming Le Bonheur's Neuroscience Institute is Semmes Murphey Clinic. All Le Bonheur neurosurgeons are Semmes Murphey physicians. Semmes Murphey Clinic neurosurgeons are dedicated to providing safe and effective treatments concerning brain tumors, strokes, aneurysms, malformations, movement disorders and more. In 2022, they conducted more than 60 epilepsy surgeries and more than 200 brain tumor surgeries at Le Bonheur.



## Campbell Clinic Orthopaedics

Le Bonheur partners with one of the top orthopaedic teams in the country, Campbell Clinic Orthopaedics, to provide comprehensive orthopaedic care for children. Campbell Clinic has the only team of pediatric orthopaedic surgeons in the Memphis and Mid-South region. These experts treat all pediatric orthopaedic conditions and provide comprehensive spine care.





# Community Services

Le Bonheur's expertise and resources far 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:

- **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 from birth to three years 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
- **Memphis CHiLD:** Le Bonheur's medical-legal partnership that focuses on identifying the legal and social issues that impact patient health and providing the means to address these issues through direct legal services, education and advocacy
- **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, Estate Place:** 860 Estate Place, Suite 3; Memphis, TN, 38119
17. **Le Bonheur Pediatrics - Germantown:** 1255 S. Germantown Road, Germantown, TN, 38138
18. **Le Bonheur Pediatrics - Raleigh:** 3876 New Covington Pike, Memphis, TN, 38128
19. **Le Bonheur Pediatrics - Collierville:** 1458 West Poplar Ave., Suite 201, Collierville, TN, 38017
20. **Le Bonheur Pediatrics - Downtown:** 51 N. Dunlap, Suite 410, Memphis, TN, 38105
21. **Le Bonheur Pediatrics - Ridgeway Loop:** 871 Ridgeway Loop Road, Suite 200, Memphis, TN 38120
22. **Le Bonheur Children's at Jackson-Madison County General Hospital:** 620 Skyline Dr., Jackson, TN, 38301

# New at Le Bonheur

## Critical Care Expansion

To provide the best care for all the children who need us, Le Bonheur has recently completed the largest building expansion since the current hospital opened in 2010. The four-story, \$95.4-million addition allows us to continue a sustainable, long-term growth trajectory.

### The four-story expansion:

- Added 14 new beds to the existing 60-bed Neonatal Intensive Care Unit (NICU), with the ability to grow in the future.
- Added 10 Cardiovascular Intensive Care Unit (CVICU) beds to the existing 10-bed CVICU to allow for the creation of a 31-bed cardiovascular unit with an 11-bed step-down unit.
- Expanded the surgery recovery area with eight new Post-Anesthesia Care Unit (PACU) bays.
- Included a new hybrid magnetic resonance imaging (MRI) and cardiac catheterization lab. Le Bonheur's interventional cardiac MRI suite is the first in Tennessee and is only the eighth in the country.



## Seacrest Studio at Le Bonheur Children's Hospital

The Seacrest Studio at Le Bonheur Children's provides patients and families with opportunities for engagement, exploration, entertainment and education, in an effort to aid in the healing process.

Seacrest Studios are state-of-the-art broadcast media centers located inside select children's hospitals, allowing patients to explore a new world of radio, television and new media while showing them a new realm of possibilities and potential careers.

The 1,275 square foot studio is located prominently in the Event Space on the main lobby level at Le Bonheur. Seacrest Studios are charitable endeavors of the Ryan Seacrest Foundation, founded by radio and television host and producer Ryan Seacrest and his family.

The Seacrest Studio at Le Bonheur Children's is used to provide a variety of programming to patients, whether they are physically in the studio or watching through a closed-circuit network from their rooms. Patients have the opportunity to host their own radio and television shows, play games, watch live musical performances and interview celebrity guests. The studio is encased in glass, allowing staff, patients and visitors to view the daily programming happening inside.



## Le Bonheur Children's at Jackson-Madison County General Hospital

Le Bonheur Children's is committed to providing expert pediatric care to the children of West Tennessee. In 2022, Le Bonheur Children's opened a 21-bed inpatient unit inside Jackson-Madison County General Hospital. Le Bonheur and West Tennessee Healthcare are working together to improve access to expert, specialized pediatric care close to home.



## Le Bonheur Green

Recently, Le Bonheur opened the two-acre interactive outdoor space, Le Bonheur Green. Located in front of the hospital, Le Bonheur Green is designed to bring the therapeutic powers of nature – the sights, sounds and smells of the outdoors – to families, providers and staff and provide a place to gather, relax, share life and escape the emotional challenges of hospitalization.

Le Bonheur Green includes a prayer labyrinth, heart-shaped walking path, front porch gathering space and meditation garden.





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