

FELLOWSHIP PROGRAMS

2023-24



Le Bonheur
Children's Hospital

THE UNIVERSITY OF
TENNESSEE
HEALTH SCIENCE CENTER.

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Welcome

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 13 consecutive years, our 276-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 or (901) 287-5429 for further information.

Sincerely,



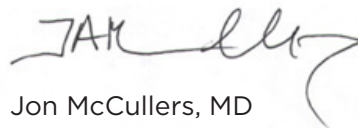
James "Trey" Eubanks, III, MD, FACS
Interim President, Le Bonheur Children's Hospital



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



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



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



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

Fellowship Office Staff



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 Science in Communications, University of Memphis

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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



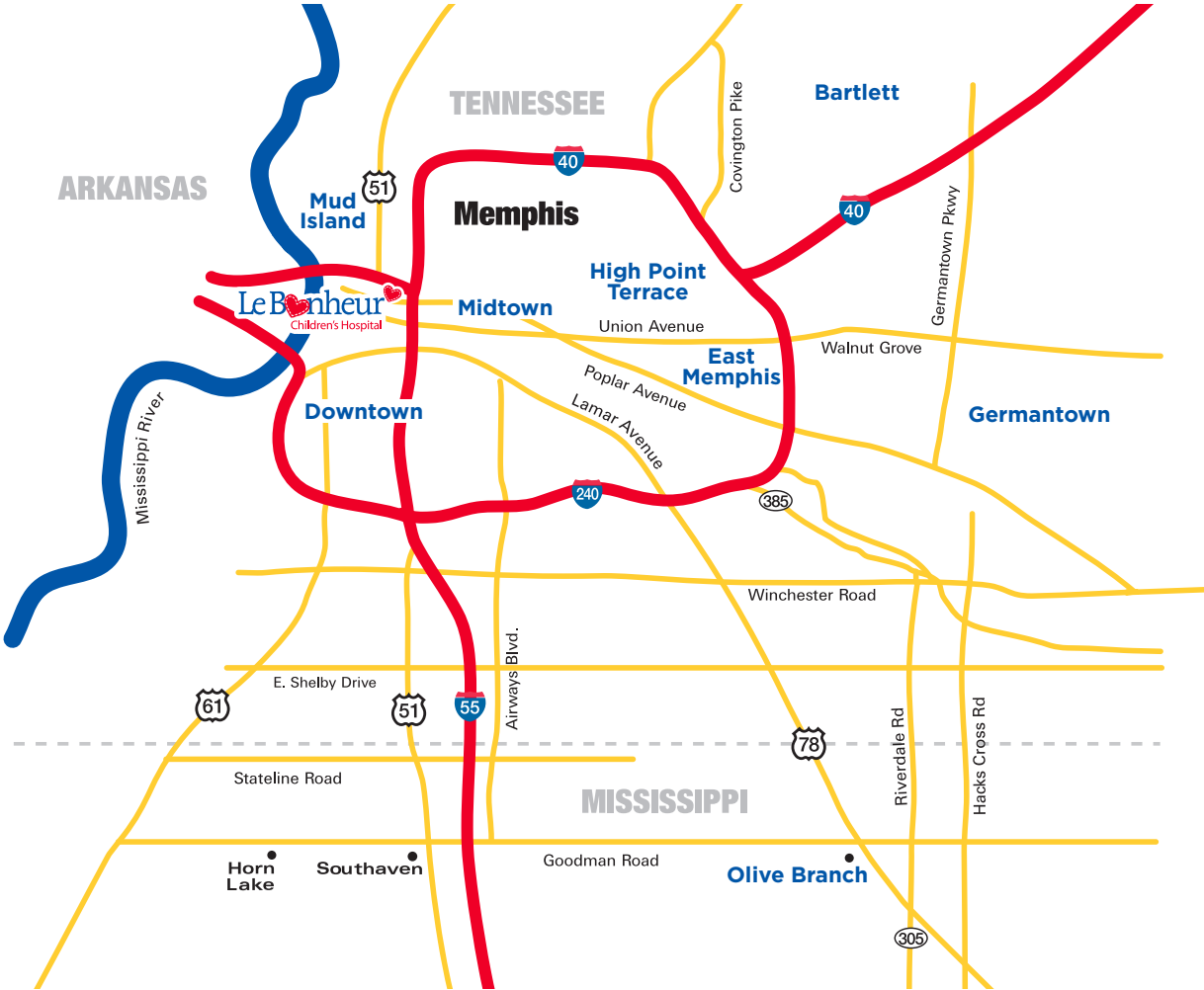
Midtown



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



Gray Canary

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

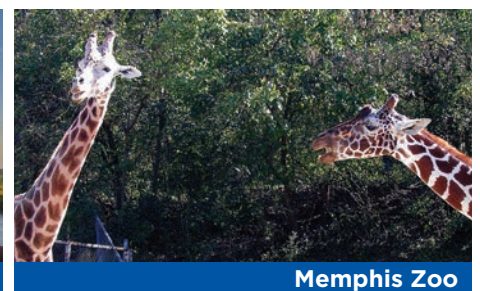
With its location on the Mississippi River, 26 miles of Wolf River Greenway paved trail and 7,000 acres of park space, Memphis is a haven for outdoor enthusiasts. Take in the mighty Mississippi with a walk across Big River Crossing, spend a morning at the 96-acre Memphis Botanic Garden or explore trails,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

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 young child with light hair is sitting on a table, smiling and waving. A healthcare professional wearing glasses and a patterned face mask is sitting across from the child, looking at a large coloring sheet on the table. The sheet features various illustrations and text, including a character named 'Abe's Friend' and a section titled 'Put the alphabet in order'. There are also some containers on the table. The background shows a clinical setting with cabinets and a framed picture on the wall.

Program Overview

Fellowship Office

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

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.

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.

ACGME-Approved Pediatric Fellowship Programs

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

* Administered through other departments

**Administered through St. Jude

***Not currently ACGME approved



2023-2024 Trainee Compensation Rates for ACGME-Accredited Programs

PGY Level	Base Annual	With Disability & Life Benefits
PGY 4	\$65,640	\$66,300
PGY 5	\$68,328	\$68,988
PGY 6	\$70,692	\$71,352
PGY 7	\$73,284	\$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.

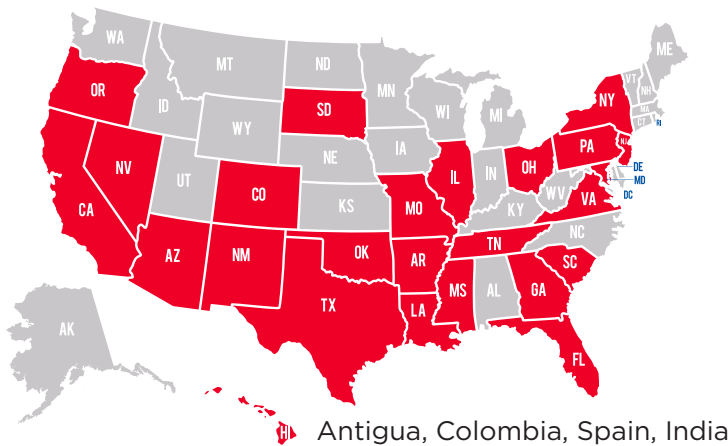
Full list of GME procedures and policies can be found at
<https://uthsc.edu/graduate-medical-education/policies-and-procedures/index.php>

Fellowship Office

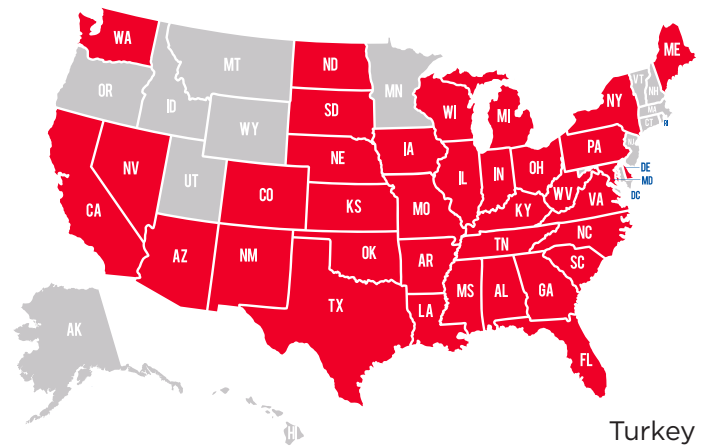
76 total fellows in 2022

21 individual fellowship programs

Where UTHSC Pediatric Fellows completed residencies (2010-2022)



Where UTHSC Pediatric Fellows are hired (2010-2022)



UTHSC Pediatric Fellows' Careers (2022)

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.

COVID-19 and Graduate Medical Education

Like every academic health center in the country, our campus has been impacted by and implemented changes in response to the COVID-19 (SARS-CoV-2) pandemic. Adjustments to policies have been made to provide a safe environment for patients, visitors, providers and staff. All precautions are taken for fellows during their education and as they work inside the hospital. Policies are constantly evaluated as the pandemic develops.

Fellows have been involved in the care of COVID-19 and multisystem inflammatory syndrome in children (MIS-C) patients, volunteered for community efforts to combat COVID-19 and engaged in research related to the virus. Fellows' work related to the COVID-19 pandemic includes:



- Treating patients with COVID-19 and MIS-C
- Educating patients and families on COVID-19, MIS-C and vaccine misconceptions
- Researching acute kidney injury in children with SARS-CoV-2 infection
- Analyzing the effects of the pandemic on pediatric non-accidental trauma (child abuse), including trends of admissions, severity and location, and comparing data with prior years
- Volunteering at the UTHSC COVID-19 public testing site
- Researching COVID-19 vaccination adverse effects and reactions in health care providers to determine if prior COVID-19 infection or close exposure is a predictor of increased systemic side effects after COVID-19 vaccination

For up to date information on how COVID-19 is impacting our hospital and community, visit lebonheur.org/coronavirus and uthsc.edu/coronavirus.

What our Fellows say about our programs:

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

*Natalie Francis, MD
Pulmonology*

"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*

"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

Joshua Fowler, MD

Alex Kingsbury, 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

- Shaunah Ritter - AAAAI and ACAAI Fellow in Training Travel Scholarship
- Venusa Phomakay - ACAAI Fellow in Training Travel Scholarship
- Lisa Biswas - AAAAI and ACAAI Fellow in Training Travel Scholarship
- Alex Kingsbury - ACAAI Fellow in Training Travel Scholarship

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 training program is a medium-sized and growing fellowship program that takes three fellows per year. It is based at Le Bonheur Children's Hospital, the only subspecialty children's hospital within a 100-mile radius. Le Bonheur's cardiothoracic surgical program is one of only 12 programs to receive the highest possible three-star rating from The Society of Thoracic Surgeons (STS). The cardiology program also provides all pediatric cardiology services for St. Jude Children's Research Hospital, a premier research center for pediatric cancer and hematological diseases, and Regional One Health where approximately 4,500 babies are delivered each year. Growth of the cardiology division from seven faculty in 2006 to the current 35 faculty has supported a focus on interventional cardiology, pediatric cardiomyopathy, cardio-oncology, electrophysiology, cardio-genetics and adult congenital heart disease.

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, N.Y.
Fellowship: Morgan Stanley Children's Hospital,
Columbia University Medical Center, N.Y.



Associate Program Director

Jennifer Kramer, MD
Assistant Professor of Pediatrics,
Cardiology and Critical Care
Residency: MedStar Georgetown
University, Washington D.C.
Fellowship: Johns Hopkins Children's
Hospital, Md.



Current Fellows

Cihangir Buyukgoz, MD
Cassandra Campbell, MD
Andrew Corson MD
Monica Lehman, MD
Noah Miller, DO
Sarah Parkerson, MD
Menachem Rimler, MD
Mark Rushing, MD
Christopher Schmitt, MD

Fellowship Coordinator

Cody Hinkley
chinkley@uthsc.edu
901-287-6034

Research Interests

- Extracorporeal Membranous Oxygenation (ECMO) Outcomes in Multisystem Inflammatory Syndrome of Childhood (MIS-C) by Noah Miller; poster presentation at PCICS meeting, Dec. 2022
- Donor Heart Preservation Strategy Using a Cold Storage System for Pediatric Heart Transplantation by Cihangir Buyukgoz, platform presentation at ISHLT annual meeting, April 2023, Denver, CO
- Role of cardio-ankle vascular index as a predictor of left ventricular hypertrophy in children with hypertension by Evan Harvey, poster presentation at Southern Regional Meeting, February 2023, research travel award winner
- Strategies and techniques for percutaneous Venous-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

Critical Care Medicine

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

Program Staff



Program Director

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: University of Tennessee Health Science Center

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

Current Fellows

Ramu Annamalai, DO

Ryan Killebrew, MD

Madeline Lebar, MD

Shyam Popat, MD

Mohammad Sabobeh, MD

Alejandra Sanchez, MD

Kimberly Uchida, MD

Hannah Wendelbo, DO



Fellowship Coordinator

Victoria West, MBA

vwest@uthsc.edu
901.287.5269

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, DC

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

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

Kristen Capito, DO

Erika Cohen, MD

Phillip Frayre, MD

Chelsea Hawthorne, DO

Bertina Loui, DO

Rana Masoud Harhay, DO

Nathan Mulroy, MD

Brittain Robinson, MD

Scott Wisniewski, MD

Fellow Awards

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

Research Interests

- Use of high-dose intranasal fentanyl in the emergency department (ED)
- Early administration of IV magnesium to severe asthma exacerbation decreases the hospital admission rate
- Impact of terbutaline as adjuvant therapy in the treatment of severe acute asthma exacerbation in the pediatric emergency department
- Financial impact of NPO times for sedation in the ED
- FIRE: Firearm injury research
- Bedside ultrasound for confirmation of gastrostomy tube placement
- HIV testing in the ED
- The impact of the COVID-19 pandemic on pediatric non-accidental trauma
- Reducing time to resolution of pediatric diabetic ketoacidosis: Does it help to start insulin early?

Endocrinology

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



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

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



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

Kyle McKeown, MD



Associate Program Director

Lybil Mendoza Alvarez, MD

Assistant Professor of Pediatrics, Gastroenterology

Residency: Nassau University Medical Center

Fellowship: University of Florida College of Medicine



Fellowship Coordinator

Nalisha Brown

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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

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



Program Manager

Rachel Kannady, EdS

St. Jude Children's Research Hospital

Phone: 901-595-2573



Associate Program Director

Nidhi Bhatt, MD

Assistant Member, St. Jude Faculty

Residency: Southern Illinois University

Fellowship: University of Illinois Hospital

Current Fellows

La'Ron Browne, MD
Margaret Cupit-Link, MD
Stephanie Gehle, MD
Vidyasagar Jaiswal, MBBS
Megan Lilley, MD
Ryan Lion, MD
Grace McKay-Corkum, MD
Margit Mikkelsen, MD
Bradley Muller, MD
Sarah Mumanachit, MD

Devin Murphy, DO
Trisha Paul, MD
Katelyn Nichole Purvis, MD
Supriya Sarvode, MD
Jasmine Smith, MD
Alexandra Superdock, MD
Shruthi Suryaprakash, MD
Marleni Regalada
Torres Nunez, MD



Program Coordinator

Toni Pearson, MBA, C-TAGME

toni.pearson@stjude.org

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

Austin Dalgo, MD, MA

Associate Professor of Pediatrics

Internal Medicine-Pediatrics Residency: University of Tennessee Health Science Center

Hospice and Palliative Fellowship: University of Tennessee Health Science Center



Associate Program Director

Arshia Madni, MD

Assistant Professor of Pediatrics

Residency: University of Tennessee Health Science Center

Fellowship: University of Tennessee Health Science Center

Current Fellows

Pediatric Track:

Phoebe Winn, MD

Cory Barrows, DO

Brooke Baldi, MD

Adult Track:

Nadia Khosrodad, MD

Monika Natarajan, MD

Nikita Khetarpal, MD

Fellowship Coordinator

Erica Franklin

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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
- Impact of integrative medicine in patient care
- Communication in difficult decisions

Hospital Medicine

The hospital medicine fellowship program is a two-year fellowship. July 2019 marked the first year of our fellowship program, and we 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

Harrison Luttrell, 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

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

Lisa Hiskey, DO

Ellie Bittle, MD

Hayley Scheerer, MD

Sandra Castejón, MD

Kate Shapiro, 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

901.595.5640

Fellow Awards

- Amanda Green - St. Jude Children's Research Hospital - PIDS Fellowship Award in Basic & Translational Science - 2019
- Afreen Abraham - Best Trainee Abstract Award and Travel Stipend - 4th Annual Infections in Immunocompromised Host Symposium - 2023
- Sandra Castejon - Travel Stipend - 4th Annual Infections in Immunocompromised Host Symposium - 2023
- Ellie Bittle - St. Jude Ovation Award - 2023
- Melissa Shenep - St. Jude Ovation Award - 2023

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 60-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

Chad Pinkard, DO

Edson Ruiz, MD

Fellowship Coordinator

Amy Pintchuck

901.448.1078

apintchu@uthsc.edu

Fellow Publications

- Effect of prenatal marijuana exposure on sleep wake cycles and amplitude-integrated electroencephalogram (aEEG). Pollack R, Rana D, Purvis J, Pollard L, Pourcyrous M. J Perinatol. 2021 Jan 18.
- The effects of sodium bicarbonate infusion on cerebrovascular function in newborn pigs. Chilakala SK, Parfenova H, Pourcyrou M. Pediatr Res. 2021 Dec 3. doi: 10.1038/s41390-021-01876-x
- Rare Presentation of Limb-Body Wall Complex in a Neonate: Case Report and Review of Literature. Adeleke O, Gill F, Krishnan R. AJP Rep. 2022 Mar 7;12(1):e108-e112. doi: 10.1055/s-0042-1744215. eCollection 2022 Jan.
- 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; Elmufiti H, Talati AJ, Elabiad, MT E-PAS 2023: 169.331, April, 2023

Research Interests

Basic Science:

- Fetal kidney injury and maternal antibiotics (mice)
- Cerebral circulation in the premature (piglets)

Clinical:

- Neonatal abstinence syndrome
- Nutrition in the premature infant
- Blood transfusions and organ injury
- Markers of intestinal injury

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 Tuberos 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

Arwa Nada, MD, MSc

Associate Professor of Pediatrics, Nephrology

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

Fellowship: Nationwide Children's Hospital, Ohio State University

Current Fellows

Vinson James, 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

Addison Durham, DO

Connor Gatewood, MD

Brittany Gerald, MD

Max Goodsell, DO

Makenzie Myers, MD

Samantha Parkhurst, MD

Sapna Shah, MD

Winston Wolters, MD

Lindsay Wise, MD

Morgan Young, DO

Residency Program Coordinator

Bethany Brashier, Notary Public, CAP

Program Manager,

Child Neurology, Endocrinology, Infectious Diseases, Rheumatology

bethany.brashier@uthsc.edu

901.448.6605

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

Psychiatry

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



Program Director

Andres A. Ramos H., MD

Assistant Professor of Psychiatry

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

Current Fellows

Adam Chan, MD

Ian Michalak, 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

mnl185@uthsc.edu

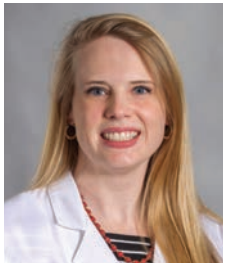
Research Interests

- 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

Catherine Donnellan Sanders, MD

Assistant Professor of Pediatrics, Pulmonology

Residency: University of Tennessee Health Science Center

Fellowship: University of North Carolina - Chapel Hill

Current Fellows

Jared Hogan, MD

Aimee Robinson, MD

Mallory Walsh, MD



Associate Program Director

Nour Akil, MD

Assistant Professor of Pediatrics, Pulmonology

Residency: University of Iowa Hospitals and Clinics

Fellowship: University of Iowa Hospitals and Clinics, University of North Carolina - Chapel Hill



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

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



Program Director

Anand Dorai Raju, MD

Assistant Professor of Radiology

Residency: Ramaiah Medical College and Teaching Hospital, Bangalore

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

Sleep Medicine

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



Program Director

Rabin Shrestha, MD

Assistant Professor of Medicine, Pulmonary Critical Care and Sleep Medicine

Residency: Internal Medicine, Robert Packer Hospital in Sayre, PA

Fellowship: Pulmonary Critical Care, University of Tennessee Health Science Center in Memphis, TN
Sleep Medicine, University of Tennessee Health Science Center in Memphis, TN

Current Fellows

Shahnoor Hussain, DO

Ariel Long, DO



Fellowship Contact Information

Taylor Robertson

trober53@uthsc.edu.

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

Akshita (Jade) Kumar, MD



Associate Program Director

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

Associate Professor of Surgery, Pediatrics

Residency: University of California

Fellowship: The Hospital for Sick Children (Toronto, Canada)



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

Associate Professor of Surgery, Pediatrics

Residency: University of California

Fellowship: Pediatric Surgery, The Hospital for Sick Children



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

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



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



A large, modern multi-story hospital building with a grid of windows and a prominent sign on the roof. 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

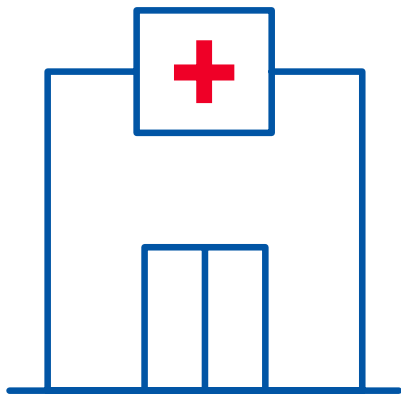
2,900 employees

750 medical staff
members

45 pediatric
specialties

276 beds 

2,500 intensive care patients per year



85,000
emergency
department
visits per year

418,000 outpatient visits
per year

14,000
hospital inpatients per year



13,000
surgeries performed
per year

Awards

- *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



FAQ

How was Le Bonheur founded?

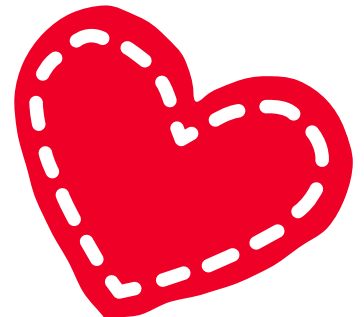
Le Bonheur's charitable roots date back to 1923 when a sewing circle under the name "Le Bonheur Club," began making clothes for underprivileged children living at Leath Orphanage in Memphis. Soon, the Club began attending to the health care needs of children in the orphanage. In 1944, when the Pediatric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

- Making Cast Saws Safer: Kyle Miller, MD
- Wake Up Safe: James Bradley, MD
- Improving Care for Adolescents with Type 2 Diabetes: Susan Steppe
- Sign-Out Report to Improve Outcomes: Pilar Anton-Martin, MD
- SANE Room: Kelsey Harris
- Reducing Fatigue Overnight in the Emergency Department: Brent Lavey, MD
- Forging New Interventions for Coping: Kayla Black
- Le Bonheur Referrals Revamp: Tristin Saravia
- Optimization of Oro-Facial Cleft Feeding: Rosemary Stocks, MD
- Preventing Unplanned Extubation in the NICU: Michelle Credeur

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.





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. Le Bonheur and UTHSC recently signed an agreement with a leading biotechnology company to obtain genetic information from 25,000 DNA samples in the next five years with the option to increase that number to 100,000.

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.

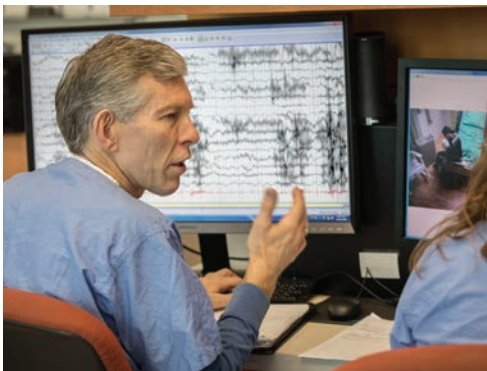
- The Heart Institute's state-of-the-art hybrid catheterization lab is where the procedure for percutaneous closure of PDAs in premature neonates was pioneered.
- The Heart Failure Program includes ventricular assist device (VAD) implantation and management, transplantation and cardio-oncology in partnership with St. Jude Children's Research Hospital.



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



Diversity, Equity and Inclusion

Le Bonheur Children's Hospital and the University of Tennessee Health Science Center are committed to developing a culture of equity, diversity and inclusivity among physicians, providers and staff. Both institutions actively educate on the impact of discrimination and bias in the workplace and provide a safe place for sharing, learning and holding critical conversations. Our shared aim is to create a diverse and equitable workplace and inclusive environment for the care of patients and families.

Le Bonheur Diversity, Equity and Inclusion Steering Committee



Le Bonheur's Diversity Equity and Inclusion Committee supports staff and providers across all aspects of diversity to ensure an environment of inclusivity that provides the best care for patients, families and our community. The committee was formed in response to overwhelming evidence of the inequities that exist in society and the manner in which these affect care and caregivers. The following are some of the committee's efforts to date:

- The committee surveyed the needs of 255 leaders to assess their comfort level regarding various topics around racism. Preliminary results found a need for more education on microaggressions, cultural humility, intersectionality, allyship and implicit/explicit bias.
- Le Bonheur's Senior Leadership Team collectively visited the National Civil Rights Museum with a guided tour, followed by an opportunity for reflection and feedback.
- The committee engaged in facilitated training with New Memphis Institute. The workshop series focused on exercises on unconscious bias, self-perception and confirmation bias. The committee is exploring how these topics impact them as individuals and how they apply to Le Bonheur as an entity.

The University of Tennessee Health Science Center Department of Pediatrics Diversity and Inclusion Committee



The University of Tennessee Health Science Center (UTHSC) Department of Pediatrics Diversity and Inclusion Committee was created to promote a departmental culture of respect, equity and inclusion for all trainees regardless of race, ethnicity, country of origin, culture, religion, gender identity, sex, sexual orientation, age, pregnancy status, able-bodiedness and covered veteran status. A culture of inclusion is an imperative feature of a safe and nurturing learning environment that allows all trainees to thrive and become culturally sensitive physicians and community advocates. In addition, the committee fully supports the pediatric department's commitment to solving children's health issues and eliminating disparities in the community.

This committee serves as an advisory board to UTHSC Department of Pediatrics to:

- Develop initiatives and programs to recruit, educate, empower and retain individuals from historically-marginalized communities.
- Offer training opportunities and implement additional curricula about cultural humility, social advocacy and health equity for faculty, residents and staff.
- Develop a safe and anonymous system for residents, faculty and staff to report instances of bias, microaggressions and any other racially or culturally insensitive issues.
- Enhance mentorship and support resources for individuals from historically-marginalized communities.

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 2021, Le Bonheur neurosurgeons performed more than 160 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 2020, they conducted more than 60 epilepsy surgeries and more than 150 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, Kronenberg, Tsiu, Eiseman:** 920 Estate Drive, Suite 3; Memphis, TN, 38119
17. **Memphis Pediatrics:** 1255 S. Germantown Road, Germantown, TN, 38138
18. **Pediatric Associates:** 3876 New Covington Pike, Memphis, TN, 38128
19. **Pediatric Consultants - Collierville:** 1458 West Poplar Ave., Suite 201, Collierville, TN, 38017
20. **Pediatric Consultants - Downtown Memphis:** 51 N. Dunlap, Suite 410, Memphis, TN, 38105
21. **Pediatric Consultants - East Memphis:** 6215 Humphreys Boulevard, Suite 200, Memphis, TN, 38120
22. **Le Bonheur Children's at Jackson-Madison County General Hospital:** 620 Skyline Dr., Jackson, TN, 38301

We're Growing Again!

Le Bonheur Children's Hospital

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

The four-story expansion will:

- Add 14 new beds to the existing 60-bed Neonatal Intensive Care Unit (NICU), with the ability to grow in the future.
- Add 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.
- Add a new MRI-guided cardiac catheterization lab for a total of three catheterization labs.
- Expand the surgery recovery area with eight new Post-Anesthesia Care Unit (PACU) bays.
- Convert 12 beds to critical care to meet current demands.

The expansion is scheduled for completion in 2024.



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.

