

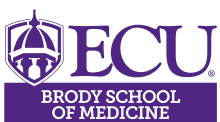
# TATE HOLBROOK ANNUAL SICKLE CELL DISEASE UPDATE



**September 30, 2022**

**East Carolina® Heart Institute  
115 Heart Drive  
Greenville, NC**

Jointly Provided by: ECU Comprehensive Sickle Cell Program, The Department of Pediatrics, Division of Hematology/  
Oncology, and Continuing Medical Education of the Brody School of Medicine at East Carolina University®,  
The Department of Nursing and Allied Health Education at Eastern AHEC in association with  
Eastern Area Health Education Center



[www.easternahec.net](http://www.easternahec.net)



# Overview

The inaugural Tate Holbrook Annual Sickle Cell Disease Update is hosted by East Carolina University's Comprehensive Sickle Cell Program and the Department of Pediatrics Hematology/Oncology. Dr. Holbrook is a pediatric hematologist who founded the Comprehensive Sickle Cell Disease Program at East Carolina University in 1999. He has recently retired from practicing pediatrics, but his legacy continues in our department.

At ECU, the concept of comprehensive care is interpreted broadly. We believe in providing state of the art medical care for patients, including education of families and health care providers, psychosocial support to patients, families and community groups, and access to new and innovative therapies. We strive to have a close working relationship with other agencies involved in the care of individuals with hemoglobinopathies (medical centers, community-based sickle cell programs, and the NC Sickle Cell Syndrome Program).

The goal of this conference is to bring together medical professionals and patients to bridge the gap of communication and to improve treatment for patients with sickle cell disease. To meet this goal professionals with extensive knowledge and recognition in the sickle cell community will be discussing: The latest advances in sickle cell disease, cutting edge research, established and new medications and therapies, as well as psychosocial interventions. We want to encourage further discussion between providers and patients to create an environment which focuses on patient needs.

## Who Should Attend

This conference has been planned for Physicians, Nurse Practitioners, Physician Assistants, Registered Nurses and other health care providers involved in care of hematology patients.

## Objectives

Upon completion of the knowledge-based program, the participant should be able to integrate new developments in the following areas into practice.

### History of the ECU Sickle Cell Program

- Discuss the History of the ECU Sickle Cell Program and Its Impact on Eastern NC

### Living with Sickle Cell: How Warriors Can Arm Themselves with Knowledge to Pursue their Biggest Ambitions

- Identify the factors that may trigger a sickle cell crisis
- Demonstrate ways to support self-management of sickle cell disease
- Discuss the overall impact of sickle cell disease on a patient's educational and professional opportunities

### State Updates from the Sickle Cell Office

- Explain the history of the NC Sickle Cell Syndrome Program and its role in improving client and patient outcomes, and program services offered
- Identify Educator Counselors that service eastern North Carolina
- Discuss service delivery during the COVID-19 pandemic and lessons learned
- Review data points on sickle cell disease in NC and services by the NCSCSP

### Patient/Provider Panel and Q&A

- Interact with patients and providers on important sickle cell issues and challenges through reflection and discussion

### Designing Pain Management for Diverse Populations: Bridging the Health Care Disparities Gap

- Discuss the barriers to implementing behavioral healthcare and pain treatment among underserved populations and in under resourced setting
- Identify some strategies for implementing digital pain management with a racial minority patient population
- Describe key components of an evidence-based digital cognitive behavioral therapy program and what makes these programs effective

### Medications to Prevent Complications for Sickle Cell Disease

- Review the pathophysiology of SCD
- Discuss the conventional therapies in SCD
- Discuss novel therapies in SCD to prevent vaso-occlusive crisis
- Learn about how to evaluate SCD in the future

### Guess Who's In The Waiting Room?

#### Born Into Pain: The History and Psychosocial Impacts of SCD

- Discuss the early days of obscurity before sickle cell's 'discovery'
- Describe the rise to clinical, scientific, and social prominence to its politicization to its current money maker
- Identify at least 3 historical facts about SCD
- Identify at least 3 of the psychosocial impacts of SCD

#### Natural History of Sickle Cell Disease-Related Glomerulopathy: Implications for Therapy

- Appreciate the high prevalence of chronic kidney disease in patients with sickle cell disease (SCD)
- Recognize the rapid rate of decline in kidney function in individuals with SCD
- Discuss current and experimental approaches to treatment of SCD-related kidney disease

# Agenda

- 8:30 a.m. **Check-In and Breakfast**
- 9:00 a.m. **Welcome & Overview**  
Beng Fuh, MD
- 9:10 a.m. **History of ECU Sickle Cell Program**  
Tate Holbrook, MD
- 9:20 a.m. **Keynote**  
**Living with Sickle Cell:**  
**How Warriors Can Arm Themselves with Knowledge to Pursue their Biggest Ambitions**  
Wayne A. I. Frederick, MD
- 10:05 a.m. **State Updates from the Sickle Cell Office**  
Justin Calhoun, BA
- 10:30 a.m. **Break**
- 10:45 a.m. **Patient /Provider Panel and Q&A**  
Moderator: Calvin Bradley, Jr. , M.Div, MS, BCC, HEC-C  
Sarah Leonard, MD; Charles Knupp, MD; Chelsea Rivenbark, FNP-C
- 11:45 a.m. **Lunch**
- 12:45 p.m. **Transition**
- 1:00 p.m. **Designing Pain Management for Diverse Populations:**  
**Bridging the health Care Disparities Gap**  
Charles Jonassaint, PhD, MHS
- 1:45 p.m. **Transition**
- 2:00 p.m. **Medications to Prevent Complications for Sickle Cell Disease**  
Julie Kanter, MD
- 2:45 p.m. **Break and Transition**
- 3:00 p.m. **Guess Who's in the Waiting Room?**  
**Born Into Pain: The History and Psychosocial Impacts of SCD**  
Carolyn Rowley, Ph.D
- 3:45 p.m. **Transition**
- 4:00 p.m. **Natural History of Sickle Cell Disease-Related Glomerulopathy:**  
**Implications for Therapy**  
Kenneth Ataga, MD
- 4:45 p.m. **Wrap Up and Q&A**
- 5:00 p.m. **Adjourn**

# Faculty

## Program Director

### **Beng Fuh, MD**

Professor

Department of Pediatrics

Pediatric Hematology/Oncology

## Guest Faculty

### **Kenneth Ataga, MD**

Plough Foundation Endowed Chair in Sickle Cell Disease

Professor of Medicine and Pediatrics

Director, UTHSC Center for Sickle Cell Disease

### **Calvin Bradley, Jr., M.Div, MS, BCC, HEC-C**

Certified Family Life Educator (CFLE)

Board Certified Chaplain (BCC),

Healthcare Ethics Consultant (HEC-C)

Conflict Resolution Specialist

ECU Health

### **Justin Calhoun, BA**

NC Department of Health and Human Services

Infant and Community Health Branch

Program Supervisor

NC Sickle Cell Syndrome Program

### **Wayne A. I. Frederick, MD, MBA**

Charles R Drew Professor of Surgery

President

Howard University

### **Tate Holbrook, MD**

Retired Pediatric Hematologist

### **Charles Jonassaint, PhD, MHS**

Assistant Professor of Medicine, Social Work and  
Bioinformatics

University of Pittsburgh School of Medicine

### **Julie Kanter, MD**

Director, UAB Adult Sickle Cell Program

Associate Professor of Medicine

University of Alabama Medicine

Division of Hematology and Oncology

The University of Alabama at Birmingham

### **Carolyn Rowley, Ph.D**

Founder and Executive Director

Cayenne Wellness Center and Children's Foundation

Sickle Cell Disease Education and Awareness

Glendale, California

## Brody School of Medicine Faculty

### **Charles Knupp, MD**

Professor

Department of Internal Medicine

Division of Hematology and Oncology

### **Sarah Leonard, MD, MPH**

Associate Professor

Department of Pediatrics

Pediatric Hematology/Oncology

### **Chelsea Rivenbark, FNP-C**

Department of Pediatrics

Pediatric Hematology/Oncology

# Credit

## **Accreditation:**

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Brody School of Medicine at East Carolina University and ECU Comprehensive Sickle Cell Program, The Department of Pediatrics, Division of Hematology/Oncology, The Department of Nursing and Allied Health Education at Eastern AHEC in association with the Eastern Area Health Education Center. The Brody School of Medicine at East Carolina University is accredited by the ACCME to provide continuing medical education for physicians.

## **Credit:**

The Brody School of Medicine at East Carolina University designates this live activity for a maximum of 5.5 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## **Nursing Credit: 5.5 Nursing Contact Hours, 2.25 of which are Pharmacotherapeutic content**

Eastern AHEC Department of Nursing and Allied Health Education is approved as a provider of nursing continuing professional development by the North Carolina Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Participants must attend the entire program in order to earn contact hour credit. Verification of participation will be noted by check-in at the start of the program and initial-out at the conclusion of the program.

Certificates will be awarded after the participant completes the evaluation.

## **CME for Physician Assistants**

AAPA accepts certificate of participation for educational activities certified for *AMA PRA Category 1 Credit(s)*<sup>TM</sup> from organizations accredited by ACCME or a recognized state medical society. Physician Assistants may receive a maximum of 5.5 hours of Category 1 credit for completing this program.

## **Eastern AHEC Contact Hours:**

5.5 EAHEC Contact Hours.

This activity is designated for 5.5 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>.

# Registration Information

Registration is online only at [www.easternahec.net](http://www.easternahec.net) and requires a current MyAHEC account. Registration will close the day before the program at 12:00 p.m.

**PREREGISTRATION AND FEE PAYMENT IS REQUIRED.** Advance payment of fee is necessary to guarantee space. Registration fee includes educational sessions, breaks, lunch, and an e-syllabus. Registrations can be completed on-line at [www.ecu.edu/cme](http://www.ecu.edu/cme).

## Registration Fee:

|                          |       |
|--------------------------|-------|
| MD, DO                   | \$100 |
| Healthcare Professionals | \$75  |
| Students                 | \$25  |

## NC AHEC Photo Policy

*Attendance at this activity grants permission for Eastern AHEC to use any photographs, audio, video, or other images from this activity for promotional or educational purposes. Please notify an AHEC staff member if you have concerns.*

## COVID-19 Seating Statement

Conference seating will be limited based on NC public health guidelines for gatherings to continue to slow the spread of COVID-19. Additional guidance for attending the conference will be emailed to you one week prior to the conference. More information will be posted to the Eastern AHEC website.

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# Eastern AHEC Cancellation Policy

- Cancellations must be in writing ([easternahec@ecu.edu](mailto:easternahec@ecu.edu)).
- Registrants canceling between two weeks and two full business days prior to the first day of the event are refunded at 70% of the registration fee subject to a minimum \$25 cancellation fee.
- No refunds or credits will be given for cancellations received less than two full business days prior to the event.
- Cancellations greater than two weeks prior to the event will receive 100% refund.
- No vouchers will be issued in lieu of a refund.
- Transfers/substitute(s) welcome (notify in advance of the program).

# Handouts and Evaluations

Handouts will be available online only. One week prior to the program, registrants will receive a confirmation email with instructions to access handouts along with other program information.

Evaluations will be emailed after the program. Once the evaluation has been completed, your certificate will be available.

# Americans with Disabilities Act



Individuals requesting accommodation under the Americans with Disabilities Act (ADA) should contact the ADA coordinator at least five days prior to the event at 252-737-1018 / [ada-coordinator@ecu.edu](mailto:ada-coordinator@ecu.edu).

Please be sure to bring a sweater or jacket for your comfort throughout the symposium.

For further assistance, please call Angie Campbell at **252.744.5208** or email at [mcarthura@ecu.edu](mailto:mcarthura@ecu.edu).