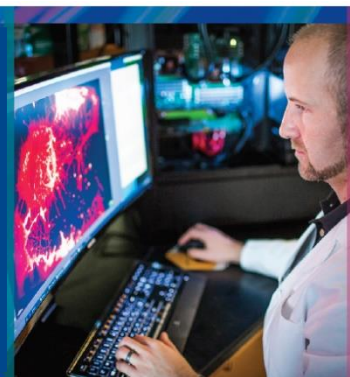




# SOUTHEAST REGIONAL CLINICAL & TRANSLATIONAL SCIENCE CONFERENCE



March 5-7, 2025

Callaway Resort and Gardens

<b>Wednesday, March 5</b>		
<b>Time</b>	<b>Agenda Item/Topic</b>	<b>Speaker/Presenter</b>
12:00 pm	<b>Registration Opens</b> <i>Boxed lunches available in Longleaf Pre-function.</i>	
<b>General Session I</b> <b>Moderator: W. Robert Taylor, MD, PhD, Contact PI, Georgia CTSA</b> <b>Longleaf Ballroom ABCD</b>		
1:00 pm	<b>Welcome &amp; Overview of Conference</b>	
1:15 pm	<b>Featured Talk:</b> Advanced Therapeutics - Translational Science in Cell and Gene Therapy	<b>Duane Mitchell, MD, PhD</b> Phyllis Kottler Friedman Professor Department of Neurosurgery Assistant Vice President for Research Associate Dean, Clinical and Translational Sciences Director, Clinical Translational Science Institute University of Florida
1:45 pm	<b>Featured Talk:</b> Rural Health: Why It Matters for All of Us	<b>Sandra L. Wong, MD, MS</b> Dean Emory University School of Medicine Chief Academic Officer, Emory Healthcare
2:15 pm	Influential Scholarship: Clinical and Translational Science Trainees at the Intersection of Academic Impact and Public Attention	<b>Eric Nehl, PhD</b> Associate Research Professor Department of Behavioral, Social, and Health Education Sciences Rollins School of Public Health Director, Evaluation and Continuous Improvement Georgia Clinical & Translational Science Alliance Emory University

2:30 pm	<b>Featured Talk:</b> Bench to Bedside Journeys in Translational Science	<p><b>W. Robert Taylor, MD, PhD</b> Professor Department of Medicine and Biomedical Engineering Marcus Chair, Vascular Medicine Director of the Division of Cardiology Emory University</p> <p><b>Andrés J. García, PhD, FBSE</b> Executive Director, Parker H. Petit Institute for Bioengineering and Bioscience Petit Director's Chair in Bioengineering and Bioscience Regents' Professor, George W. Woodruff School of Mechanical Engineering Georgia Institute of Technology</p>
3:15 – 3:30 pm	Break	

<b>General Session II</b> <b>Moderator: Andrés Garcia, PhD, PI, Georgia CTSA</b> <b>Longleaf Ballroom ABCD</b>		
3:30 pm	A Smart Sock-Based Remote Monitoring System to Assess the Progression of Clinical Disability and Fatigue in People with Multiple Sclerosis	<p><b>Julie F. Stowell, PT, MS, DPT</b> Clinical Physical Therapist and MS Research Fellow Eula C. and Andrew C. Carlos Multiple Sclerosis (MS) Rehabilitation and Wellness Program, Shepherd Center Georgia State University</p>
3:45 pm	Nebulized Racemic Epinephrine: Dosing Efficacy of 0.5 mL vs 1.0 mL in Croup	<p><b>Austin Chan, MD</b> Assistant Professor Department of Medicine Morehouse School of Medicine</p>
4:00 pm	<b>Featured Talk:</b> Targeting Molecular Fingerprints of Cancer With mRNA Therapeutics	<p><b>Elias Sayour, MD, PhD</b> Bonnie R. Freeman Professor Pediatric Oncology Research Assistant Dean for Clinical Research University of Florida</p>
4:45 – 5:00 pm	Break	
5:00 – 6:30 PM	<b>Poster Viewing &amp; Judging I</b> <i>Longleaf</i>	
6:00 – 6:30 pm	<b>Networking Reception</b> <i>Longleaf and Loblolly Pre-Functions</i>	
6:30 – 8:00 pm	<b>Dinner Buffet</b> <i>Loblolly Ballroom and Cypress Conference Room A &amp; B</i>	

7:30 – 8:30 pm	<p><b>Trainee Career Development: The Art of Negotiating</b>  <i>Sourwood Room 4 &amp; 5</i></p> <p><b>Lillian T. Eby, PhD: Moderator</b>  Distinguished Research Professor  Department of Psychology  University of Georgia</p> <p><b>Kathy Griendling, PhD: Moderator</b>  R. Wayne Alexander Professor  Department of Medicine  Executive Associate Dean for Faculty Academic Affairs and Professional Development  Emory University</p> <p><b>Suhrud Rajguru, PhD (Panelist)</b>  Professor  Department of Biomedical Engineering and Otolaryngology  Assistant Vice Provost for Research Workforce Development  Director, CTSI Workforce Development  Co-Director, Institute for Neural Engineering  University of Miami</p> <p><b>Molly Wasko, PhD (Panelist)</b>  University Professor and Associate Dean  Department of Management, Information Systems and Quantitative Methods  Program Director, NSF I-Corps (IPA)  University of Alabama at Birmingham</p> <p><b>Marisa Young, MD (Panelist)</b>  Assistant Professor  Department of Gynecology and Obstetrics  Emory University</p>
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## Thursday, March 6

Time	Agenda Item/Topic	Speaker/Presenter
7:30 – 8:30 am	<b>Breakfast and Networking</b> <i>Longleaf Pre-function</i>	
8:30 – 10:00 am	<b>Concurrent Breakout Sessions</b> <i>See below for specific information.</i>	

<b>Concurrent Session I: Healthy Communities</b> <b>Moderator: Sylvie Naar, PhD, PI, UF CTSI</b> <b>Longleaf Ballroom AB</b>		
8:30 am	<b>Featured Talk:</b> Medicine at the Intersection of Health Systems, Laws, and Policies	<b>Qasim Hussaini, MD, MS</b> Assistant Professor of Medicine O’Neal Comprehensive Cancer Center University of Alabama at Birmingham
9:00 am	Enhancing Clinical Research Recruitment through EHR-Integrated Patient Portals	<b>Megan Schwinne, MPH</b> Data Analyst Department of Biomedical Informatics Emory University School of Medicine
9:15 am	Building and Sustaining Restorative Community Trust and Engagement: The Co-Researcher Activation Network	<b>Christy J.W. Ledford, PhD, FACH</b> Professor and Vice Chair of Research Curtis G. Hames, MD, Distinguished Chair Department of Family and Community Medicine Medical College of Georgia Augusta University
9:30 am	Association of Food Attainment and Mental Healthcare Access During COVID-19	<b>Jocelyn E. Jarvis, BS</b> PhD Student Department of Behavioral and Community Sciences University of South Florida  <b>Sierra Tentis, MPH</b> PhD Student Department of Behavioral and Community Sciences University of South Florida
9:45 am	Exploring the Role of Age as a Mediating Variable in Pandemic Behavior Change: The Moderating Effect of Health-Related Concerns on Behavioral Influencers Among Mississippians	<b>Shabnam Naher</b> Doctoral Candidate Department of Community Medicine & Population Health University of Alabama

<b>Concurrent Session II: Artificial Intelligence and Data Science</b>		
<b>Moderator: Elizabeth Shenkman, PhD, PI, UF CTSI</b>		
<b>Longleaf Ballroom CD</b>		
8:30 am	<b>Featured Talk:</b> Augmenting Public Health Surveillance with AI and FHIR	<b>Jon Duke, MD</b> Principal Research Scientist School of Interactive Computing College of Computing Director, Center for Health Analytics and Informatics Georgia Institute of Technology
9:00 am	Predicting 30-, 60-, and 90-Day Heart Failure Readmissions Using Local EHR Data from a Major Urban Hospital: A Machine Learning Approach	<b>Melvin R. Echols, MD, MSCR, FACC, FASPC, FHSA</b> Associate Professor of Medicine Associate Director, Cardiovascular Research Institute (CVRI) Morehouse School of Medicine
9:15 am	A Deep Embedding Approach for Clustering Blood Pressure Trajectories to Identify Hypertensive Disorders of Pregnancy	<b>Sepideh Nikookar, PhD</b> Postdoctoral Research Fellow Department of Biomedical Informatics Emory University School of Medicine
9:30 am	Using a Large Language Model to Create Lay Summaries of Clinical Study Descriptions	<b>Farshad Sadr, MS</b> Data Scientist UHealth Information Technology University of Miami
9:45 am	Revealing the Scarcity of AI/ML-Enabled Medical Devices for Children	<b>Greg Zapotoczny, PhD, MS Reg</b> Assistant Professor Department of Pediatrics Northwestern University Stanley Manne Children's Research Institute Ann and Robert H. Lurie Children's Hospital of Chicago

<b>Concurrent Session III: Neuroscience and Brain Health</b>		
<b>Moderator: Duane Mitchell, MD, PhD, PI, UF CTSI</b>		
<b>Longleaf Ballroom AB</b>		
8:30 am	<b>Featured Talk:</b> Food, Mood, and Brain Health: GLP-1 Receptors are a Target for Reward System Related Disorders	<b>Gregg D. Stanwood, PhD</b> Professor Department of Biomedical Sciences Co-Director, Bioecological Center for Rural Children's Health Florida State University College of Medicine
9:00 am	Classifying Schizophrenia Patients and Healthy Individuals via Whole Brain SPECT Functional Connectivity	<b>Amritha Harikumar, MA</b> Doctoral Student Department of Psychology Brains and Behavior Fellow Cognitive and Affective Neuroscience Georgia State University

9:15 am	A Novel Co-Therapy for Motor Symptoms Associated with Parkinson's Disease: Demonstrating Modulation of the Dopaminergic Signaling Pathway by PDE9i in Parkinsonian Rodents	<b>Claire E. Zegger, BS</b> Pre-Medical Student Department of Quantitative Sciences & Anthropology Emory University
9:30 am	Characterizing Brain Health in Central Alabama	<b>Catherine Danielle Jones, PhD, MSPH</b> Post Doctoral Fellow Department of Neurology University of Alabama at Birmingham School of Medicine
9:45 am	Exploring the Therapeutic Potential of Phenotypically Modulated Microglial Exosomes in CNS Trauma	<b>Mousumi Ghosh, PhD</b> Research Associate Professor Department of Neurological Surgery University of Miami

10:00 – 10:15 am	Break
10:15 – 11:30 am	<b>Poster Viewing &amp; Judging II</b> Longleaf E
11:30 – 12:30 pm	<b>Networking Lunch</b>

12:30 – 2:00 pm	<b>Concurrent Breakout Sessions</b> <i>See below for specific information.</i>
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<b>Concurrent Session IV: Health Services Delivery</b> <b>Moderator: Kathleen T. Brady, MD, PhD, PI, MUSC SCTR</b> <b>Cypress Conference Room A &amp; B</b>		
12:30 pm	<b>Featured Talk:</b> Applying Implementation Science Principles to Telehealth Evaluation	<b>Dee W. Ford, MD, MSCR</b> Professor Department of Medicine Division Director, Pulmonary, Critical Care, Allergy, and Sleep Medicine Program Director, National Telehealth Center of Excellence Medical University of South Carolina
1:00 pm	Identifying Regions that are Vulnerable to Obstetric Unit Closures in Georgia Using Mathematical Optimization	<b>Meghan Meredith, BS</b> Graduate Student Stewart School of Industrial and Systems Engineering Georgia Institute of Technology
1:15 pm	Enhancing HIV Screening in Pediatric Emergency Departments: A Call for Expanded Resources	<b>Mark A. Griffiths, MD</b> Associate Professor Pediatric Emergency Medicine Physician Department of Pediatrics Children's Healthcare of Atlanta Emory University
1:30 pm	Reaching Rural: UGA Extension Agents as Clinical Research Connectors	<b>Courtney Brown, PhD, RDN</b> Community Health Engagement Coordinator UGA Extension Department of Family and Consumer Sciences University of Georgia

1:45 pm	The Baby Navigator Platform: Enhancing Early Identification of Communication Disorders and Autism	<b>Kristy A. Anderson, PhD, MSW</b> Assistant Professor College of Social Work Florida State University
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**Concurrent Session V: Infectious Disease: From Basic Science to Clinical Outcomes**  
**Moderator: Henry Blumberg, MD, PI, Georgia CTSA**  
**Longleaf Ballroom CD**

12:30 pm	<b>Featured Talk:</b>	University of Miami
1:00 pm	Housing Status and HIV Outcomes Among Reproductive-Age Women Living with HIV in the Southern US	<b>Shreya Ganguly, BA</b> Medical Student Emory University School of Medicine
1:15 pm	Matrix Metalloproteinase-8 Deficiency Reduces the Severity of H1N1 Influenza Viral Infection in Mice	<b>Xiaoyun Wang, PhD</b> Assistant Research Scientist Department of Clinical and Experimental Therapeutics University of Georgia
1:30 pm	Exposure of HIV-1 to MoMo30 Selects for Mutations in the Env Gene	<b>Morgan Coleman, PhD, MSCR</b> Post Doctoral Fellow Department of Microbiology, Biochemistry, and Immunology Morehouse School of Medicine
1:45 pm	Access to Care and Use of COVID-19 Antiviral Treatment among High-Risk Patients	<b>Eunhae Shin, PhD</b> Assistant Professor Department of Health Policy and Management University of Georgia

**Concurrent Session VI: Development of Therapeutics**  
**Moderator: Orlando Gutierrez, MD, PI, UAB CCTS**  
**Cypress Conference Room A & B**

12:30 pm	<b>Featured Talk:</b> Targeting Cell Junctions for the Treatment of Ischemic Retinopathies: Exploring Triciribine and Claudin-5 Peptidomimetics	<b>Somanath P.R. Shenoy PhD, MSc, FAHA</b> Kenneth L. Waters Pharmacy Professor Assistant Head and Graduate Coordinator Department of Clinical and Administrative Pharmacy, Augusta University of Georgia
1:00 pm	Understanding The Role of and Therapeutic Applications Targeting Protein Arginylation After Spinal Cord Injury	<b>Damien. D. Pearse, PhD</b> Professor Department of Neurological Surgery The John M. and Jocelyn H.K. Watkins Distinguished Chair in Cell Therapies University of Miami
1:15 pm	Revitalizing Aged Chronic Lymphocytic Leukemia (CLL) Chimeric Antigen Receptor (CAR) T Cells with IL-37	<b>Ruby Freeman, BS</b> Graduate Student Department of Hematology and Medical Oncology Emory University
1:30 pm	Investigating the Role of HER2 in Prostate Cancer/Diabetes Disparities	<b>Nicole Mavingire, PhD</b> Postdoctoral Research Fellow Department of Surgery Morehouse School of Medicine

1:45 pm	Neuregulin-1 Attenuates Hemolysis-Mediated Kidney Injury in Humanized Sickle Cell Mice	<b>William Agbozo, MPhil</b> PhD Student Department of Microbiology, Biochemistry, and Immunology Morehouse School of Medicine
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2:00 – 3:15 pm	<b>Poster Viewing &amp; Judging III</b> Longleaf E	
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3:15 – 4:30 pm	<b>Special Interest Sessions</b> <i>See below for specific information.</i>	
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**Special Interest Session I: Bringing the Community into Your Research**  
**Longleaf Ballroom AB**

**Tabia Henry Akintobi, PhD, MPH**

Professor and Chair, Community Health and Preventive Medicine  
Principal Investigator, Prevention Research Center  
Morehouse School of Medicine

**Ronit Elk, PhD**

Professor  
School of Medicine; Division of Geriatrics, Gerontology and Palliative Care  
Associate Director, Southeast Institute for Innovation in Palliative and Supportive Care  
University of Alabama at Birmingham

**L. "Neicey" Johnson, RN, BSN, Esq**

Community Steering Board Member

**Special Interest Session II: Getting Started in Dissemination & Implementation Science**  
**Longleaf Ballroom CD**

**Dee W. Ford, MD, MSCR**

Professor of Medicine  
Division Director, Pulmonary, Critical Care, Allergy, and Sleep Medicine  
Program Director, National Telehealth Center of Excellence  
Medical University of South Carolina

**Jillian Harvey PhD, MPH**

Professor  
Department of Healthcare and Leadership  
Medical University of South Carolina

**Rechelle Paranal, MSW, MA**

Evaluation Manager  
Medical University of South Carolina



**Special Interest Session III: Design Thinking**

**Cypress Conference Room A & B**

**Molly Wasko, PhD**

Program Director, NSF I-Corps (IPA)

University Professor and Associate Dean

Department of Management, Information Systems and Quantitative Methods

University of Alabama at Birmingham

4:30 pm

**Networking time**

Did you know your overnight stay includes complimentary admissions to the Garden? From golfing, biking, hiking, to relaxing at the spa, Callaway has something for everyone! Check out what's happening at Callaway to plan your trip\*.

*\*Excursions, rentals, etc. not covered by CTSA Sponsors*

6:30 pm

**Networking Banquet and Awards Ceremony**

*Loblolly Ballroom*

## Friday, March 7

Time	Agenda Item/Topic	Speaker/Presenter
<b>General Session III</b> <b>Moderator: Elizabeth Ofili, MD, MPH, PI, Georgia CTSA</b> <b>Longleaf Ballroom ABCD</b>		
7:30 – 8:30 am	<b>Breakfast and Networking</b> <i>Longleaf Pre-function</i>	
8:30 am	Emory Neurotrauma Translational Research Center (ENTiRe): Use of Porcine Models to Accelerate Therapeutic Development and Translation	<b>Candace Floyd, PhD</b> Professor Department of Emergency Medicine Emory University
8:45am	A Randomized Controlled Study to Test the Effectiveness of Developmental Network Coaching in the Career Advancement of Diverse Early-Stage Investigators	<b>Jada Holmes</b> Program Manager Clinical Research Center Morehouse School of Medicine
9:00 am	<b>Keynote:</b> Stakeholder Engaged Translational Research with Rural Communities	<b>Pearl A. McElfish, PhD, MBA, MS</b> Director Institute for Community Health Innovation University of Arkansas for Medical Sciences

<b>General Session IV</b> <b>Moderator: Bradley G. Phillips, PharmD, BCPS, FCCP, PI, Georgia CTSA</b> <b>Longleaf Ballroom ABCD</b>		
9:45 am	<b>Featured Talk:</b> Biomarkers of Consciousness and Recovery in Comatose Acute Brain Injury Patients	<b>Ayham Alkhachroum, MD</b> Associate Professor Department of Neurology University of Miami Miller School of Medicine
10:15 am	<b>Featured Talk:</b> The Future of Collaboration: AI's Impact on Interdisciplinary Teams	<b>Chris W. Wiese, PhD</b> Assistant Professor Department of Psychology Georgia Institute of Technology
10:45 am	<b>Oral Abstract Awards</b>	

11:00 – 12:00 pm	<b>Tools and Technology Showcase</b> <b>Longleaf Ballroom E</b>	
<b>Sensors</b> W. Hong Yeo, PhD Harris Saunders Jr. Professor Director of NSF SUSMED, K-GTSEC, WISH Center Associate Professor of Woodruff School of Mechanical Engineering Georgia Institute of Technology  Josh Lee, PhD Program Manager WISH Center, IEN Georgia Institute of Technology		

**NCATS Biomedical Translator**

Andrew B. Crouse, PhD  
Director of Research and Operations  
Hugh Kaul Precision Medicine Institute  
University of Alabama at Birmingham

**UGA Health Services and Health Quality Dashboard**

Dee Warmath, PhD  
Associate Professor  
Department of Financial Planning, Housing, and Consumer Economics  
University of Georgia

**Virtual Reality Exposure Therapy for PTSD: Demonstration of Implementation at Emory Healthcare Veterans Program**

Andrew M. Sherrill, PhD  
Assistant Professor  
Department of Psychiatry and Behavioral Sciences  
Clinical Psychologist, Emory Healthcare Veterans Program  
Emory University School of Medicine

**Prolonged Exposure Collective Sensing System: Demonstration of a Patient-Facing App and Clinician Dashboard that Facilitates Engagement and Communication within PTSD Treatment**

Andrew M. Sherrill, PhD  
Assistant Professor  
Department of Psychiatry and Behavioral Sciences  
Clinical Psychologist, Emory Healthcare Veterans Program  
Emory University School of Medicine

**Immersive Technologies to Translate Critical Scientific Information: Experiencing Risks and Learning Mitigation in VR**

Joshua Baldwin, PhD  
Post-Doctoral Research Associate  
Center for Advanced Computer-Human Ecosystems  
University of Georgia

**Fabla – Mobile App Platform for Enabling Daily Diary and Ecological Momentary Assessment Studies**

Santiago Arconada Alvarez, MS  
Co-Director  
Innovation Catalyst, Georgia CTSA  
Emory University

**Vocalis – Digital Interpretation Tool for Patient Communication at the Bedside**

Morgan Greenleaf  
Director  
Innovation Catalyst, Georgia CTSA  
Emory University

**Clinical Care Apps Table: Georgia TB Reference Guide App and TypeU (Diabetes Support for New T1D Patients) App**

Tulika Banerjee, MS  
Lead Product Designer  
Innovation Catalyst, Georgia CTSA  
Emory University

**National Science Foundation Innovation Corps- I-Corps**

Molly Wasko, PhD

Program Director, NSF I-Corps (IPA)

University Professor and Associate Dean

Management, Information Systems and Quantitative Methods

University of Alabama at Birmingham

*\*Subject to change 2/10/2025*

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