WHAT OUR CUSTOMERS SAY

"At the heart of every successful human challenge study is a team that understands both the science and the responsibility it carries. The GCRC team brings exceptional clinical skills, operational excellence, and a deep respect for our participants, making it possible to advance bold and innovative research with confidence. Their partnership is invaluable."

Nadine Rouphael, MD
Principal Investigator

"The GCRC has been integral to my career development. The expertise of the GCRC staff in metabolic physiologic testing has allowed me to propose important questions in diabetes and develop new protocols to test insulin secretion in diabetes."

Priyathama Vellanki, MD
Principal Investigator

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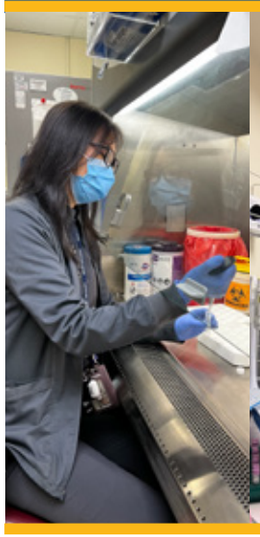
Georgia CTSA Clinical Research Centers



Georgia CTSA
Georgia Clinical & Translational Science Alliance

WHO WE ARE

The **Georgia CTSA Clinical Research Centers (GCRCs)** deliver exceptional infrastructure, expertise, and support to advance high quality clinical and translational research. Our centers provide dedicated clinical space; highly trained, research focused nursing and technical staff; and a comprehensive suite of services — including core laboratory capabilities and a specialized bionutrition unit — offered at competitive, cost-effective rates.

By leveraging these resources, researchers can enhance the rigor, efficiency, and overall impact of their studies.

GCRCs Research Sites

- Emory University Hospital
- Emory University Hospital Midtown
- Children's Healthcare of Atlanta
- Grady Memorial Hospital
- Morehouse School of Medicine
- University of Georgia

CLINICAL RESEARCH SERVICES

Nursing Services

- Medication administration
- Intravenous access and infusion of experimental therapeutics
- Vital signs monitoring
- Pharmacokinetic venipuncture
- ECG services and cardiac services
- Assistance with medical procedures such as lumbar punctures and bone marrow aspirations
- Inpatient and outpatient research orders
- Tuberculin skin testing
- Fit testing for N95
- Blood glucose monitoring

Study Coordinator Services

- Expert support across a wide spectrum of research, including investigator-initiated and industry-sponsored clinical trials, registries, and federally funded studies
- Dedicated team of highly experienced, phlebotomy-certified, and credentialed coordinators embedded within Emory Healthcare and Grady Health System, Children's and UGA
- End-to-end study management, delivering seamless execution from start-up through close-out
- Proven ability to drive cross-institutional collaboration and efficiently manage multi-site research initiatives

Bionutrition

- Consultation on nutrition-related study design and method
- Body composition measurement
  – Dual Energy X-ray Absorptiometry (DXA)
  – Grip strength testing
  – Bioimpedance analysis (BIA)
- Anthropometric measurements
  – 7-site skinfolds, waist-hip, and circumference measurements
- Energy expenditure and exercise testing
  – Indirect calorimetry using Vmax Encore 29
  – Cardiopulmonary Exercise Testing (CPET) using Vyntus CPX
- Nutrition assessment and education of study participants
  – Recipe & menu development for controlled feeding studies
- Data collection and dietary intake analysis
  – 24-hour recall, 3-day diet records, food frequency questionnaires
  – Using a variety of software including Nutrition Data System for Research (NDSR), Metabolic Pro, ProNutra, and ASA24
- Metabolic Research Kitchen
  – Experimental research diets prepared for both inpatient and outpatient studies including meal challenges

Laboratory Services

- Customized sample processing
- Short and longterm sample storage (4°C, -20°C, and -80°C)
- Sample barcoding and tracking through OpenSpecimen, a sophisticated Laboratory Information Management System (LIMS)
- Expert laboratory support for protocol planning, study setup, and initiation
- Access to the Emory CTSA Clinical Research Biorepository
- Diagnostic validation studies for research and clinical applications
- CLIA waived Piccolo Xpress comprehensive metabolic panel (CMP) testing

Additional Services

- Assistance with protocol development
- Georgia CTSA Studio Consultation
- Study protocol review for feasibility and safety
- Study start-up and close-out activities
- Phlebotomy training
- Training in Good Laboratory Practice (GLP)

HIGHLIGHTS

- Broad portfolio of active research studies
- Expanded laboratory partnerships with industry
- Operational and regulatory leadership for the multi-center clinical trials
- Expanded Bionutrition Core capacity, supporting NIH-funded controlled feeding and long COVID studies
- Comprehensive CTSA support for human challenge models

LEARN MORE