



UAB Center for Clinical and Translational Science

Robert P Kimberly, MD, Director
University of Alabama at Birmingham

The **CCTS Partner Network** crosses institutional boundaries to improve human health and health care delivery. This innovative partnership provides the foundation for addressing health disparities through collaborative research and training efforts.

Building on initial relationships from the Deep South Network for Translational Research, we have expanded to create new and more formal partnerships with regional institutions for mutual benefit. Regional partners are working together to facilitate and promote unique opportunities, including drug discovery and development (with UAB, Southern Research, Auburn and South Alabama), integrative genomics (with HudsonAlpha), advanced magnetic resonance imaging (with Auburn) and research with participant populations having disparities in clinical outcomes (LSU, Mississippi, Pennington, South Alabama, Tulane, Tuscaloosa, Tuskegee and UAB).



Auburn University
PI: Thomas Denney, PhD



- Provides investigative expertise through imaging, translational animal models, clinical pharmacy, drug development and populations outcome research.
- World class 3T and 7T MR imaging facilities.
- Auburn Laboratory for Imaging Animal Systems
- Programs supporting clinical translation, such as AURIC (the Auburn University Research Initiative in Cancer).

HudsonAlpha Institute for Biotechnology

PI: Rick Myers, PhD



- High throughput genomics, bioinformatics, and analytic pipelines.
- Facilitates the development of innovative approaches and specialized technology for genetic and genomic analysis.
- Performs genome sequencing and analysis for the Undiagnosed Diseases Program (UDP).

Louisiana State Univ. Health Sciences Center

PI: Lucio Miele, MD, PhD



- Louisiana Cancer Research Center (LCRC) Tissue/Biospecimen Repository.
- Part of the Southeastern Informatics Consortium and the Biostatistics Collaboratory.

Pennington Biomedical Research Center

PI: William Cefalu, MD



- Investigative expertise in obesity and aging research, botanicals and metabolic syndrome, and drug development.
- Member of the National Exercise Trials Network (NEXtNet)

Tulane University

PI: Roy Weiner, MD



- Translational research and training strengths.
- Significant research support in Cancer Biology and Clinical Cancer Research.
- Core assets in clinical research, clinical research career development, molecular genetics, bioinformatics, ethics, and community participation.

Tuskegee University

PI: Clayton Yates, PhD



- National Center for Bioethics in Research and Healthcare.
- Spearhead major regional workshops in bioethics as part of the CCTS Training Academy.

The University of Alabama at Tuscaloosa

PI: John Higginbotham, PhD, MPH



- Investigative expertise in rural health, community engagement and clinical trials.
- Collaboration with the Institute for Rural Health Research.

University of Mississippi Medical Center

PI: Richard Summers, MD



- Operates the Jackson Heart Study (JHS) sponsored by the National Heart, Lung and Blood Institute and the National Center for Minority Health and Health Disparities.

University of South Alabama

PI: Mark Gillespie, PhD



- Expertise in clinical trials, translational and community research
- Translational Research Service Core

Southern Research

PI: Andrew Penman, PhD



- Investigative experience in small molecule screening, lead discovery and optimization, and preclinical drug development.
- Drug discovery efforts with special emphasis on oncological, antiviral, and cytoprotective drugs

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