1. To generate new understanding of the mechanisms of arthritis, musculoskeletal, bone, and autoimmune diseases and apply this knowledge to improve the diagnosis, treatment, and prevention of these conditions.
2. To promote and integrate fundamental, translational, and clinical research with clinical care of patients with arthritis, musculoskeletal, bone, and autoimmune diseases.
3. To educate the public about arthritis, musculoskeletal, bone, and autoimmune diseases and how they can partner with us to achieve our goals of better ways to diagnose, treat, and prevent these conditions.
4. To train future investigators and health care professionals in arthritis, musculoskeletal, bone, and autoimmune diseases.

**HISTORICAL OVERVIEW OF CAMBAC**

1977 - NIH Multipurpose Arthritis Center
- J. Claude Bennett, MD, Director
- formed through grant from NIH
1982 - William J. Koopman, MD, Director
1996 - NIH Multipurpose Arthritis and Musculoskeletal Diseases Center
- Robert P. Kimberly, MD, Director
1997 - UWIRC program established at UAB Arthritis and Musculoskeletal Center
2001 - present NIH Rheumatic Diseases Cores Center and NIH Multidisciplinary Clinical Research Center
2008 - Comprehensive Arthritis, Musculoskeletal, and Autoimmunity Center
2013 - S. Louis Bridges, Jr., MD, PhD, Director
2014 - Comprehensive Arthritis, Musculoskeletal, Bone, and Autoimmunity Center

**MISSION/GOALS**

1. To generate new understanding of the mechanisms of arthritis, musculoskeletal, bone, and autoimmune diseases and apply this knowledge to improve the diagnosis, treatment, and prevention of these conditions.
2. To promote and integrate fundamental, translational, and clinical research with clinical care of patients with arthritis, musculoskeletal, bone, and autoimmune diseases.
3. To educate the public about arthritis, musculoskeletal, bone, and autoimmune diseases.
4. To train future investigators and health care professionals in arthritis, musculoskeletal, bone, and autoimmune diseases.

**THE CENTER’S LEADERSHIP STRUCTURE AND FACULTY DISTRIBUTION**

**Organizational Structure/Leadership**

**Executive Committee**
- S. Louis Bridges, Jr., MD, PhD - Director
- Kenneth G. Saag, MD – Associate Director
- Harry W. Schroeder, Jr., MD, PhD – Associate Director
- Rosa Serra, PhD – Associate Director
- Stephanie Stafford Miller, MS – Administrative Director

**Steering Committee**
- Shawn R. ‘Skip’ Gilbert, MD – Orthopaedic Surgery
- Frances E. Lund, PhD - Microbiology
- Annie Brown McLaren, MD – Physical Medicine and Rehabilitation
- Timothy M. Wick, PhD – Senior Associate Dean, School of Engineering

**WRONG GROUPS**

**Thematically Work Groups**
- Bone, Cartilage, Muscle and Connective Tissue Pathobiology
- Epidemiology, Outcomes and Prevention
- Experimental Therapeutics and Biomarkers
- Immunology, Autoimmunity and Inflammation
- Genetics, Genomics, and Bioinformatics
- Neurobehavioral Medicine and Pain Research

**TRANING PROGRAMS**

- NIAID T32 AI007051, “Immunologic Diseases and Basic Immunology” (1976 – 2018)
- Harry W. Schroeder, Jr., MD, PhD – Program Director
- AHRQ T32 HS013852, the UAB Health Services Research (HSR) Training Program (KG Saag, PI) is not restricted to the content areas of CAMBAC, but on the full spectrum of HSR across specialties.
- S. Louis Bridges, Jr., MD, PhD – Program Director
- Kenneth G. Saag, MD, MSc – Associate Program Director
- Yi-Ping Li, PhD – Associate Program Director

**ENRICHMENT**

Annual CAMBAC Research Day
- CAMBAC Seminar Series
- Journal Clubs
- Wonderful World of Technology Series
- Thematic Symposia

**CORES AND CENTERS**

Comprehensive Flow Cytometry Core (John Mountz and Olaf Kutsch, Co-Directors)
- High Resolution Imaging Facility (Kent Keyser, Director)
- Transgenic & Genetically Engineered Models Core (Robert Kesterson, Director)
- NIH P30 Core Center for Clinical Research (CCCR) AR072583 (Curtis, PI), Building and InnovatingG: Digital health Technology and Analytics (BIGDATA).

NIAMS P50 AR060772
- Investigations In Gout, Hyperuricemia, and comorbidTies (INSIGHT) Center of Research Translation (CORT)
  - Kenneth Saag, MD, MSc, PI (2012 – 2022)
  - Project 1: AMPK and Inflammation in Gout - Terkeltaub, Robert
  - Project 2: Novel Risk Factors and Precision Medicine for Gout Flares – Choi, Hyun
  - Project 3: Translational Genomics of Hyperuricemia (Harvard) – Mount, David B.
  - Project 4: Protecting Renal Function with Urate-Lowering Drugs (PROUD) – Singh, Jasvinder

**FUNDING OR COLLABORATION OPPORTUNITIES**

- Pilot Study Funding available.