



W. Montague Cobb Research Laboratory

Ongoing Research

- **Extraction of DNA** from the tooth and skull of individuals in the Cobb Lab.
 - Will need to train interested individuals to do this.
 - Importance: Provides DNA for analysis.
- **Historical Aspect**
 - Organizing clinical records into historical contexts: Bio histories
- **Geographical Aspect**
 - 3D representation of NYABG
 - Soil Analysis of the soils from the NYABG
- **Dental Aspect (Oral microbiome)**
 - Extracting the plaque off the teeth of Cobb Collection individuals.
 - Analysis of microbial, viral and human DNA using the plaque samples.
 - Looking at dental anomalies
 - Importance: provides information on the nutritional status of the Cobb Collection individuals, health status of the Cobb Collection Individuals, what the Cobb Collection Individuals ate and diseases they may have had.
- **Skeletal Analysis**
- **Bioinformatics**
 - DNA
 - Computational Biology
 - Importance: uses the genetic variation from the DNA to provide information on diseases that afflict.
- **Clinical Research**
 - *Rheumatology*
 - *Cardiovascular diseases*
 - Working alongside clinicians to revalidate the clinical records on the Cobb Collection individuals using modern criteria and equipment.
 - Importance: provides more information on the circumstances of illness and death on specific Cobb Collection individuals.