INTRODUCTION
The Pathology Core Facility (PCF) Bio-Repository Laboratory specializes in the procurement, processing, preservation, storage and distribution of bio-specimens collected for research purposes. The Bio-Repository acts as a “honest broker” for the research community. The goal of the Bio-Repository is to provide the highest quality, well annotated bio-specimens uniformly processed and prepared to meet the needs of the research community. Our Bio-Repository follows the guidelines and regulations of CAP, CLIA, HIPAA, IATA and the FDA.

FUNCTIONS
- Regulatory Requirements
- Project & SOP Development
- Patient Screening & Consent
- Specimen Acquisition
- Specimen Processing
- Storage
- Quality Assurance (QA)
- Quality Control (QC)
- Data Collection and Annotation
- Reporting
- Distribution

SPECIMEN TYPES
- The Bio-repository collects and stores various specimen types depending on the parameters of each repository.
- Bone Marrow
- Buffy Cells
- Cerebrospinal Fluid (CSF)
- DNA
- FFPE Tissue (Normal & Tumor)
- Fresh Tissue (Tumor)
- Frozen Tissue (Normal & Tumor)
- Frozen Tissue RNA Later (Normal & Tumor)
- Mononuclear Cells
- Plasma
- Serum
- RNA
- Urine
- Whole Blood

RESOURCES
- We have over 5,000 sq ft of lab space and Freezer Farms containing 20+ (-80C) freezers for bio-specimen storage.
- BSI (Biological Specimen Inventory System) - providing a secure software environment for data entry, storage, workflow, shipment tracking and reporting of specimens.
- Automatic DNA/RNA extraction and semi-automatic tissue microarray allows us to handle large sample sizes for high-throughput bio-specimen projects.
- Our associated Histology and Immunohistochemistry Core Laboratories provide services such as tissue sectioning and biomarker detection.
- Our state-of-the-art digital pathology system can conduct quantitative analysis of images and tissue sections.
- Mesa AmegaView temperature monitoring system - designed to safeguard specimens and notify personnel of potential issues.
- The Bio-Repository team work extensively with various clinical coordinators, surgeons, pathologists, research nurses and phlebotomists.

GOALS
- Achieve CAP Bio-Repository Certification.
- Maintain a valued tissue bank resource supporting all cancer research programs.
- Participate in more investigator initiated repositories.
- Maintain the gold standard for specimen procurement, processing and shipment.
- Complete specimen inventory linked to disbursement systems.

CONTACT
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