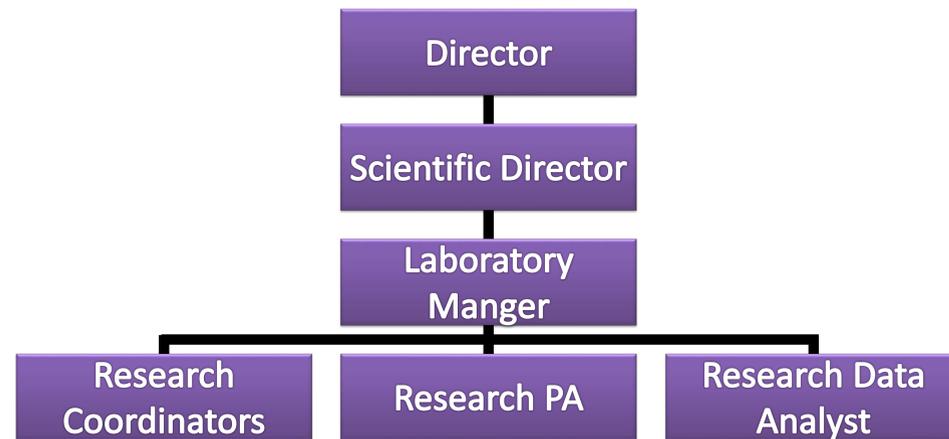


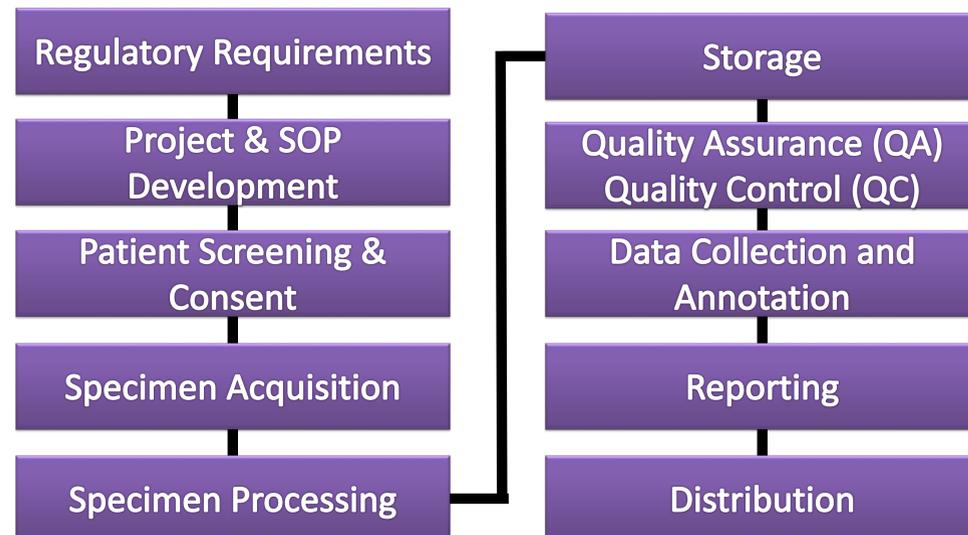
INTRODUCTION

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 an “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.

STRUCTURE



FUNCTIONS



Current Repositories	Bio-specimens
1 Prostate SPORE	52,000
2 Brain Tumors/BTI	11,500
3 Colorectal Cancer	18,000
4 Breast Cancer	18,000
5 Patient Derived Xenografts	1,600
6 Lymphoma-leukemia	7,500
7 TCGA required Cancer /NIH	10
8 GYN Cancer &early detection	50,000
9 Lung Cancer	900
10 Prostate Genetics	80,000

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

- The Bio-Repository Laboratory is located 710 N. Fairbanks Ct Olson Pavilion Room 8501, Chicago, IL 60611.
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