Circulating Biomarker Core (CBC) Services and Equipment

Services

- Development and translation of circulating biomarker methods from basic science to clinical research and clinical laboratory diagnostics
- Custom method development, clinical trial sample processing, CLIA/CAP implementation for circulating biomarker end-points involving circulating tumor cell (CTC) protein or mRNA/DNA evaluation, cell-free DNA, exosomes, etc.
- Access donated blood from patients with solid tumors of the prostate, lung, bladder, kidney and breast
- Biospecimen team support for enrolling new patients and coordinating sample acquisition
- Skilled staff available for all aspects of sample handling: blood draw, processing, and analysis
- Experienced support for all sample processing aspects of large-scale, multi-site clinical trials
- Expert understanding of CLIA requirements for clinical laboratory diagnostic preparation
- Lab space in both WIMR and SLH for convenient consultations and CAP-approved capabilities
- Free consultation work and options for service structures that operate through fee-for-service or collaborative grant budgets

Equipment

- Automated sample processing technology (exclusion-based sample preparation (ESP)) demonstrating high levels of precision and accuracy
- Three total five channel inverted fluorescence microscopes each with automated XYZ stage and perfect focus systems (PFS) from Nikon
- Quantitative PCR machine (Bio-Rad)