

University of Maryland

Biomarker Reference Laboratory

Objectives

To serve as a resource for facilitating the refinement and analytical validation of biomarker assays, methodologies, and reagents and assist in and perform Network-supported validation of biomarkers.

Program Description

The University of Maryland Biomarker Reference Laboratory (UMB-BRL) will enable biomarker validation by providing a wide range of core facilities and shared services, specialized equipment, and quality control systems, including CLIA certification and full clinical laboratories, as well as molecular genetic assays within its versatile armamentarium.

Expertise and Resources Available

Resources include histopathology, immunohistochemistry, clinical and research chemistry, molecular diagnostics, genomics, proteomics, flow cytometry research, biostatistics, an industrial ultrasensitive multiphoton detection technology laboratory, a broad tissue bank, and other resources. An expert team of leaders at UMB and industrial sites has been assembled to provide access to these core facilities and shared services to provide standardized procedures, high-throughput robust assays, generalizability, and clinical translation into CLIA-certified laboratories, in which Dr. Sanford Stass has extensive experience and expertise.