



**GENETICS PROGRAM
CYTOGENETICS LABORATORY TESTS**

Chromosome Analysis (Karyotype)

Constitutional chromosome studies

Oncology chromosome studies

Microarray Analysis

Pediatric/Adult SNP array analysis

Prenatal SNP array analysis

Oncology SNP array analysis

Oncology FISH Analysis

Acute promyelocytic leukemia (APL)
PML/RARA

Chronic myelogenous leukemia (CML)
BCR/ABL1

Follicular lymphoma (FL)
IGH/BCL2

High grade B-cell lymphoma (HGBL)
BCL6, MYC and BCL2

Mantle cell lymphoma (MCL)
IGH/CCND1

Marginal zone lymphoma (MZL)
3q, 7q and MALT1

Multiple myeloid (MM)
CKS1B/CDKN2C (1q/1p), IGH (14q) and TP53 (17p)
reflex IGH/FGFR3, IGH/CCND1 and IGH/MAF