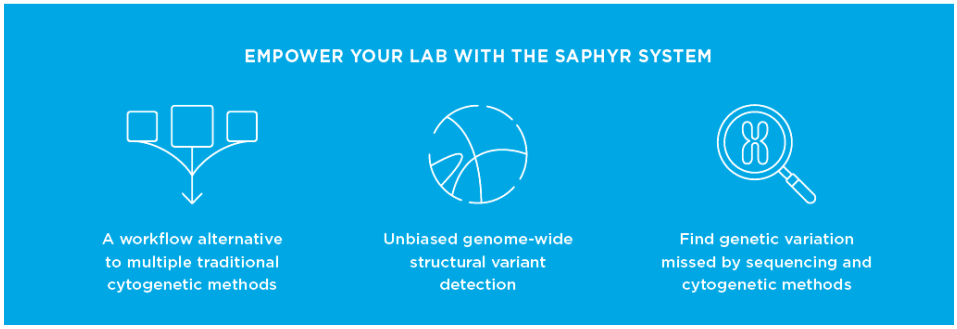
Next-Generation Cytogenomics with Optical Genome Mapping (OGM)

REVEAL MORE GENOMIC VARIATION THAT MATTERS WITH OPTICAL GENOME MAPPING

Despite decades of progress, the promise of personalized genomic medicine remains largely elusive because no single technology can comprehensively detect all genomic rearrangements, quickly, reliably and affordably.

The Bionano Saphyr® System detects structural variations in an unbiased manner at much higher sensitivities than sequencing-based technologies, and routinely at 5% variant allele fraction.



OGM allows for the highly sensitive detection of all structural variant types, even those present at low allele fraction in heterogenous cancer samples, in an unbiased genome-wide manner. Indeed, OGM allows fully automated detection of CNVs, repeat expansions, unbalanced events, inversions, translocations and gene fusions, even in highly complex regions.

Examples will be presented of how Bionano's system finds genomic rearrangements in cancer and genetic disease that are missed by NGS or other traditional cytogenetic methods.

Event Info

DATE:
September 27th 2022
10:00 – 11:30

HOSTED BY:
Clinical Genomics Stockholm

LOCATION:
Wangari Room
Karolinska Institutet

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For more information about the Saphyr® System, please visit www.bionanogenomics.com

Optical genome mapping using the Saphyr System will be available as service from Clinical Genomics.