BIONANO GENOMICS SEMINAR

You're Invited!

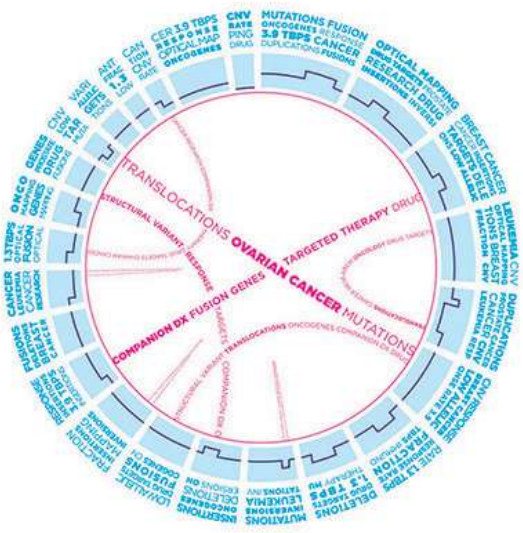
Next-Generation Cytogenomics: High-throughput Mapping of Structural Variation in Cancer Research and Clinical Oncology

The promise of personalized medicine in cancer remains elusive, because no single technology can comprehensively detect all the rearrangements in the cancer genome.

Bionano Genomics' platform for whole genome mapping offers an extremely long-read technology, providing unmatched sensitivity to detect structural variation, genome wide, at low cost. Our de novo maps can resolve complex repetitive regions, identify Copy Number Variations, and elucidate genome-wide structural variation like balanced/unbalanced translocations, inversions, and indels with much higher sensitivity and precision than sequencing-based methods.

For heterogeneous cancer samples, Bionano's extremely high coverage depth allows for the detection of any type of structural variant with more than 90% sensitivity, present in as little as 5% allele fraction, genome wide, and completely unbiased.

Examples will be presented of how Bionano's platform elucidates genomic rearrangements in cancer that are missed by NGS and cytogenetic methods.



Event Info

DATE:

Wednesday, February 12th, 2020

TIME:

10:00 AM – 11:00 AM

LOCATION:

Lecture Theatre A

Level 7

Victorian Comprehensive Cancer Centre

SPEAKER:

Yingying Wu | Scientific Affairs Manager | BioNano Genomics

CONTACT:

Azadeh Seidi | Business Development Manager | Decode Science

azadeh.seidi@decodescience.com.au

+61 (0) 438 792 069

THANKS TO:

Luciano Martelotto | Head, Single Cell Innovation Laboratory | Centre for Cancer Research, University of Melbourne

Timothy Semple | NGS Core Facility Laboratory Manager | Peter MacCallum Cancer Centre

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