

BIONANO GENOMICS SEMINAR

Emory Integrated Genomics Core

Emory Integrated Core Facilities

You're Invited!

Next-Gen Cytogenomics: High Resolution Chromosome Abnormality detection and Visualization by Optical Genome Mapping

Bionano Genomics' platform for Optical Genome Mapping (OGM) offers an extremely long-read technology, providing unmatched sensitivity and specificity 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 and cytogenetic methods.

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 1% allele fraction, genome-wide, and completely unbiased.

Examples will be presented of how Bionano's platform is being used by groups all over the world for rare and undiagnosed genetic disease and translational cancer research.



Event Info

DATE:

Tuesday, March 14th , 2023

TIME:

2:00PMEST – 3:00PMEST

LOCATION:

Emory University, HSRB Auditorium,
1760 Haygood Dr. NE, Atlanta, GA
30322

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RSVP Here:

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Virtual attendees:

HSRB Auditorium Zoom link:
Join Zoom Meeting
<https://zoom.us/j/294261547>

Meeting ID: 294 261 547
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For more information about the Saphyr® System, please visit www.bionanogenomics.com