

BioNano Genomics Announces 32 Posters and Workshops Supporting Next-Generation Mapping to be presented at PAG XXIV Conference

SAN DIEGO, CA – January 7, 2016 – BioNano Genomics, the leader in physical genome mapping, today announced that 32 posters and workshops supporting the utility of its next-generation mapping (NGM) Irys® System in plant and animal genome research will be presented at the upcoming [International Plant & Animal Genome \(PAG\) XXIV Conference](#) being held January 9– 13, 2016 in San Diego, California.

Erik Holmlin, Ph.D., President and Chief Executive Officer of BioNano Genomics, commented, “We are pleased to see acceptance of over 30 posters and workshops related to BioNano’s Irys System at this year’s PAG conference. The overwhelming interest from researchers in our next-generation mapping system underscores the need and importance for physical genome maps in the area of evolutionary, animal, crop, and breeding biology. With BioNano’s technology, researchers have access to the most complete and comprehensive view of genomes to date. Collectively, the scientific results being presented at the meeting demonstrate tremendous strides in the progress of researchers working with large, complex genomes of plants and animals, an area where our technology provides very unique and complementary advantages to other NGS technologies used otherwise.”

[BioNano’s PAG 2016 Brochure](#) includes additional details and logistics for each of the posters and workshops that will be presented at the PAG XXIV Conference, including a BioNano-sponsored workshop that highlights advances in genomic research performed in areas relevant to evolutionary, crop, and breeding biology:

Title: Accelerate Your Research Through Next-Generation Mapping: Physical Maps in the Age of Genome Discovery

Date: Tuesday, January 12, 2016

Time: 1:30 pm – 3:40 pm

Location: Sunrise–Meeting House, Town & Country Hotel, San Diego CA

Learn more by visiting **BioNano’s Booth #231** at the PAG XXIV and visiting www.bionanogenomics.com.

Download the PAG2016 brochure [here](#).

About the Irys® System

The Irys® System can provide valuable insights about the biology of the genome based on information about the order, orientation, arrangement, and interaction of genomic components. Irys also works as a complement to read-based sequencing technologies to yield long-range genomic information, identify structural variations and bridge repeats and other complex elements in the genome. The Irys System uses IrysPrep® Reagents to extract and label long DNA molecules and the IrysView and IrysSolve® software to provide powerful *de novo* assemblies and analysis of the genome.

About BioNano Genomics

BioNano Genomics, Inc., the leader in next-generation mapping (NGM), provides customers with genome analysis tools that advance human, plant, and animal genomics and accelerate the development of clinical diagnostics. The Company's Irys® System uses NanoChannel arrays integrated within the IrysChip® to image genomes at the single-molecule level with average single-molecule lengths of about 350,000 base pairs, which leads the industry. The long-range genomic information obtained with the Irys System helps decipher large, complex DNA repeats, which are the primary cause of inaccurate and incomplete genome assembly.

On its own, next-generation mapping with the Irys System enables detection of structural variants, many of which have been shown to be associated with human disease as well as complex traits in plants and animals. As a companion to next-generation sequencing, next-generation mapping with the Irys System integrates with sequence assemblies to create contiguous hybrid scaffolds that reveal the highly-informative native structure of the chromosome.

Only BioNano Genomics provides long-range genomic information with the cost-efficiency and throughput to keep up with advances in next-generation sequencing.

The Irys System has been adopted by a growing number of leading institutions around the world, including: National Cancer Institute (NCI), National Institutes of Health (NIH), Wellcome Trust Sanger Institute, Broad Institute of MIT and Harvard, BGI, Garvan Institute, Salk Institute, and McDonnell Genome Institute of Washington University. Investors in the Company include Battelle Ventures, Domain Associates, Legend Capital, Novartis Venture Fund, Federated Kaufmann, Monashee Investment Management, and Gund Investment Corporation.

For more information, please visit us at www.BioNanoGenomics.com.

Notes: BioNano Genomics is a trademark of BioNano Genomics, Inc. Any other names of actual companies, organizations, entities, products or services may be the trademarks of their respective owners.

Contact

The Ruth Group

Kirsten Thomas

kthomas@theruthgroup.com

(508) 280-6592