

## **Bionano Genomics Announces 36 Posters and Workshops Supporting Next-Generation Mapping to be presented at PAG XXV Conference**

**SAN DIEGO, CA – January 11, 2017** – Bionano Genomics, the leader in physical genome mapping, today announced 36 posters and workshops demonstrating how using next-generation mapping (NGM) to reveal true genome structure uniquely enables significant advances in plant and animal research. The posters and workshops, presented by prominent researchers from academic and industrial institutions, will be presented at the upcoming [International Plant & Animal Genome \(PAG\) XXV Conference](#) January 14 – 18, 2017 in San Diego, California.

Bionano’s downloadable [2017 Brochure on PAG activities](#) includes details and logistics for each of the 36 posters and workshops on NGM that will be presented, including a Bionano-sponsored workshop that highlights how large genomic structural variations can reveal what is missing in genomic research. The workshop highlights advances in genomic research performed in areas relevant to evolutionary, crop, and breeding biology.

**Title:** Next-Generation Mapping Reveals Large Structural Variations: So What?

**Date/Time:** Monday, January 16<sup>th</sup> from 6:10 – 8:20 p.m. PST

**Location:** Pacific Salon 3, Town & Country Hotel, San Diego CA

Erik Holmlin, Ph.D., CEO of Bionano, commented, “A large and growing number of researchers are benefiting from Bionano, as demonstrated by the abundance of findings discovered using NGM and being presented at PAG this year. NGM is an essential tool for researchers to identify what is missing in their research via the mapping of large-scale structural variations, which are critical for gaining a deeper understanding of biology and achieving more actionable results, and which are mostly undetectable by other technologies.”

Learn more by visiting **Bionano’s Booth # 331** at the PAG XXV and visiting [www.bionanogenomics.com](http://www.bionanogenomics.com).

### **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 DNA at the single-molecule level with average single-molecule lengths of about 350,000 base pairs, which leads the genomics industry. The long-range genomic information obtained with the Irys System helps decipher complex DNA involving 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 (NGS), 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 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, BGI, Garvan Institute, Salk Institute, Mount Sinai and Washington University. Investors in the Company include Domain Associates, Legend Capital, Novartis Venture Fund and Monashee Investment Management.

For more information, please visit [www.BionanoGenomics.com](http://www.BionanoGenomics.com).

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