

MGI Tech acquires STOmics and CycloneSEQ to advance spatial biology and nanopore sequencing technologies

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To deliver integrated short-read sequencing, long-read nanopore sequencing, generative lab intelligence and spatial omics technologies



MGI Tech Co., Ltd. , a company dedicated to developing core tools and technologies that drive innovation in the life sciences, announced the acquisition of STOmics and CycloneSEQ. It marks a significant milestone in MGI's "SEQALL+GLI+Omics" strategy, positioning the company as the world's only manufacturer of core life science tools spanning short-read sequencing, long-read nanopore sequencing, generative lab intelligence and spatial omics technologies.

By bringing spatial biology and nanopore sequencing technologies fully in house, MGI strengthens its product portfolio, enhances long-term competitiveness and advances its vision of becoming a one-stop solution provider for customers' long-read and short-read sequencing needs.

Advancing Spatial Multi-Omics with STOmics

Established in April 2024, STOmics' proprietary Stereo-seq technology represents a breakthrough in spatial multi-omics, featuring:

- Large field of view
- Nano-scale resolution
- Unbiased whole-transcriptome capture
- Integrated multi-omics solutions

The technology has been widely applied in developmental biology, organ atlas mapping, neuroscience, and digital pathology. To date, Stereo-seq has contributed to more than 60 publications in leading scientific journals, including Cell, Science, Nature, and Cell Research.

STOmics' solutions are highly compatible with MGI's patented DNBSEQ sequencing platform, for instance, Stereo-seq libraries are sequenced using MGI's flagship G400 and T7 platforms, ensuring high-quality data output.

Following the acquisition, MGI can now offer more accessible, comprehensive, and efficient spatial-temporal omics workflow

solutions—empowering researchers with deeper, three-dimensional insights into biological processes.

Expanding Long-Read Capabilities with CycloneSEQ

CycloneSEQ, established in March 2024, has commercialized nanopore sequencing technology as two platforms: G100-ER* for lower throughput and G400-ER* for higher throughput. What is worth mentioning, G100-ER* has obtained CE marking under the European Union's In Vitro Diagnostic Regulation (IVDR), reinforcing its compliance and readiness for regulated markets.

MGI's DNBSEQ technology, which delivers high throughput, high accuracy and cost-effectiveness, naturally complements CycloneSEQ's long-read nanopore sequencing capabilities. Through this integration, MGI will provide users with a comprehensive "long-read + short-read" sequencing toolkit.

Delivering a True "SEQALL+GLI+Omics" One-Stop

Both STOmics and CycloneSEQ have already maintained close collaboration with MGI, with MGI holding exclusive global distribution licenses for their reagents and products.

Upon completion of integration and combination of short-read, long-read and spatial omics under one provider, along with existing generative lab intelligence, MGI significantly enhances customer service capabilities, operational efficiency, and long-term partnership value through the "SEQALL+GLI+Omics" strategy.

*This information is for general reference only and does not imply that the relevant product or service will be available in any specific country or region.