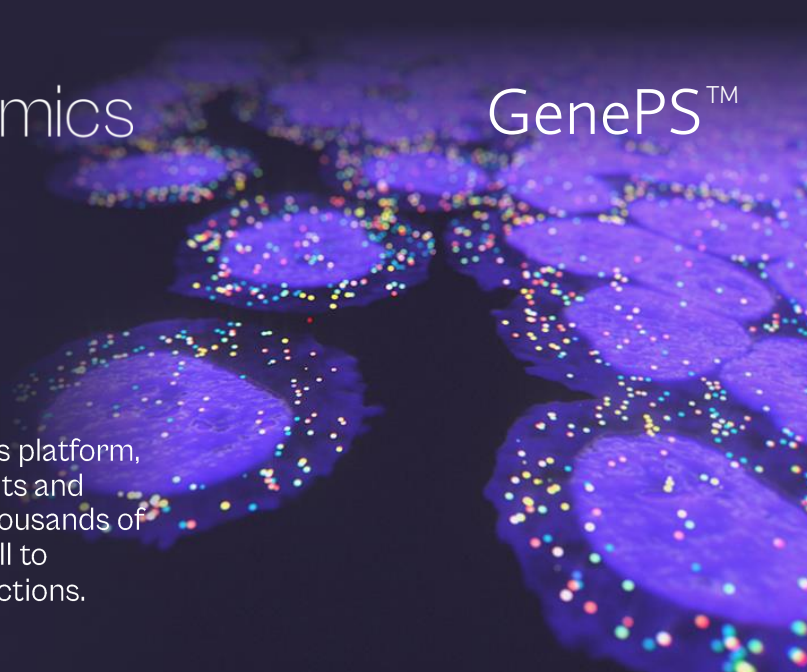




GenePS is an advanced spatial genomics platform, capable of highly multiplexed experiments and simultaneous analysis of hundreds to thousands of genes and many proteins from single-cell to subcellular resolution in intact tissue sections.



The GenePS platform employs the proprietary seqFISH technology, offering the highest quality data at an affordable price.

Transcripts are uniquely identified by a fluorescent barcode built up over multiple images, using a resilient error-correcting barcode strategy that efficiently detects up to thousands of genes.

The GenePS provides high-resolution insights into cell types, neighborhoods, states, and relationships within native tissue and organ environments.

## Single-molecule sensitivity

Direct single-molecule quantitation of nucleic acid target sequences

## Reproducibility

Across corresponding sections from different samples and in dissociated or cultured cells

## Specificity

Highly curated and designed probes to limit off-target effects

## Single-cell resolution

Single-cell analysis within intact tissues or cultures, without cell loss due to dissociation

## Multi-omics

Assay RNAs as well as proteins

## Flexibility

Standard and custom panels





Category	Feature	Specification
Instrument	Imaging modes	Fluorescence, brightfield
	Imaging area	Up to 1 cm <sup>2</sup>
	Magnification	40x, 60x
	Lateral pixel resolution	~100 nm
	Imaging lasers	Violet, Blue, Green, Red
	Data storage capacity	24 TB
	Sample type	Fixed cells or tissue section - prepared per protocol
	Sample capacity	One slide per run
	Regions of interest	User selects one or more per experiment
	Instrument dimensions	41" x 25" x 33" / 105 cm x 63 cm x 83 cm (width x depth x height; includes monitor)
	Instrument weight	320 lbs / 145 kg
	Power	100-240 VAC, 50/60 Hz
Reagents	Multiplexity	Low to high gene multiplexity possible (10s to 1000s of genes)
	Standard kits	Pre-designed gene expression kits available
	Custom kits	Custom kit design possible
	Supported biomolecules	RNA, protein
	Supported organisms	Human and mouse (typical); other organisms (custom)
Software	Custom control software	Available on instrument
	Preliminary data processing	Performed on instrument
	Data analysis tools	Off-instrument suite available for data analysis and visualization

## What will you discover?

Contact us at [info@spatialgenomics.com](mailto:info@spatialgenomics.com) to get started.

