



**GENOGRAM**

next-genomics

Accelerate your decisions  
with the first **population-scale**  
**pangenomic platform**

## FROM LINEAR GENOMES TO PANGENOMIC GRAPHS.

**GenoGra introduces the first software platform for pangenomic analysis that automates the redundant work of bioinformaticians, providing first-in-class scalability and quality of analysis.**

Our proprietary technology **accelerates pangenomic algorithms** and redefines how genomic data is interpreted — providing actionable genomic knowledge in days rather than weeks.

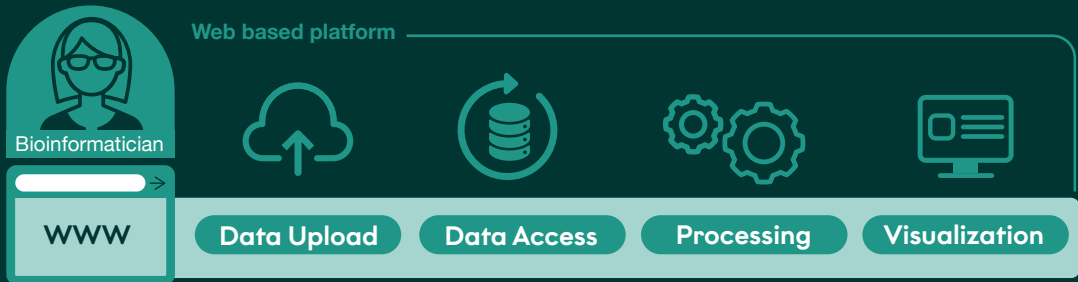
Through a top-down population genomics approach, users can **generate population-specific genome graphs** by filtering and querying reference pangenomes.

This enables rapid identification of shared genetic variants, correlation with phenotypic traits, and supports biomarker discovery and association studies at population scale.

# FROM RAW DATA TO ACTIONABLE INSIGHTS.

By structuring genomic sequences and metadata into population-scale genome graphs and leveraging GPU-powered search engines, GenoGra turns sequencing data into **actionable knowledge**.

## Our Pangenomic Technology



### Data Access



A **Graph-DB** storing **sequences** and **metadata** in a **genome graph**

### Processing



"**Search engines**" to map DNA sequences onto the graph leveraging **GPUs**

**PATENT  
GRANTED  
FEB 2024**

## WHY GENOGRA?



### INNOVATIVE **ANALYSIS**

Graph-driven modeling captures complex, rare, and structurally diverse variation that conventional linear references miss, delivering higher-resolution results.



### POPULATION **GENOMICS**

Capture variation patterns and population stratification more accurately, delivering more signal on complex variants, and less ambiguity in interpretation.



### INTUITIVE **INTERFACE**

A streamlined interface reduces redundant work and simplifies complex workflows.



### FASTER ACTIONABLE **RESULTS**

Actionable insights in less time, through high-performance computation and simplified, graph-based workflows.

## ONE PLATFORM. MEASURABLE IMPACT.

70%

Fewer tools needed, getting rid of time-wasting cross-platform workflows

4X

More accurate variant detection, leveraging graph-based data representations

10X

Faster genomics pipelines, empowered by hardware acceleration

## ONE PLATFORM. MULTIPLE GENOMIC APPLICATIONS.

### HUMAN

Diagnostics  
Clinical Research  
Drug Design & Discovery  
Personalized Therapy

### NON HUMAN

Microorganisms  
Plants  
Animals  
Sustainability & One Health

## READY TO ACCELERATE YOUR GENOMIC INSIGHTS?

GenoGra is revolutionizing how sequencing data becomes knowledge — **faster**, **simpler** and **more comprehensive** than ever before.

Unlock the full value of your existing genomic data and experience the power of graph-based genomics first-hand.

INTERESTED IN LEARNING MORE?  
BOOK A DEMO.



[genogra.com](https://genogra.com)