

August 2025

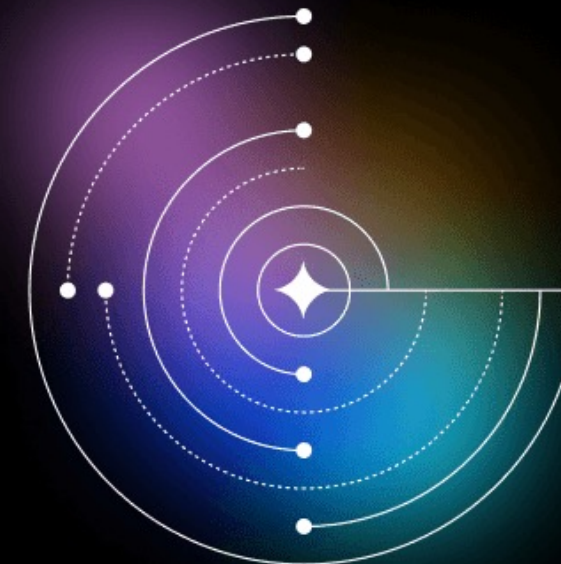
# GeneSilico Overview

DRIVING CANCER SURVIVAL

GeneSilico.AI



Build your precision  
treatment plan



Ready to discuss?





# ABOUT US

GeneSilico is a bioscience and AI technology company whose mission is to be a world class provider of precision oncology solutions.

gSage, the GeneSilico AI platform, determines what therapies will be effective for a given cancer patient, as well as assist the patient through the lifecycle of treatment to achieve wellness.

# ABOUT US

A BIOSCIENCE AND AI TECHNOLOGY COMPANY

1

01 GENESILICO, INC  
HEADQUARTERED IN  
AUSTIN, TEXAS USA

2

02 GENESILICO INDIA PRIVATE  
LIMITED (GSIPL)

New Dehli | Bangalore | Gulbarga | Mumbai

# AI FUTURE ROLE IN PRECISION ONCOLOGY AND REDUCING THE CANCER DEATH RATE

The integration of artificial intelligence (AI) into medical innovation has had remarkable successes to date including immunotherapies and radiopharmaceuticals.

...However, we believe it is still at its infancy...

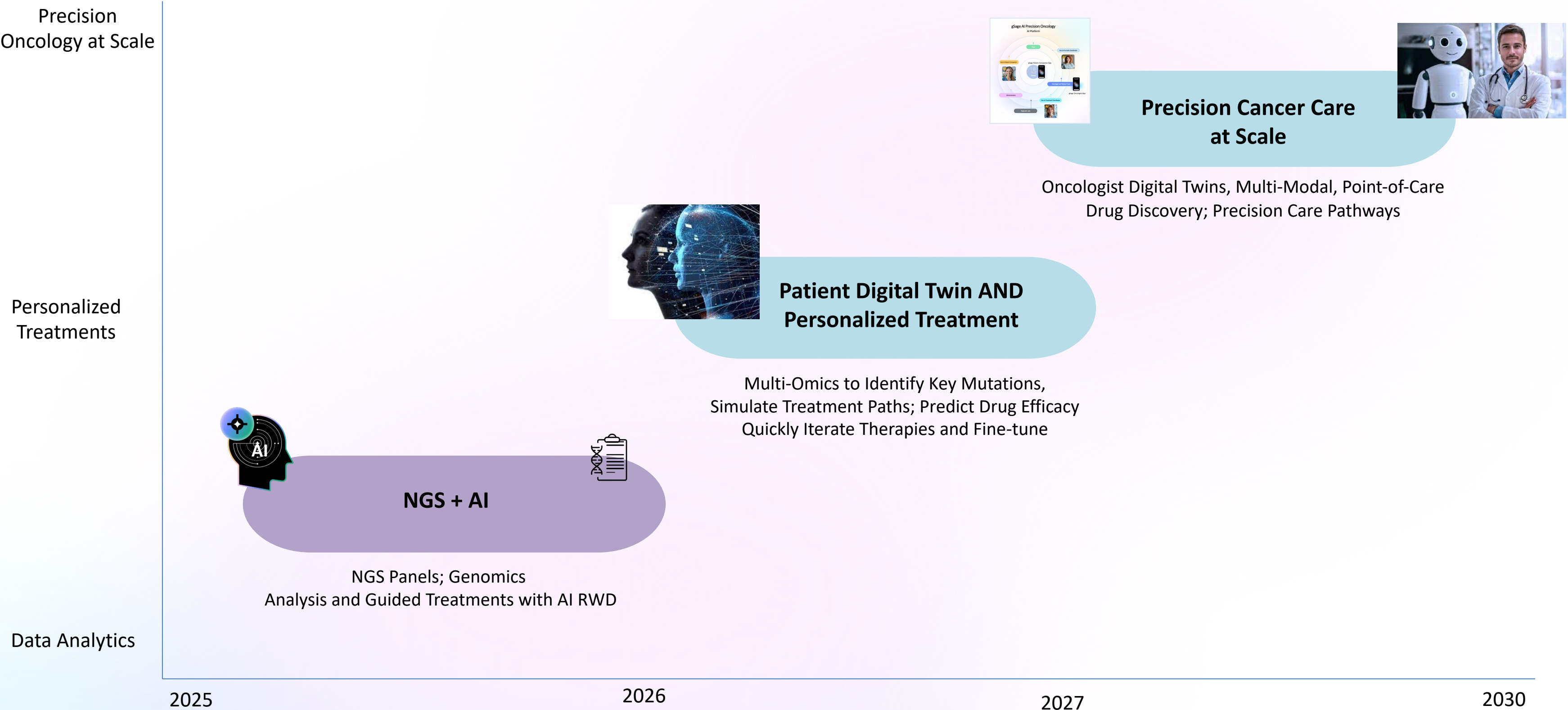
For the future, we envision that personalized medicine will be integrated across multiple cancer indications and during the entire therapeutic journey of these patients, increasing our understanding of the disease and reducing its death toll.



**FEBRUARY 2025**



# PRECISION ONCOLOGY VISION 2025-2030



# GENESILICO DEEP PRECISION JOURNEY 2025

INDUSTRIES FIRST : DEEP PRECISION NGS PANELS PAIRED WITH ONCOLOGY AI

GeneSilico NGS + AI

Oncologist



GeneSilico India Private Limited  
Report ID: GS-01-2025-000123, Bangalore, India. Visit: genesilico.co

Test Performed: Somatic Panel

Report Date: Jan 2, 2025

Result: Positive

8 Clinically Significant Variants, 8 Therapies with Potential Clinical Benefit, 2 Clinical Trials

| Gene / Variant   | Allelic Fraction     | Breast Cancer  | Other Indications | Associated With Resistance | Clinical Trials |
|--|----------------------|--|-------------------|----------------------------|-----------------|
| <b>BRCA2</b><br>c.3544C>T<br>p.R3532W<br>g.32385643C>T<br>Tier 1A<br>Pathogenic  | 2.01% (of 308 reads) | olaparib<br>talazoparib  | -                 | -                          | -               |
| <b>PIK3CA</b><br>c.2080G>A<br>p.E570V<br>g.179230348G>A<br>Tier 1A<br>Pathogenic | 1.58% (of 316 reads) | alpelisib<br>ac2a/taumemast<br>apalisertib/fulvestrant<br>copixosertib<br>Alpelisertib | -                 | -                          | -               |
| <b>PTEN</b><br>c.204C>A<br>p.Y67<br>g.87925553C>A<br>Tier 1A<br>Pathogenic       | 1.51% (of 199 reads) | copixosertib<br>Alpelisertib   | -                 | -                          | -               |
| <b>PTEN</b><br>c.2013G>A<br>p.V133<br>g.87701158G>A<br>Tier 1A<br>Pathogenic     | 1.65% (of 485 reads) | -  | -                 | -                          | -               |



GeneSilico Deep Precision  
Cancer Specific NGS Panels\*

GeneSilico  
gSage Clinical AI Assistant

\* In Partnership with Karakinos, India



GENESILICO OVERVIEW  
2025 © GSIPL

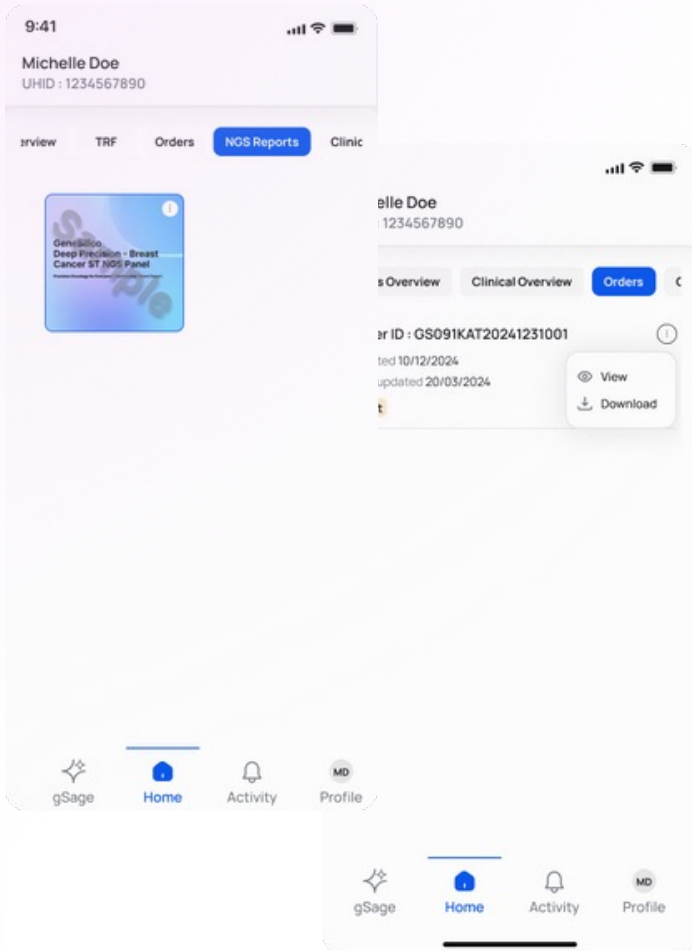
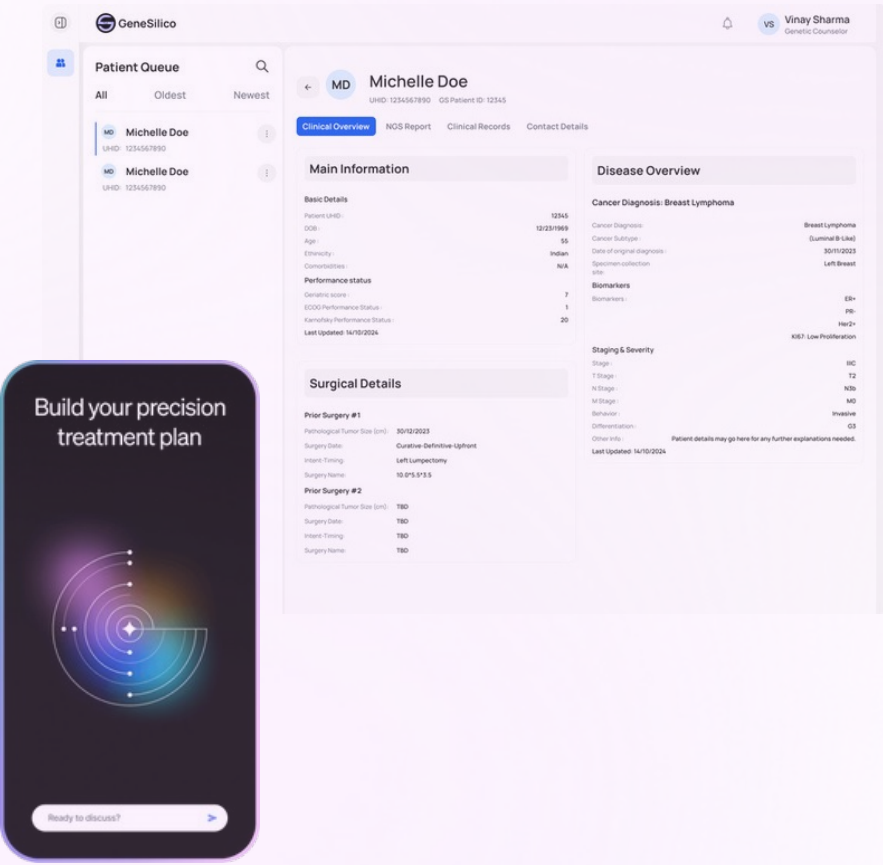
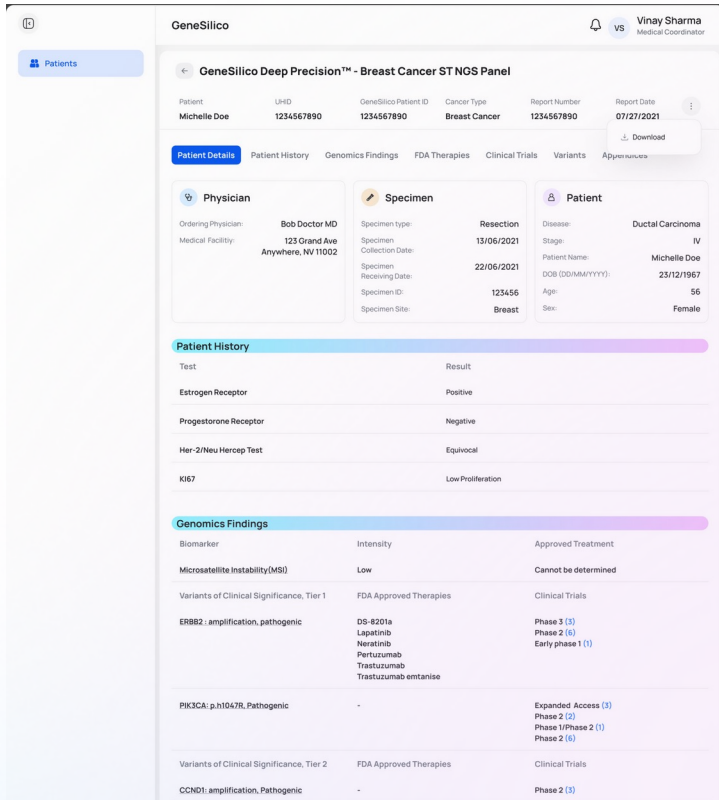


# GENESILICO DEEP PRECISION IN GTM ROLLOUT 2025

GENESILICO DEEP  
PRECISION - BREAST  
CANCER ST **NGS PANEL**

**ONCOLOGIST** POINT  
OF CARE CLINICAL  
MOBILE & WEB APPS

**PATIENT**  
COMPANION MOBILE  
APP



# HOW GENESILICO COMPARES TODAY

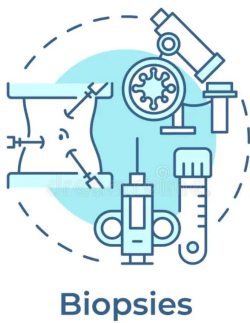
| Attribute  | Gene Silico Deep Precision <sup>TM</sup> | Guardant 360          | Foundation Medicine   | Comments   |
|--|--|-----------------------|-----------------------|--|
| Cancer-Type Specificity                                    | Breast NGS                               | Pan-cancer NGS        | Pan-cancer NGS        | GeneSilico Deep Precision Breast Cancer-Solid Tissue NGS panel covers maximum number of clinically relevant genes relevant to breast cancer<br><br>Lung Cancer-Solid Tissue NGS is on the roadmap for 2025   |
| Gene Coverage & Biomarker Breadth for Breast Cancer        | 68-genes <sup>1</sup><br>32-MSI sites    | 13 genes <sup>2</sup> | 14 genes <sup>2</sup> | 1. Three categories of genes: FDA approved, DNA repair/Drug metabolism related; and targets awaiting approvals and are in late-stage clinical trial.<br><br>2. Comprehensive Gene Panels sacrifice sequencing depth as well as many relevant genes for a specific cancer type. |
| Cost–Value Ratio   | High                                     | Low                   | Low                   | Pay only for the genes that matter   |
| Clinical Trial Matching                                    | ✓ US/Global<br>✓ India                   | ✓ US/Global           | ✓ US/Global           | gSage provides clinical trials local to India  |
| Predictive Scoring of Therapeutic Efficacy                 | 4Q2025                                   | ✗                     | ✗                     | AI chemo-transcriptomic deep learning (Precily) for personalized drug response inference. Possibility of therapeutic success, personalized treatment response inference helps priority order treatments based on odds of success for the patient in hand                       |
| AI Platform and AI Interactive Chat (gSage <sup>TM</sup> ) | ✓  | ✗                     | ✗                     | Oncologist and patient-facing SaaS apps for web and mobile (iPhone, Android)   |
| AI Interpretation of NGS Reports                           | ✓ NGS data<br>✓ Patient dossier<br>✓ IHC | ✗                     | ✗                     | 4Q2025: Vision models for radiology, pathology slide annotations, and transcriptomics-based treatment response prediction  |
| Real-time Variant Re-interpretation                        | ✓  | ✗                     | ✗                     | Genetics with QA for Precision Analysis of BioMarkers And Mutation Understanding and Precision Treatment Path Simulation + Explainability  |
| Integrated Clinical Guidelines                             | NCCN, ASCO, ESMO, +                      | ✗                     | ✗                     | Worldwide integrated data to provide guidelines paired with patient’s precision profile – saves tremendous amounts of time for oncologists   |
| Regional Data  | ✓ India                                  | ✗                     | ✗                     | India: Clinical Trial Matching and regional drug indicative pricing  |
| Peer Insight / Networked Intelligence                      | 2026                                     | ✗                     | ✗                     | Collaboration and secure sharing of patient cases  |



# GENESILICO'S DEEP PRECISION PANEL JOURNEY 2025-2026

## CANCER PATIENT DIGITAL TWIN WITH MULTI-OMICS COVERAGE + AI

### GeneSilico Patient Digital Twin AND Personalized Treatment



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Page 1 of 17

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8 Therapies with Potential Clinical Benefit

2 Clinical Trials

Actionable Variants With Associated Therapies

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| <b>PIK3CA</b><br>c.2080G>A<br>p.E397K<br>g.179230348G>A<br>Tier 1A<br>Pathogenic | 1.58% (of 316 reads) | alpelisib<br>mTOR Inhibitors<br>alpelisib/fulvestrant<br>capivasertib<br>fulvestrant | -                 | -                          | -               |
| <b>PTEN</b><br>c.204C>A<br>p.Y97<br>g.87925552C>A<br>Tier 1A<br>Pathogenic       | 1.51% (of 199 reads) | capivasertib<br>fulvestrant  | -                 | -                          | -               |
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GeneSilico Deep Precision  
Cancer Specific NGS Panels\*

Muti-Omics Coverage  
Drug Response Prediction

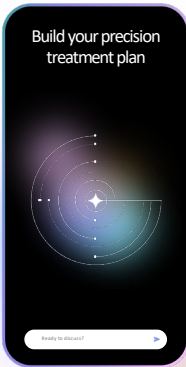
Drug Repurposing AND  
Discovery

\* In Partnership with Karakinos, India

# GENESILICO's AI FOR PRECISION ONCOLOGY AT SCALE

## OPERATIONALIZING ONCOLOGY AI ACROSS THE PATIENT / PROVIDER JOURNEY

### Precision Cancer Treatment AND Care at Scale



For Patient, Please interpret the Genetic NGS Report and Summarize the Findings

Health Outcome Observation and Tracking and Monitoring

Precision AI

Patient Health Observation AI Agents



Train the Treatment Coordination AI BOTS

gSage AI Output

Patient AI EHR Summary AI MRI and Pathological Report Validation Genetic Test Results Interpretation and Therapy Matches Generated Treatment Plan and Actions Report Treatment Schedule and Patient Orientation

AI Agent EHR Summary

Radiology Report

Pathology Report

gSage Oncology AgentOS

PLAN | DISCOVER | INFER | REASON | GENERATE

gSage MULTI\_MODAL Inferencing Agents

Digital Pathology AI Agent (LLM)

MRI to 3D Analysis AI Agent (LLM)

AI Genetic Test AI Agent (LLM)

Drug Matching AI Agent (LLM)

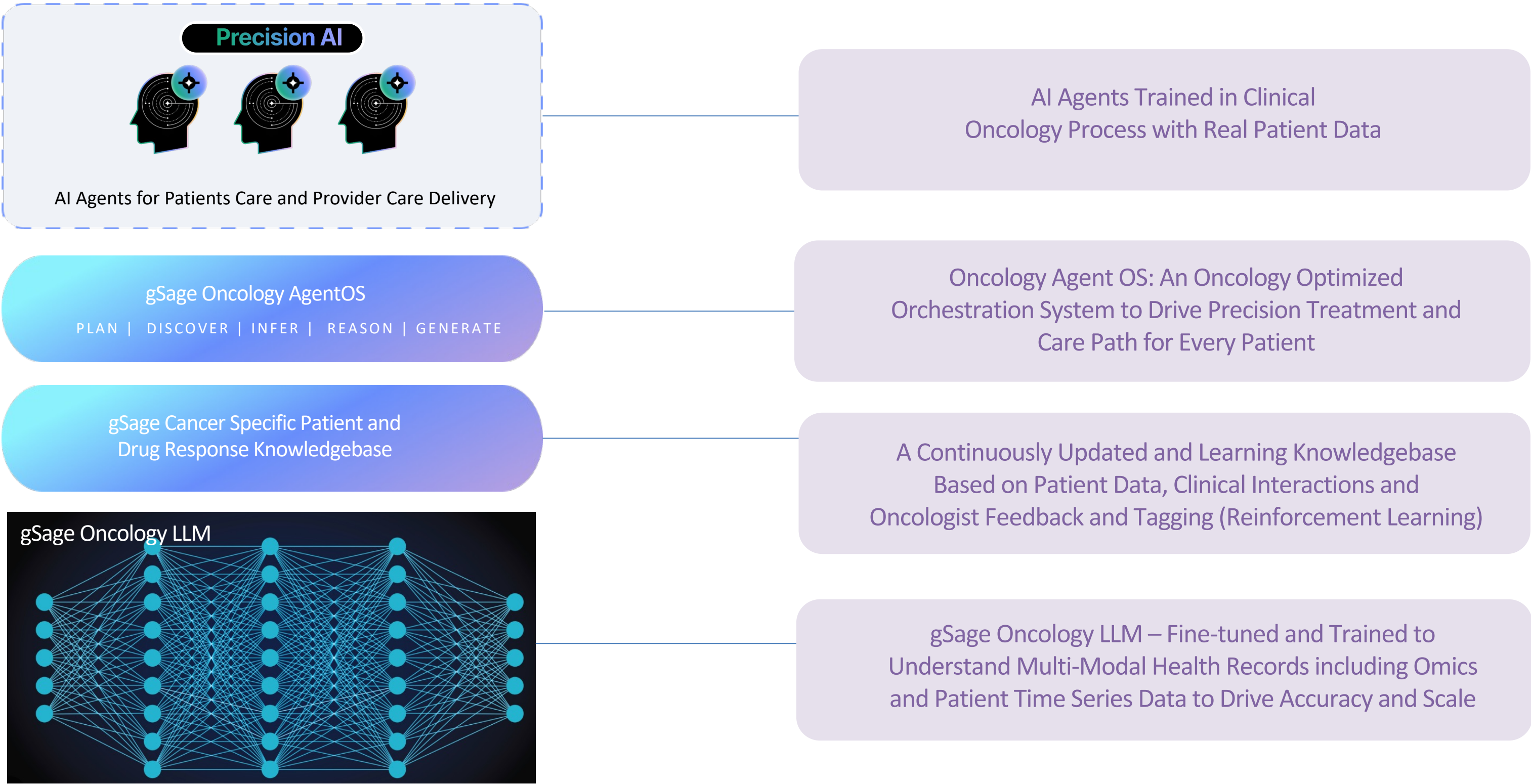
Clinical Trial AI Agent (LLM)

Drug Repurposing for Mutation Outliers AI Agent (LLM)



# GENESILICO'S AI FOR PRECISION ONCOLOGY AT SCALE

## CLINICALLY TRAINED AI AGENTS AND GS LLM FINE-TUNED FOR MULTI-MODAL ONCOLOGY



## SIMULATING CAREPATH, DRUG RESPONSE - BRINGING TUMOR BOARD TO EVERY PATIENT



## gSage: World's leading Precision Oncology Agent, Validated on Live Patients





THANKS, LET DISCUSS  
OPPORTUNITIES

