

/// SAPIENT

# DynamiQ™

INSIGHTS ENGINE



## Multi-omics database and biorepository

**Uncover dynamic drivers of disease and drug response** using our unique combination of multi-omics data, real-world data (RWD), and guided analyses.

With DynamiQ, we can curate guided analyses to answer your specific drug development questions at each phase using:

### Deep phenotyping

We integrate **the largest of breadth of protein, metabolite, and lipid measures that change** with disease, therapy, and exposures, alongside other omics and RWD to decipher complex, multi-factorial diseases.

### Longitudinal views

We look **across timepoints** to assess similarities and differences in patient journeys, to identify changing biomarker patterns and points of intervention.

### AI-ready analyses

Our **nontargeted datasets** are ideal for enabling robust discovery and validation of new biomarkers, targets, and diagnostics leveraging our AI tools.

Sapient's DynamiQ™ Insights Engine is a **database built from our ever-growing biorepository of more than 62,000 samples** collected longitudinally from a diverse population of patients.

### MULTI-OMICS SAMPLE DATA

>5,400 protein groups in plasma

Tumor vs. normal tissue measures

>15,000 metabolites & lipids

>350 cytokines & chemokines

Single nucleotide variants & indels

### LINKED REAL-WORLD DATA

>68M phenotypic data points

Diagnosis & treatments

4 – 10 years of clinical outcomes

60+ diseases represented



Because disease processes & patient journeys **aren't static.**

DynamIQ enables **deep characterization of dynamic molecular processes** that modulate, or are modulated by, disease and exposures.

By combining a diverse breadth of multi-omic measures with harmonized real-world data, we gain a layered view of how disease subtypes manifest and how therapies work in different individuals to **better stratify patients and predict response.**

### Explore cohorts and patient journeys

Enable at-scale comparisons across individuals with complex phenotypes and obtain views of biomarker and treatment-response patterns over multiple years.

### Identify targets in the rapidly expanding druggable space

Uncover disease-modifying, tractable targets that are differentially expressed in tumors vs. normal tissue and identify potential off-target effects.

### Map biomarker dynamics & associations

Evaluate biomarker-disease, -phenotype, -pathways, -genotype associations at population scale, and explore stability and dynamics across time and therapies.

Discover more with **DynamIQ™**

Request a demo to see our Insights Engine in action.

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