

Biomarker ID and patient stratification

Transforming patient care with AI-Powered Biomarker Analysis

Description



Analyze existing omics data - internal or from published datasets - to confidently stratify patients, monitor treatment efficacy and improve clinical trial design.

Expertise include but not limited to analyzing:



Genomics and **Epigenomics**



Transcriptomics



Other omics

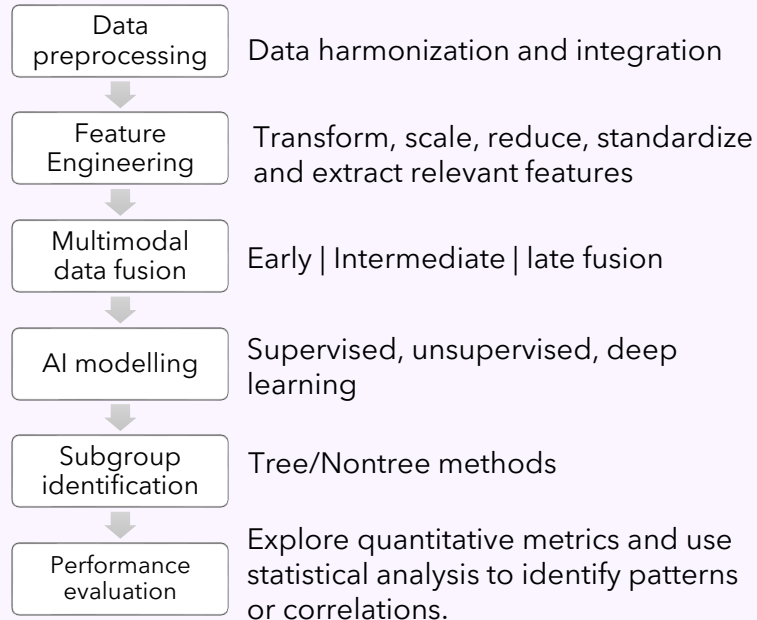
- Single-cell and spatial omics
- Metabolomics
- Proteomics
- Integrative multi-omics
- Pharmacogenomics
- Toxicogenomics

Methodology

Inputs

- Public or client single or multi-omics datasets
- Clinical data; medical records; Real-World Data

Workflow



Output

- Tailored analysis using the most suitable workflow for your data.



Optimize

- Clinical trial design
- Treatment decisions



Develop

- Companion diagnostics
- Investigational assays



Build

- Models and pipelines for systematic evaluation



Discover & validate

- Signatures and biomarkers
- Patient subpopulations
- Mechanism of Action

- ✓ Predictive
- ✓ Prognostic
- ✓ Safety
- ✓ Risk
- ✓ Diagnostic
- ✓ Response
- ✓ Monitoring

- Interactive reports with visualizations and enriched data that enable quicker, cost-effective and informed decisions towards personalized medicine.

Typical Project Timeline

From 4 weeks, subject to complexity