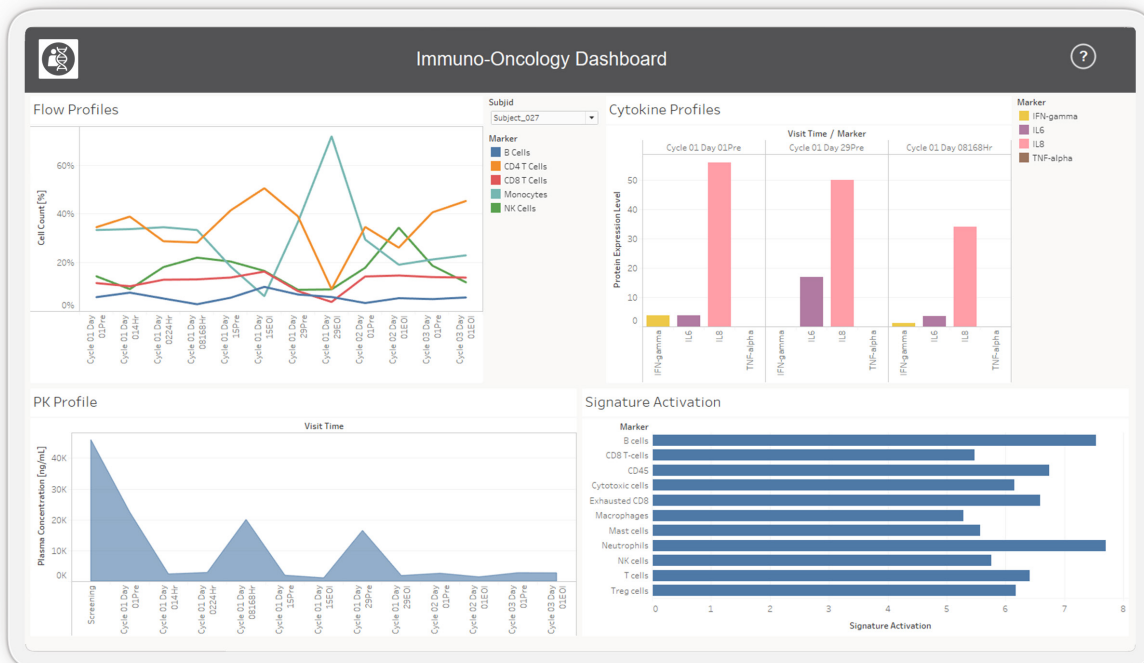Genedata

Precision Medicine.
Digitalized.

PROFILER

Ready to Realize Precision Medicine?

Leverage One Platform for Diverse Biopharma R&D Applications

- ✔ **Biomarker Identification and Validation**
- ✔ **Patient Stratification**
- ✔ **Diagnostic Tool Development**
- ✔ **Drug Repurposing**

- ✔ **Disease Endotyping**
- ✔ **Drug Efficacy Prediction**
- ✔ **Drug Safety Evaluation**
- ✔ **Smarter Clinical Trial Design**

What is Genedata Profiler?

Genedata Profiler is a collaborative data integration and analytics platform that empowers scientists to accelerate insight generation from big data despite its variety in size, format, or source. As the single point of access to multi-dimensional R&D data and innovative analytics, the platform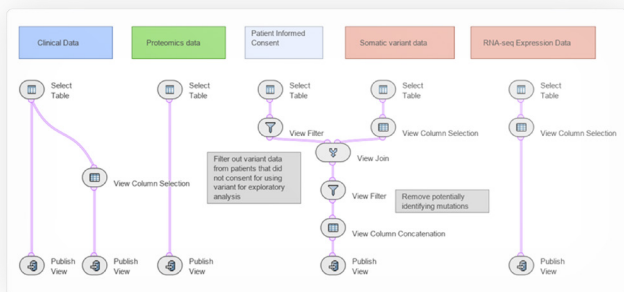 enables scientists to efficiently conduct translational and reverse translational research. Data FAIRness is a core principle of the platform allowing biopharma companies to maximize the value unlocked from their datasets. By streamlining the generation of interoperable data products, Genedata Profiler transforms R&D data into reusable assets ready for diverse consumer applications.
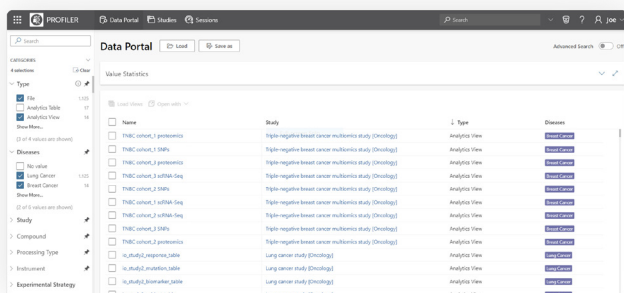
The Data Workflow Within Genedata Profiler

Here is the data workflow supported by Genedata Profiler. It enhances various data-related activities by enabling specific individuals within your organization.
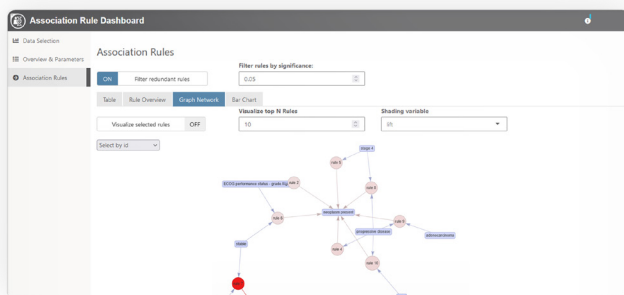
1. Import/Federate different data types from various sources and organize data with access and data handling permissions.

2. Harmonize various data types using the workflow system and create analysis-ready data products.

3. Analyze and visualize data using expert analytics tools, create and share custom dashboards and apps.

4. Find, access and explore data, collaborate with team members and generate valuable insights.

Figure 1. Workflows in Genedata Profiler that facilitate the integration of different data types

Integrate.

Using Genedata Profiler, various R&D data can be ingested or federated from external sources while labeling it with the right metadata to ensure its findability. By providing traceable programmatic access and configurable workflows, the platform automates data processing, harmonization, and integration allowing you to efficiently generate analysis-ready data products with future questions in mind.

Figure 2. Genedata Profiler's Data Portal where users can search for data in several ways

Connect.

The platform equips you to connect analysis-ready datasets to specific user groups by configuring data access and handling permissions facilitating secure data democratization. This ensures all data is in the right hands and is correctly handled in compliance with regulatory authority requirements. Using the platform's Data Portal and its responsive search functions, scientists can efficiently filter many data points to select a few for downstream analysis.

Figure 3. A Genedata Profiler dashboard to identify associations between covariates and disease outcomes

Discover.

Let your R&D data tell its story using Genedata Profiler's expandible analytical toolbox with built-in tools, integrable solutions, and a development environment for creating innovative applications. The platform's high-performance analytics database supports these applications enabling diverse data consumers to efficiently answer research questions in their preferred environment through deep exploratory analysis or interactive visualizations.

Why Genedata Profiler?

Genedata Profiler is not just a platform that digitalizes translational and clinical research but an experienced team that listens and delivers on its promise. Together with our scientific experts, the platform enables you to unlock value from your data according to your goals and desired outcomes. Our customers have highlighted the following beneficial returns upon choosing our solution:

Improved Data Reusability

The platform breaks data silos, significantly improving access to all data products generated during drug development for continuous insight generation. The improved data FAIRness together with controlled data access and enhanced analytics ensures data is not static or inaccessible but continuously reusable and dynamic.

Enhanced Collaboration

Facilitating collective progress is a core value to Genedata Profiler. Sharing data, workflows, analyses, and visualizations is made simple and secure as the permissions ensure governance throughout the process. Collaborating with external organizations such as CROs and CDMOs is seamless due to the open yet secure infrastructure of Genedata Profiler.

Reduced Project Delivery Time

Genedata Profiler provides efficiencies by equipping various data consumers with what they require to answer their research questions accurately, advancing projects much faster. The high scalability of the platform enables biopharma companies to achieve much more with internal resources.

Significant Cost Reduction

By equipping biopharma teams to scale their activities, Genedata Profiler reduces the need to purchase external services. Thanks to its elastic environment, the platform conserves computational resources so biopharma companies only use what they need when they need it.

Data-Driven Innovation

As Genedata Profiler accelerates novel insight generation, it serves as a platform that propels biopharma companies to test untapped approaches and develop unique solutions. Our scientific consultants contribute a wealth of experience and knowledge which convert your data into tangible results.

Faster Time-to-Market

The applications supported by Genedata Profiler allow to improve the success rate of clinical trials. As a GxP validation-ready environment, Genedata Profiler provides the comprehensive information required to streamline reporting to regulatory authorities.