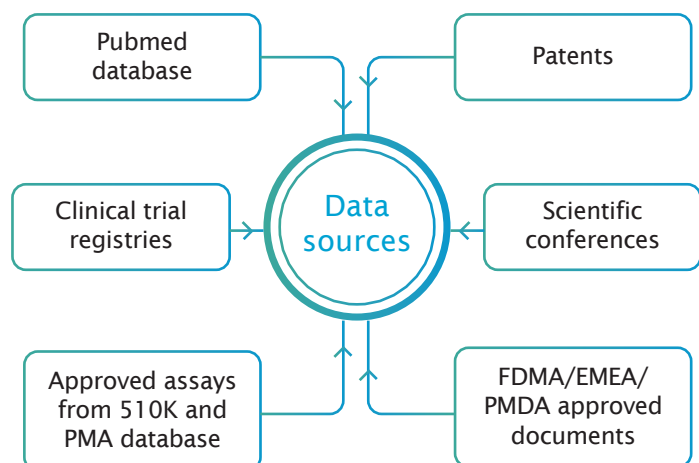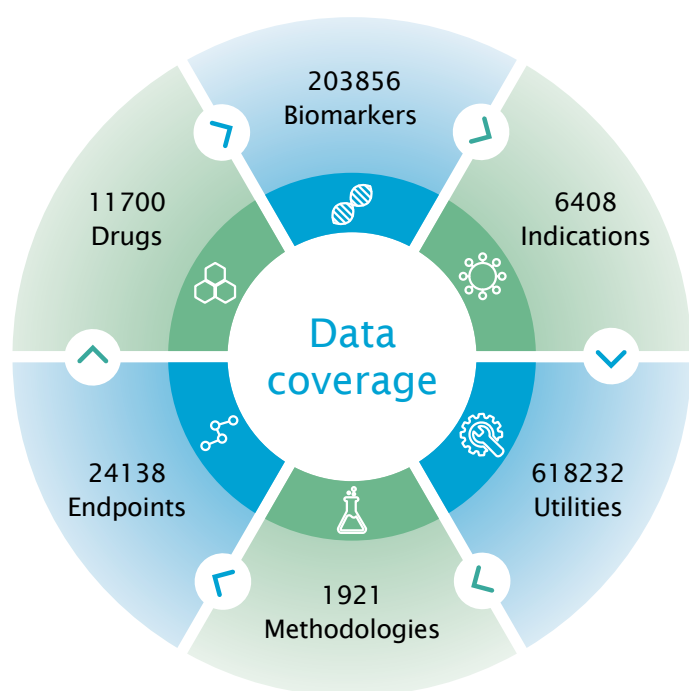# GOBIOM+™
GLOBAL ONLINE BIOMARKER PLATFORM

Empower your drug development with the world's largest biomarker intelligence database

GOBIOM is the world's largest manually curated database of validated and putative biomarkers, providing a comprehensive overview of the biomarker-disease relationship. Integrated with information encompassing the exploratory, preclinical and clinical domains, the database provides critical insights into diagnosis, prognosis, treatment response, safety, efficacy and toxicity. As a one-stop source for biomarker intelligence, GOBIOM enables informed clinical and therapeutic decision making to accelerate drug development.

GOBIOM Data Coverage and Sources

Creating a knowledge-base from diverse sources

- 203856 Biomarkers
- 6408 Indications
- 618232 Utilities
- 1921 Methodologies
- 24138 Endpoints
- 11700 Drugs

Data coverage

Data sources
- Pubmed database
- Patents
- Clinical trial registries
- Scientific conferences
- Approved assays from 510K and PMA database
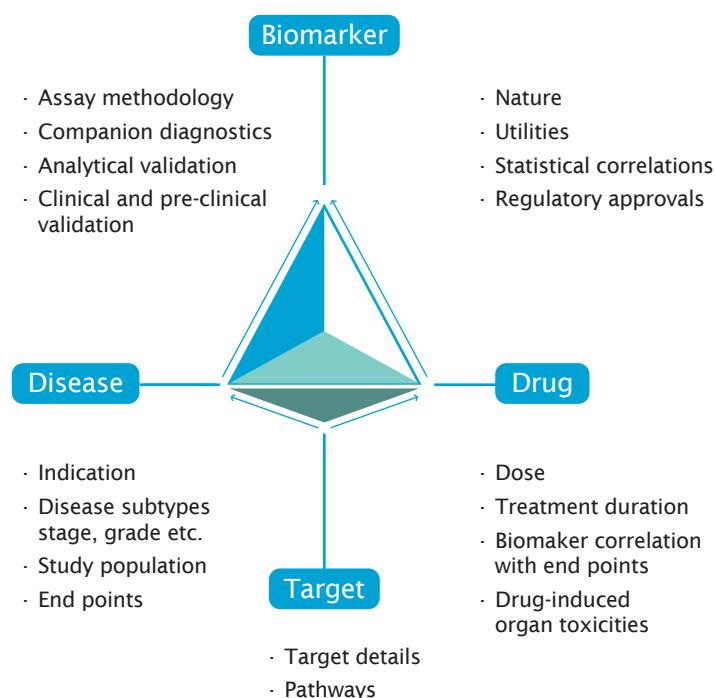- FDMA/EMEA/PMDA approved documents

GOBIOM Data Curation Process

Proprietary techno-manual curation model

The GOBIOM database is meticulously curated by our scalable team of scientific experts who excerpt, enhance, and enrich biomarker data from various sources into a cutting-edge curation application. A variety of biomarker datasets encompassing experimental, pre-clinical, clinical, pharmacological and non-pharmacological, and treatment outcomes is captured using controlled vocabulary and ontologies. Following a stringent QC/QA review process the data is integrated into the end-user platform.

GOBIOM is built upon a proprietary 'tetrahedron data-model' that links biomarker, indication, drug, target and study population to simplify data analysis. As a relational database GOBIOM provides evidence on all possible biomarker utilities, thereby enabling the selection of right biomarkers for your research.

Biomarker
- Assay methodology
- Companion diagnostics
- Analytical validation
- Clinical and pre-clinical validation
- Nature
- Utilities
- Statistical correlations
- Regulatory approvals

Disease
- Indication
- Disease subtypes stage, grade etc.
- Study population
- End points

Drug
- Dose
- Treatment duration
- Biomaker correlation with end points
- Drug-induced organ toxicities

Target
- Target details
- Pathways

GOBIOM Features

Informative, Intuitive, Intelligent

Intuitive search mechanism

User-friendly interface

Flexible export options

Insightful data visualizations

Analytics tools & report generation

Micro service architecture

GOBIOM Applications in Drug Development

Powering an array of versatile applications

Target identification

Safety/toxicity profiling

Clinical trial insights

Clinical decision support

Drug repositioning

Competitive intelligence

Our Clients

Pharmaceuticals

Biotech

Research and Academia

AI/ML Driven Drug Discovery Companies

Contract Research Organizations

For more information, visit https://www.gobiomdbplus.com/

excelra

About Excelra

Excelra's data and analytics solutions empower innovation in life sciences across the value chain from discovery to market. The Excelra Edge comes from a seamless amalgamation of proprietary curated data assets, deep domain expertise and data science. The company's multifaceted teams harmonize and analyse large volumes of disparate unstructured data using cutting-edge technologies. We galvanize data-driven decisions to unlock operational efficiencies to accelerate drug discovery and development. Over the past 18 years, Excelra has been the preferred data and analytics partner to over 150 global clients, including 15 of the top 20 large Pharma companies.

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