

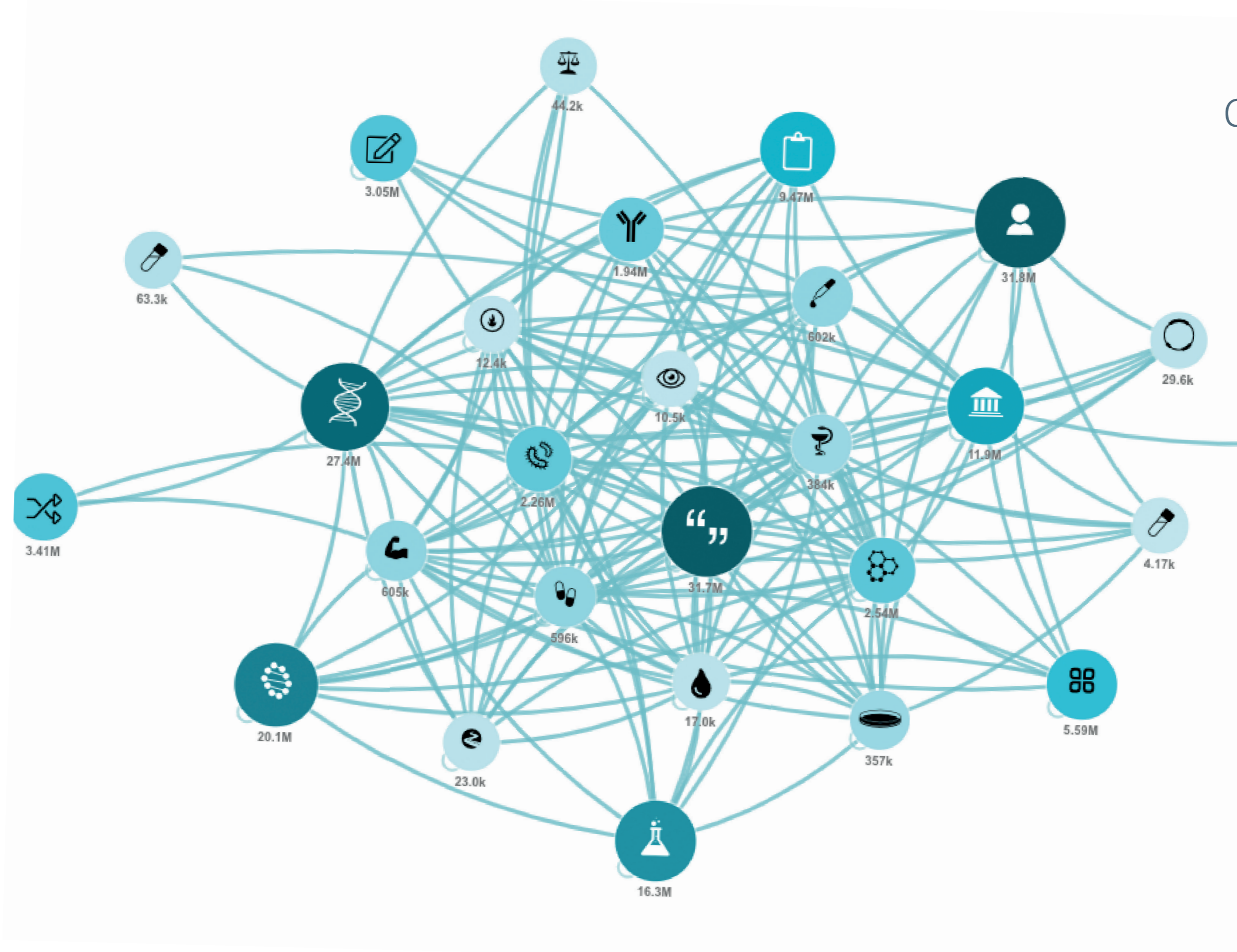


Accelerating drug development with NLP and knowledge graph technology

LEVERAGING THE POWER OF A KNOWLEDGE GRAPH AND NLP TO EXTRACT MEANINGFUL INSIGHTS FROM STRUCTURED AND UNSTRUCTURED DATA

DISCOVER is ONTOFORCE's knowledge discovery platform that enables users to efficiently search, aggregate, and analyze vast amounts of scientific and biomedical data from private, public, and licensed data sources.

DISCOVER uses the powerful concept of a **knowledge graph** to integrate, link, and structure data – turning siloed data sources into a single, uniform, and high-quality knowledge base.



Text mining for unstructured text data like scientific literature, clinical trials, market reports, and more is also possible within DISCOVER thanks to NLP functionalities.


DISCOVER's NLP pipelines use a combination of life-science trained language models, natural language processing, and rule engines to extract attributes and relationships that would otherwise be buried in an organization's data.

Enhance understanding and decision-making to **accelerate processes** across the drug development lifecycle



DISCOVER


enhanced with NLP



R&D

Example use cases:


- Biomedical: Spot references to new targets or biomarkers in literature
- Document Classifier: Find documents relevant to a research topic.



Clinical

Example use cases:

- PICOS: Filter trials for specific patient parameters to support precision medicine research.
- Biomedical: Identify biomarkers to improve diagnosis, treatment and health outcomes.



Regulatory

Example use cases:

- SmPC: Gather data for regulatory submissions quickly and accurately.
- SmPC: Find and check existing submissions when the regulatory landscape changes.



Cross-Functional Intelligence

Example use cases:

- Biomedical: Quickly identify diseases or targets being worked on by particular institutions or sponsors.
- PICOS: Identify competitors working with specific patient populations.