

Supporting the digital transformation of life science research



The increasing complexity of scientific research is driving a **revolution in life science laboratories**.

Traditional methods are no longer sufficient to handle the exponential growth of data and the need for more efficient experimentation, data analysis, and collaboration.

A digital transformation is essential to reduce costs, shorten time to market, minimize waste, and enhance reproducibility.

Streamlining data analysis



Issue



Poor data quality (not having FAIR research data) could cost the EU economy **€26 billion** a year*



* Source: European Commission & PWC

How we help



Springer Nature has over 6 million machine-readable FAIR data sets available via APIs

How we help



Springer Nature allows industry to combine our data with their assets to find new connections and train LLMs

How we help

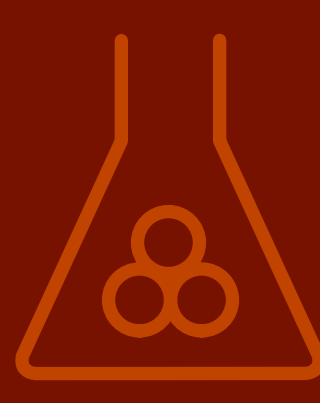


Nature Navigator uses AI summarization technology to turn data into actionable insights



Products

Text and Data Mining (TDM) & **nature research intelligence**



Improving Reproducibility



Issues



70% of scientists said they'd failed to reproduce another group's experiments.**

** Source: Nature survey of 1,576 scientists - <https://www.nature.com/articles/d41586-019-00067-3>

*** Source: The Impact of Protocol Amendments on Clinical Trial Performance and Cost - <https://link.springer.com/article/10.1177/2168479016632271>

How we help



Springer Nature has **Over 100,000** protocols shared by researchers worldwide

How we help



Researchers can precisely replicate experiments, enhancing reproducibility

Substantial protocol amendments cost on average **\$141,000*****



Products

Springer Nature Experiments & **protocols.io**



Accelerating Drug Discovery



Issue



The average cost of developing a new drug is **\$2.8 billion******

**** Estimated Research and Development Investment Needed to Bring a New Medicine to Market, 2009-2018

How we help



Researchers can analyze clinical trials, pharmacology, and safety profiles to deliver new drugs faster

How we help



Our pharma insights AI assistant unlocks drug insights quickly

Product

Adis Insight



Facilitating collaboration



Issue



Finding scientific collaborators to accelerate research, strengthen relationships and drive impactful discoveries

How we help



With real-time data research teams can identify collaboration opportunities, understand the latest research trends, and guide strategic decisions

How we help



Joint workspaces, concurrent editing and discussion features allow you to collaborate on your research with colleagues across the globe

Products

nature research intelligence & **protocols.io**



Springer Nature Experiments

protocols.io

Text and Data Mining (TDM)

nature research intelligence

Adis Insight



Accelerating the full R&D lifecycle