

Enrich and curate data to reveal hidden insights

SciBite's enrichment and curation tools help research teams turn complex documents into structured, connected data.

Scattered research data makes it difficult to uncover connections and extract insight. To move faster and innovate with confidence, R&D teams need accurate, enriched data ready for analytics and AI.

SciBite's enrichment and curation tools use domain-aware Natural Language Processing (NLP) to identify entities, map relationships and capture context across scientific disciplines. Transform unstructured text into clean, connected data to spark discoveries.



1M

Words indexed per second



20M

Synonyms tuned for NER text analytics



23

NER machine learning models



80+

Domains

Find, connect and act on critical data with SciBite's enrichment and curation tools.

Enrich and connect your data

Locate key entities and relationships across millions of documents ranging from literature to patents and grants.

Enhance search and discovery

Boost the accuracy of internal search tools and make it easier for teams to find critical information quickly.

Support teams across your organization

Enable research and operational teams to enrich text from literature, patents, Electronic Lab Notebooks (ELNs) and other internal sources.

Optimize analysis and integration

Run one-off or routine analyses within existing systems, with ongoing updates and support to keep your data and tools current.



Enhance data confidence with enrichment and curation tools

Turn text into structured knowledge

Extract key concepts from raw data using the Named Entity Recognition (NER) engine and ground your workflow with AI-ready data to derive critical insights.

Align your data with industry standards

Our enrichment and curation tools are built on SciBite vocabularies, which are based on public ontologies and expertly curated to optimize for NER.

Bring your own domain knowledge

Upload custom vocabularies or expand SciBite vocabularies with concepts tailored to your specific use case.

Unify and access your data sources

Manage content pipelines across proprietary and public data sources using a range of out-of-the-box connectors.

Build integrations with flexible APIs

Create your own integrations with SciBite APIs and transform siloed content into a common, enriched data format ready for downstream applications.

The screenshot displays the SciBite Annotate web application interface. At the top, there's a navigation menu with 'Annotate' selected. Below it, the 'Annotate' section has two options: 'Annotate Text' (selected) and 'Annotate File'. The 'Settings' section includes 'Vocabularies' with a list of selected vocabularies like 'ADVENT', 'ALLOTHROM', 'ANAT', etc. The 'Configuration' section has three toggle switches: 'boost', 'caseMatch', and 'rejectAmbig'. The 'Filter' section has a 'Vocabulary' dropdown and a 'Search Taxonomy' field. The 'Input' section contains a large text block with scientific text. The 'Hits' section shows a table of results:

Type	Name	ID	Hit Synonym
ADVENT	lung neoplasm malignant	ADVEN04676	Lung Cancer; lung cancer
ALLOTHROM	model	AFR_0000993	models
ALLOTHROM	event	AFR_0003737	events
CHEMDEM	deoxyribonucleic acid	CHEBI_14991	DNA
CHEMDEM	platinum	CHEBI_33364	Platinum; platinum
CHEMDEM	platinum molecular entity	CHEBI_33749	platinum compounds
CHEMDEM	cisplatin	CHEBI_27999	cisplatin
CLINTRIC	Drug Therapy	004358	chemotherapy
CLINTRIC	Therapeutics	011812	treatment
CLINTRIC	platinum based chemotherapy	080000	platinum-based chemotherapy
DOR	lung cancer	D001324	Lung Cancer; lung cancer
DRUG	Adjuvants	CHEMBL1176040	AZD1775; MK-1775
DRUG	Cisplatin	CHEMBL11299	cisplatin
HOMOGENE	WEE1	HMNC12761	WEE1
HOMOGENE	PAXP1	HMNC3624	PAXP1
HOMOGENE	BRCA1	HMNC1100	BRCA1
HOMOGENE	CASP3	HMNC1058	CASP3
HOMOGENE	CDK1	HMNC1722	CDK1
INDICATION	Lung Neoplasms	0008175	Lung Cancer; lung cancer

Visualize, review and curate semantic annotations in annotation view.

Optimize your data management with [SciBite](#). Discover, innovate and develop with confidence, supported by trusted quality information, innovative technology and scientific expertise. Let's shape progress together.

Learn more about SciBite: elsevier.com/products/scibite

