

Ground agentic systems in semantic knowledge from Galactic AI™

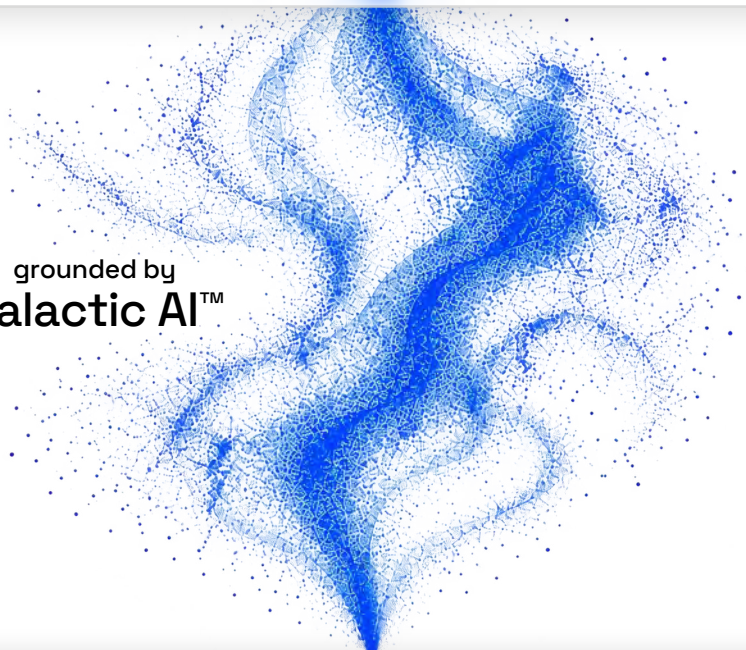
Galactic AI™ provides the ontology aligned layer of citable cause-and-effect evidence that gives any LLM the domain accuracy and evidence coverage foundation models alone lack.

ASK A QUESTION

Which diseases are associated with BRCA1?



grounded by
Galactic AI™



GROUNDING RESPONSE

BRCA1 - disease associations

Disease	Relationship	Sources
		[1]
		[2]
		[3] [4]
		[5]

Complete

Across well-characterised targets, Galactic AI™ v3 retrieved **up to 185× more biological relationships than GPT-5**, which omitted core facts documented tens of thousands of times.

Consistent

Galactic AI™ v3 returns the **same facts every time**, compared to only 28% consistency between repeated queries to GPT-5.

Trusted

Every relationship & annotation links back to its source publication, so biologists can **trace and verify each claim** instead of trusting an opaque model.

“ A known LLM sceptic on our team came away convinced. Everyone who’s touched it is really, really digging it. ”

The Problem:

Data-driven drug discovery needs structured causal evidence to support mechanistic target & biomarker discovery; however, this information is locked in the literature.

The Biorelate solution:

Galactic AI™ is Biorelate's LLM-native curation engine that identifies, extracts & structures biomedical entities and the relationships between them.

Fine-tuned LLM models for NER and RE trained on **10+ years** of curated data & insights.

Cross-sentence discovery yielding **3x more relationships** vs sentence-bound NLP.

Instant ontology updates to expand your research space without re-processing the entire corpus.

61M

processed documents

358M

linked cause-and-effect relationship mentions

55.7M

unique cause-and-effect relationships

3.5B

entity annotations

Combined NER+linking precision

93%

Relationship extraction precision

82%

Data compared to human curated gold standard.
Full model performance benchmarks available on request.

23

entity classes e.g. genes, cell lines, animal models, drugs etc.

8

relationship classes

Galactic AI™ works with your existing stack, choose your integration:

Galactic Data

Relationships and entity annotations delivered as downloadable parquet files to integrate into your own graph, warehouse or ML pipeline.

Galactic API

REST access to connect our data to your apps, with no infrastructure overhead.

Galactic Web

A co-scientist workspace to navigate cause-and-effect paths, biomarker search, etc., with cited evidence.

Galactic Processing

Deploy our models inside your own infrastructure to curate your licensed & proprietary content.

Statistics from Galactic AI v3.4, Sept. 2026

Visit us for a walkthrough

Booth 426, opposite Theatre 7

biorelate.com

