



CONNECTING IMMUNO-ONCOLOGY

To identify emerging trends in targets and checkpoints

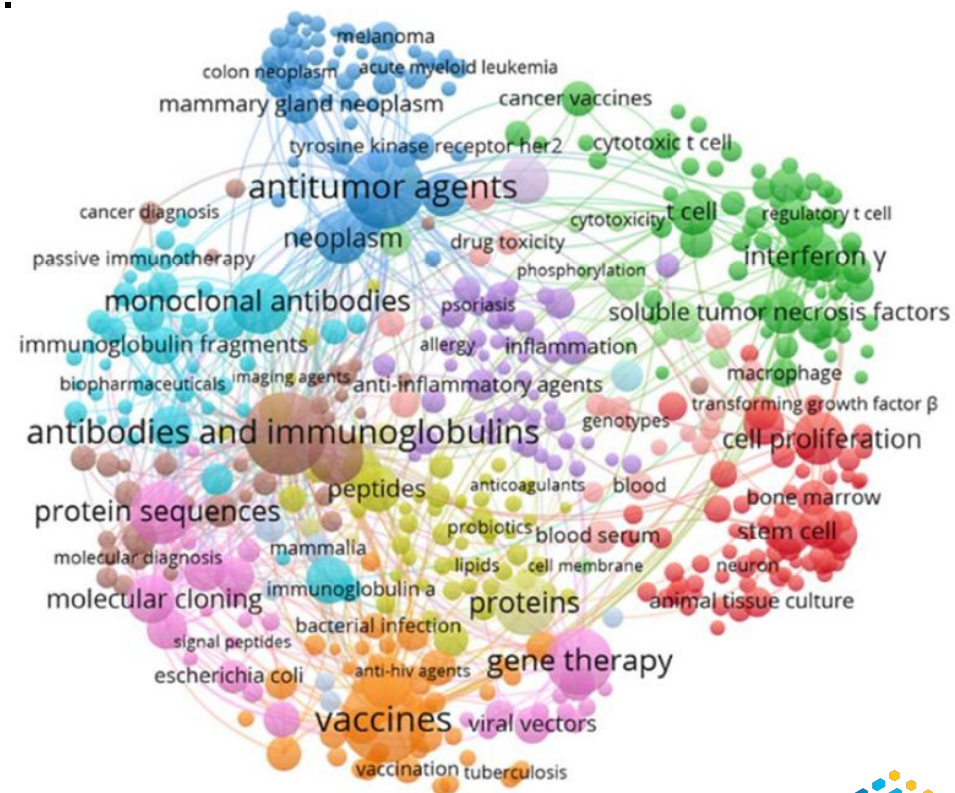


Solving the big scientific information challenges

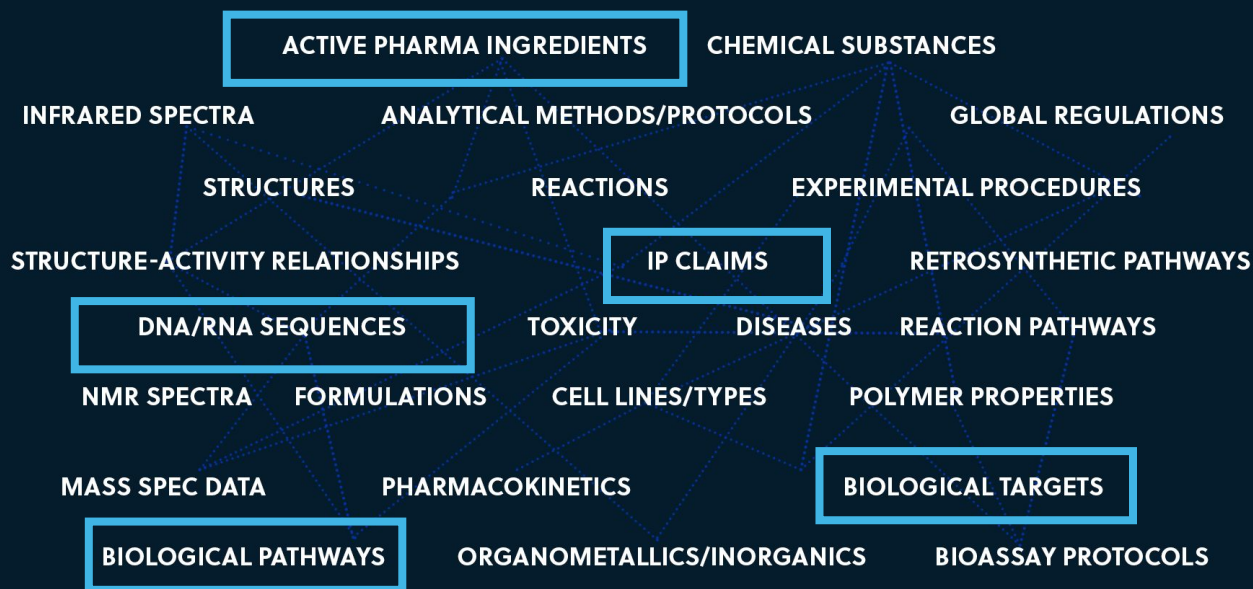
Accelerate progress and capture new opportunities

The burden of acquiring, managing, and analyzing high-value information is slowing discovery and obscuring opportunities.

- 1 High volume** of data scattered among MANY disconnected sources (open source, purchased data, in-house data), limiting holistic perspective
- 2 Lack of consistency** and standardization across data, hindering effective integration and analysis
- 3 Poor compatibility** between diverse content and portfolio of software solutions, blocking deeper insights and prediction



CAS connects you to the world's published science for better insights



Over
50
K
scientific journals
and documents

Over
25
0
Million
substances

Over
50
languages
translated

10
9
patent offices
worldwide

How did we identify the connections?

Expert scientists combined with a wide range of ML tools to optimize connections

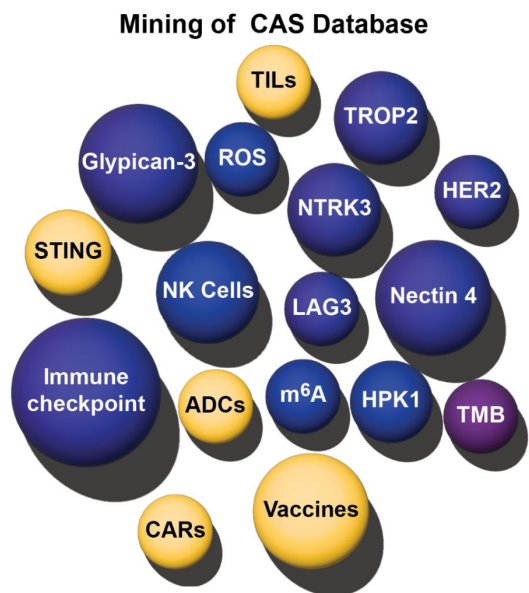
CAS Content
Collection™

Deep dive into
the
Immuno-oncol
ogy space

Data
Extraction

NLP and Human expertise
integration

Curated,
modeled data
Journals,
patents,
emerging
concepts



DATA EXTRACTION

Title
Abstract
Year of Publication
Type of Document
Citations

Natural Language Processing and Curation by SMEs

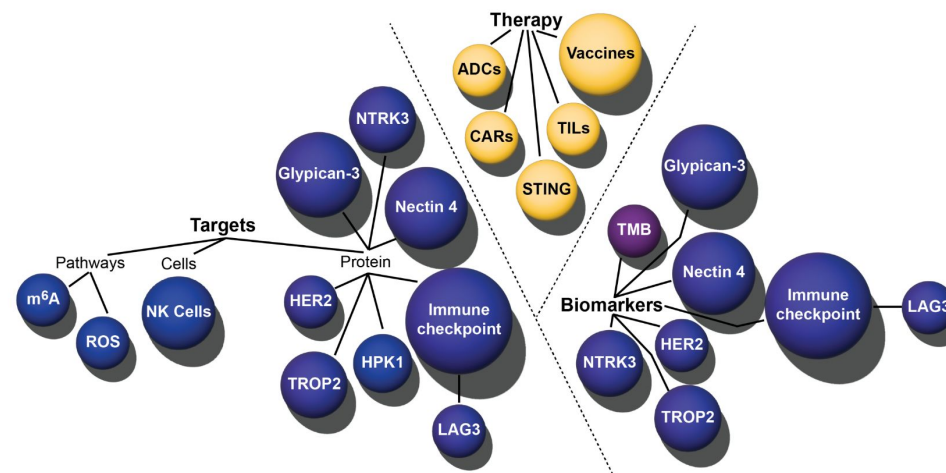
Pick up phrases that are 1-6 words in length

Generate publication and citation rates, as well as relative growth

~8,000 results

Manual processing by SMEs

Grouping of similar concepts and hierarchical classification



CAS TREND LANDSCAPE

Explore emerging trends in immuno-oncology

Where is the field of immuno-oncology headed? We've revealed the fastest growing areas of research among patents and journal publications so you can identify emerging opportunities sooner.

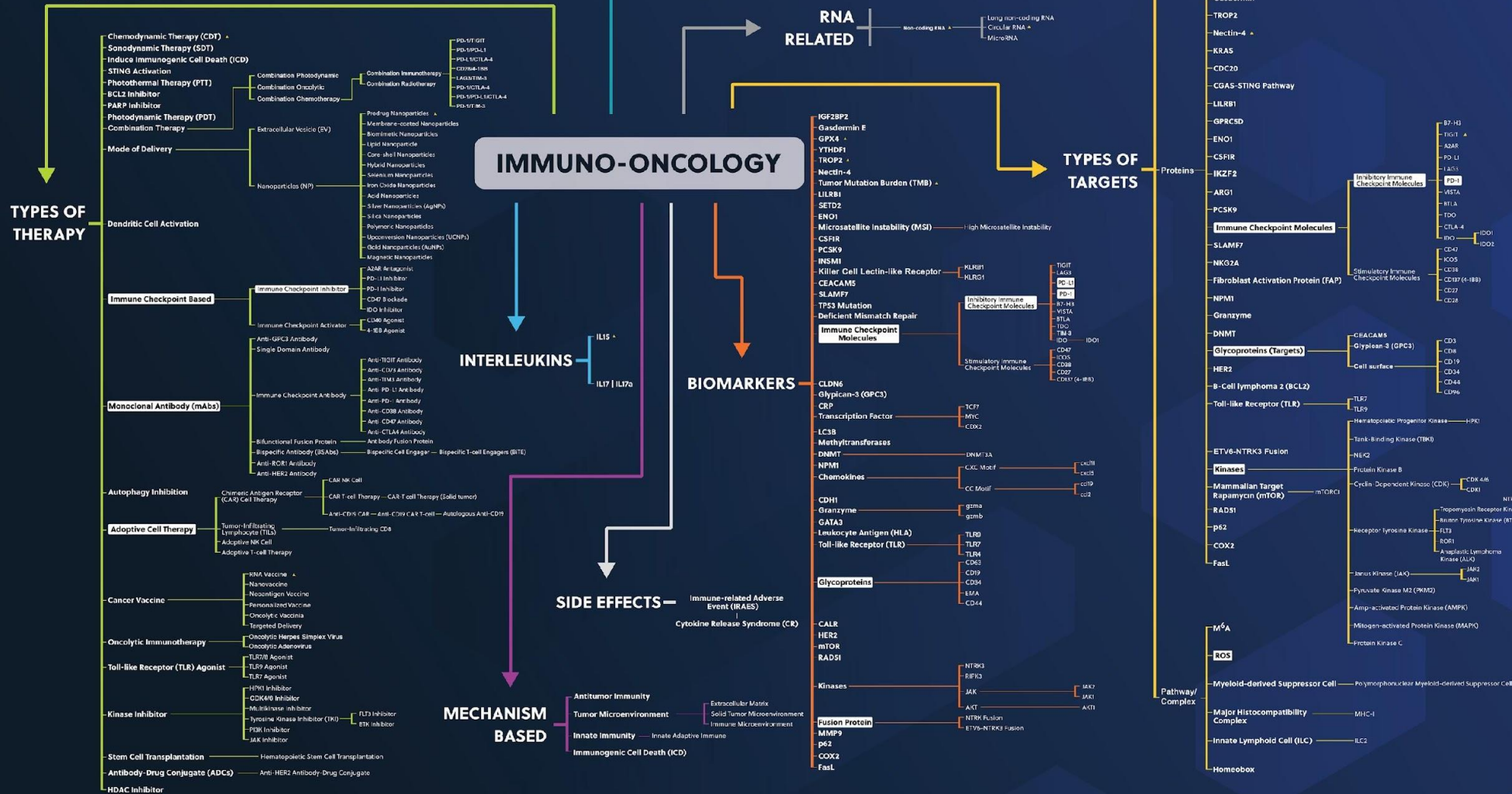
Stay ahead of the changing landscape across disciplines and industries.

Gain a new perspective at cas.org/insights

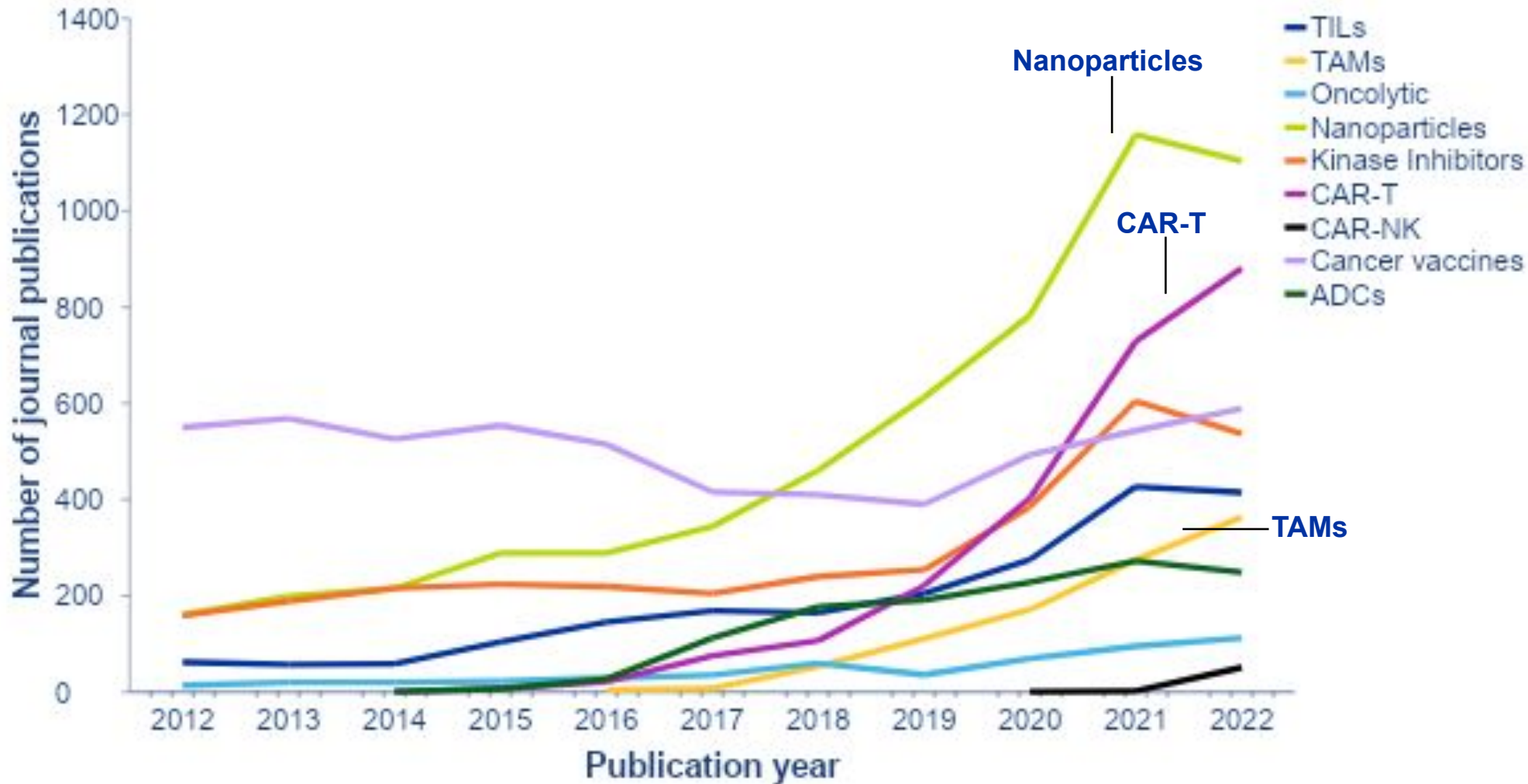
How to read the CAS Trend Landscape

- Concepts are prioritized vertically by growth rate within each node
- Well established areas of research with the highest publication volumes are boxed in white

▲ Emerging area of research

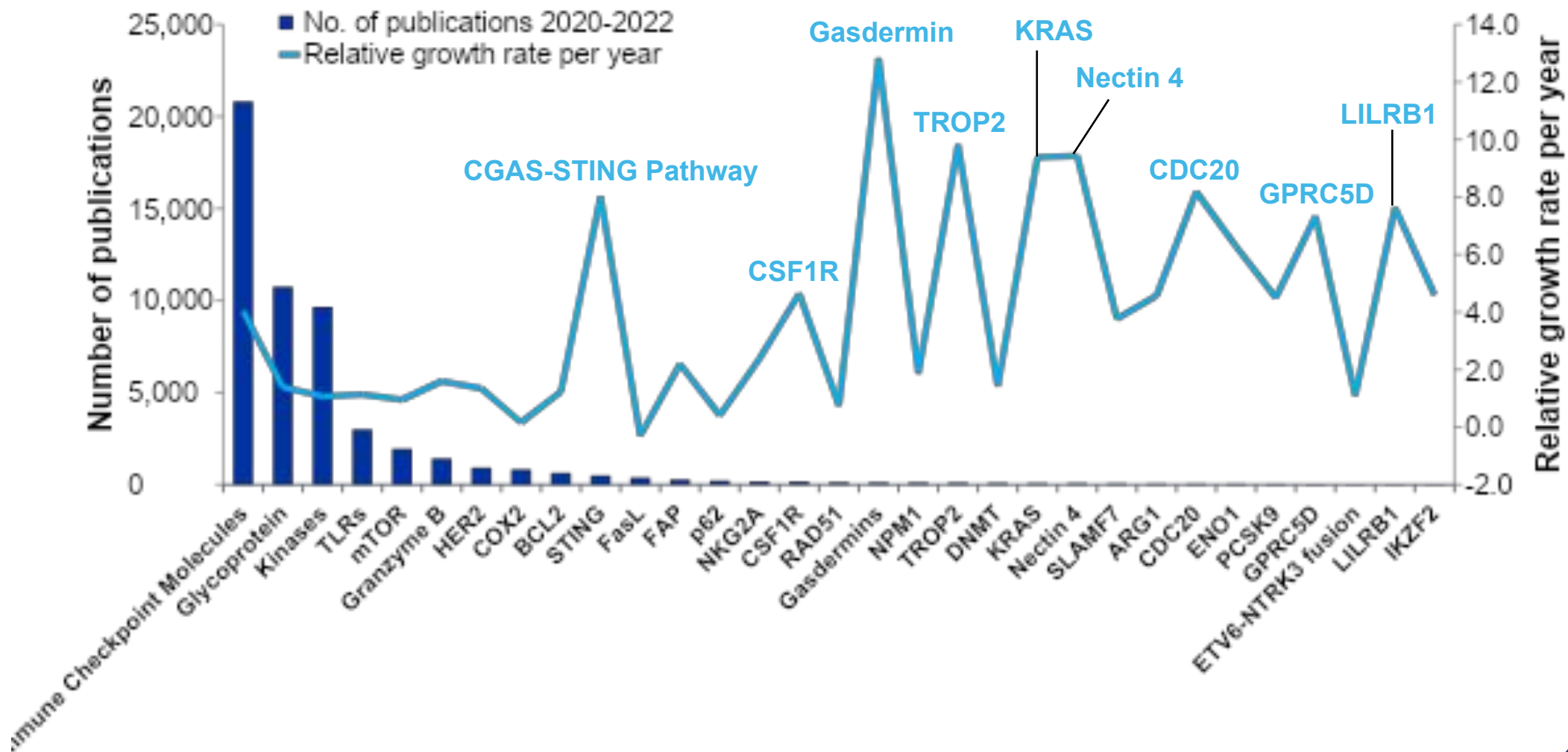


Emerging concepts growth in journal publication



Target proteins

Fast growing while still in early phase



Tailored access to CAS capabilities maximize the value of scientific data

Unparalleled content

Largest collection of connected scientific data curated by scientists and customizable for your unique applications

Specialized technology

Leading innovator in management, search, and analysis of scientific data including development of CAS Registry Numbers[®] and CAS SciFinder Discovery Platform[™]

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Hundreds of scientists and technologists speaking over 50 languages with unique experience managing scientific information

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Connections across data silos

Data integration for enhanced productivity

Much more...

Gain insights on emerging therapies and more



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