

INGENUITY PRODUCTS AND SERVICES: WebASK

Overview

WebASK enables computational biologists to access information in Ingenuity's knowledge base to answer sophisticated and targeted biological questions. WebASK is a query tool that is based on a database query language similar to SQL, but more expressive.

Benefits

Enables complex scientific queries: With WebASK, computational biologists can easily ask targeted, multidimensional questions that cannot be answered through basic search tools.

Yields relevant results: WebASK queries are run over Ingenuity's knowledge base, which was designed for computation and inference. These high-quality, detail-rich findings are reviewed and manually curated by Ph.D. scientists from the full text of peer-reviewed articles—so the information researchers retrieve is current, accurate, and relevant.

Access to ASK Wizard Library: Leverage hundreds of pre-designed WebASK queries to access information more rapidly and easily.

Query Examples

Drug Interactions

- Which antineoplastic drugs are in clinical trials for a new (non-cancer) indication?
- What affect does a particular drug have on other proteins and which pathways are those proteins associated with?
- In terms of proteins affected, how do aspirin and acetaminophen differ?

Transcriptional Regulation

- What transcription factors bind to the promoter elements bound by E2F1?
- What promoter elements regulate kinase expression?

Biological Context

- How does the SH2 domain of proteins affect different cells?
- EGFR acts on which chemicals AND in which cells/cell lines?
- Which proteins are localized to the nuclear membrane?

Licensing

To start answering sophisticated questions of Ingenuity's knowledge base, one can obtain a license to WebASK. Licensing includes:

- Access to WebASK
- Training by Ingenuity ASK experts
- Access to the ASK Wizard library

For more information regarding WebASK and to request the development of a quote for your specific technical configuration, please contact your Ingenuity Account Executive or email sales@ingenuity.com