



JUMPER

BioPharma faces tremendous pressure to improve R&D productivity.

Drug discovery and development is an information discipline. The central competitive advantage is the facility and speed with which scientists can access, manipulate, and share information. Systems biology, however, has changed the nature of research. It deals with a wide-range of heterogeneous data from numerous sources and disciplines, such as, genomics, patients, and enzyme-linked assays—virtually any kind of research data in any form. The challenge is that the industry is swimming in an ocean of distributed, highly-fragmented data that needs to be parsed and channeled into useful information. The key to improving early stage decision making is to empower scientists with all the necessary information, both public and proprietary, necessary to make well-informed, fully validated decisions. Jumper offers tools that broadly encourage the sharing of information and bring knowledge out in the open for everybody to use.

Harnessing the explosion of data. Locating and accessing information consumes a vast amount of time and resources. There are simply too many data sources to even remember that they all exist, never mind remember all of the information that relates to your field of study. It has become ineffective and time-consuming for scientists to interrogate sample data by jumping from one data source to another due to the abundance of data sources, the varying formats of the data, the differing user interfaces, the time required to comb through search results, the duplicate discovery and development systems, and the multidisciplinary requirements. A new way is clearly needed to effectively locate, channel, and search all this data.

Access a Collective View of Data. Jumper allows you to search any data, in any format, in any location from a single interface. It provides a wider and more-inclusive search with much greater depth and detail about the data. Simple references identify quality resources, user-contributed information adds real-world knowledge, and user-created reviews sort out the best resources. Jumper delivers a virtual aggregation layer across any and all data sources both public and private using the latest Web2.0 workflow technologies. It empowers users to describe, classify, annotate, audit, track, link, integrate, and discover information about any data. Jumper helps you build a higher level of collective intelligence that grows organically, self-organizes, and captures the knowledge that exists in abundance across the enterprise.

Build a Collaborative Environment. Jumper allows you to search the collective memory, knowledge, and experience of all your colleagues. It delivers access to a more diverse set of data, captures and shares knowledge across disciplines, and ultimately improves early development stage decision making. Sharing data is fundamentally important to this process. Making data easily available promotes and reinforces open scientific inquiry, allows research conclusions to be validated or refuted by peers, enables new analysis to be performed, prevents unnecessary duplication of effort, and allows a more rapid pace of scientific discovery. It is clear that new knowledge, novel conclusions, and unanticipated insight can be obtained by building and maintaining a data-sharing and knowledge-exchange infrastructure. Start sharing insights today with Jumper.

