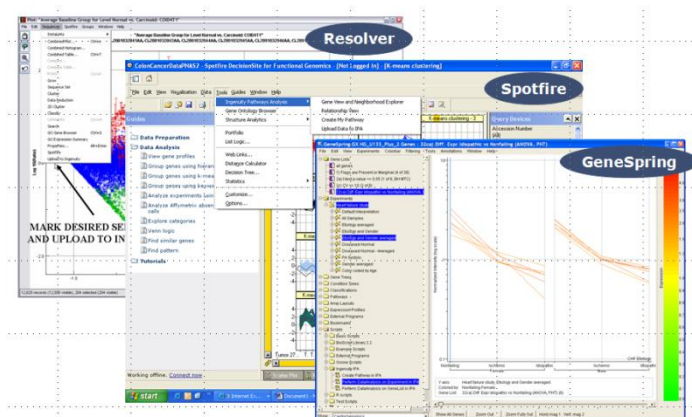


## INGENUITY PRODUCTS AND SERVICES: IPA Integration Module

### Overview

The IPA Integration Module (IPA-IM) provides simple, lightweight URLs to enable direct links from third-party or in-house bioinformatics and biological search applications, documents, and reports to the biological and chemical content and analysis capabilities in IPA. By directly linking software and documents to IPA, biologists and chemists will be able to quickly traverse from the sites that they routinely use in their research workflows to:

- Rapidly gain biological insight and understanding from their experimental datasets by uploading and analyzing data in IPA that is stored internally in proprietary data warehouses and applications.
- Access a comprehensive overview of scientific findings for a given gene or chemical and obtain detailed information on those molecules including biological functions, molecular interactions and regulatory events, pathways, and pharmacological relevance.
- Review a comprehensive list of the supporting evidence for any relationship between two genes.
- Create and store new pathways from lists of genes.
- Upload datasets and run analyses in a more automated fashion.



### Common Workflows:

- Seamlessly pass an experimental dataset from a third party or in-house application into IPA to identify the most relevant biological mechanisms, pathways and functions.
- Embed IPA's unique search capabilities within an institution's own internal search applications, providing instant access to IPA's content and analysis capabilities.
- Traverse directly from an internal gene or drug target index to comprehensive information about that target, including its molecular neighborhood and IPA's Gene View.
- Send a list of genes selected from an internal index or portal to IPA's My Pathways to understand how and if those genes are connected.
- Send a list of genes selected from an internal index or portal to IPA's Canonical Pathways to understand which pathways are most significant to your proprietary gene list.

### Benefits:

**Efficient:** Eliminates the costly additional steps researchers must currently take to integrate internal or third party applications with the stored knowledge and data analysis capabilities of IPA

**Customized:** Create a custom interface and tailor tools to user workflows

**Accurate and simple:** Data and content is passed automatically between applications; no file formatting incompatibility issues.

For more information regarding the IPA-IM and to request the development of a quote for your specific needs, please contact your Ingenuity Account Executive or email [sales@ingenuity.com](mailto:sales@ingenuity.com).

\*\*For more information, please see our IPA-IM Module Whitepaper at: [http://www.ingenuity.com/library/pdf/wp\\_ipa\\_im.pdf](http://www.ingenuity.com/library/pdf/wp_ipa_im.pdf)