



IPA 7 INTRODUCES UNIQUE CONTEXTUAL SEARCH AND ANALYSIS CAPABILITIES

New contextual data analysis in IPA 7 enables researchers to quickly generate analysis results and scientific hypotheses that are targeted to a specific experimental model.

Redwood City, CA – January 7, 2009 – Ingenuity Systems, the leading provider of information solutions for life science researchers, today announced the release of IPA 7 with contextual data analysis. Contextual data analysis is comprised of a series of powerful biological filters and other tools that make it easier to quickly understand experimental results and fine-tune scientific hypotheses in relation to a particular experimental context or model.

Contextual data analysis enhances IPA's powerful search and analysis capabilities by enabling researchers to refine their experimental analyses and develop scientific hypothesis based on findings that have been demonstrated to occur in a particular species, cell types, tissues, bio-fluids, biological processes, cellular functions, chemicals, and disease of interest. For example, a CNS researcher can run an analysis and identify molecular interactions and gene to phenotype associations that have specifically been demonstrated in CNS tissues or cell lines – effectively narrowing the hypothesis space to those most closely aligned with their experimental model.

Patrick De Boever, Ph.D., Flemish Institute for Technological Research (VITO), noted, "The new tools in IPA 7 are great for constructing species-specific biological interaction networks from our toxicogenomics data. This approach enabled us to reveal molecules that hold potential as blood biomarkers for neurotoxic effects induced by environmental pollutants."

Additional features have been added in IPA 7 to support researchers' workflows including:

- **microRNA target information**
- **New Reporting Tools**
- **New Signaling Pathways**
- **Additional Chemical Content**

About Ingenuity Pathways Analysis

Ingenuity Pathways Analysis is an all-in-one software application that enables researchers to model, analyze, and understand the complex biological and chemical systems at the core of life science research. IPA's search capabilities provide users with access to the highest quality detail-rich knowledge available on genes, drugs, chemicals, protein families, cellular and disease processes, and signaling and metabolic pathways. IPA supports analysis of data from all experimental platforms, and is used at all stages of the drug discovery and development process, including target identification and validation, biomarker discovery, molecular toxicology, metabolomics, and pharmacogenomics. IPA has been broadly adopted and cited in hundreds of [peer-reviewed journals](#).

About Ingenuity Systems®

Ingenuity Systems is a leading provider of information solutions and custom services for life science researchers, computational biologists and bioinformaticists, and life science industry suppliers. Our long-term focus on innovation in semantic search has allowed us to create groundbreaking technologies that have one common goal —to generate maximum value from all types of biological and chemical knowledge. Ingenuity offerings leverage the Ingenuity Knowledge Base, which contains uniquely structured literature findings that allow scientists to ask complex biological questions and gain rapid insight into their experimental data or systems of interest. Today, Ingenuity's solutions are used by thousands of researchers at hundreds of leading pharmaceutical, biotechnology, academic, and government research institutions worldwide. www.ingenuity.com

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