

MetaCore, a Cortellis solution

# Analyze molecular pathways and accelerate discovery research

## Understand normal phenotypes, disease states and your drug's potential impact

Successful drug development requires an understanding of the impact on a disease at the molecular level, requiring considerable resources for data collection and analysis. MetaCore, a Cortellis solution™, brings life to science by delivering high-quality biological systems content:



100% manually curated and validated data and pathways



Multi-omics analysis and comprehensive knowledge mining in one place



Molecular interactions defined by mechanism, directionality and effect



Gene variant data fully integrated in the base subscription

## Avoid failed drug development and accelerate your scientific research

### Robust data



2.6M+

2.6m+ molecular interactions with directionality, mechanism and effect



1,500+

1,500+ pathway maps covering regulatory, disease, metabolic and toxicity characteristics



1,100+

1,100+ manually curated, validated networks and effect



2.7M+

2.7m+ publication references

### Expert team



Scientific expertise spanning bioinformatics, systems biology, and more



PhD- and MD-level research professionals with 25+ years of experience

### Therapeutic expertise

9.6K+

diseases

182K+

gene-disease associations

### These insights could be applied to:



Oncology



Immunology



Vaccines



Respiratory



Rheumatology



Endocrinology



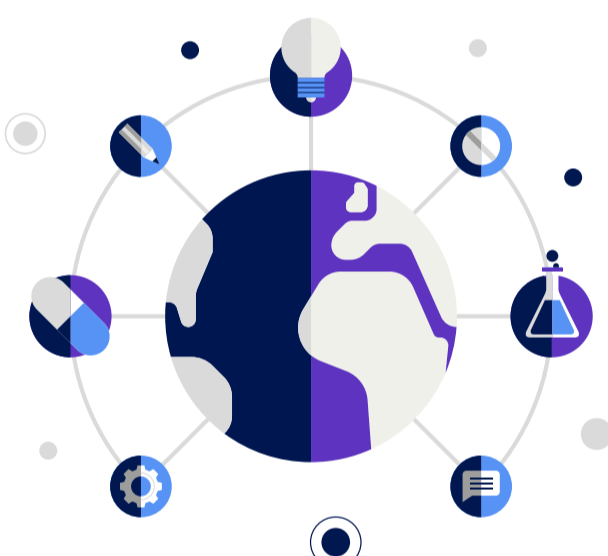
Cardiovascular



CNS

"MetaCore gives me a reliable pathway enrichment analysis [scientists] usually cannot obtain from conventional bioinformatic analysis... [the] upstream analysis is quite unique to MetaCore, which achieves further understanding of my RNA-seq data."

Research Scientist, Harvard University



## Unlock the hidden insights in data

Rapidly generate and validate hypotheses for novel biomarkers, targets and mechanisms of action using 100% manually curated biological pathway data from peer-reviewed literature. MetaCore helps you conduct sophisticated, integrated pathway and network analysis of multi-omics data across previous research. Compare your data with similar research to determine which targets and drugs will have the best chance of success.

## Utilize the power of data how and when you need it

Choose from an array of options best suited to your team's needs:



### Basic analysis

Take advantage of MetaCore's easy-to-navigate functionality to determine precise pathway analysis, mine data, generate insightful bioinformatics and create informative visualizations. Apply the power of MetaCore insights to your discovery efforts and put your research on the path to success from day one.



### Complex analyses and data mining

With direct programmatic access to the entire database, you can retrieve and filter content, manipulate molecular networks, create subnetworks and run functional analysis scripts that apply to many omics data types using an R script package that provides a set of simplified functions.



### Hosted or provisioned options

Give your bioinformatics team programmatic access to take advantage of customized content, integration with your own data sets, and custom analytics – either through direct delivery of the data or via a flexible, fully secured and maintained environment hosted by Clarivate.

Regular updates to the high-quality data ensure that you always have access to the latest information.

## Make better decisions and accelerate innovation

Contact a representative to learn how MetaCore can accelerate innovation for your organization, or visit [clarivate.com/cortellis](http://clarivate.com/cortellis)

## Access trusted intelligence integrated across the R&D lifecycle

Make data-driven decisions with speed and certainty across the drug and device development lifecycle with the Cortellis suite of life science intelligence solutions – including customized consulting and services delivered to your specific requirements. Only Cortellis delivers the insights to accelerate innovation with confidence.

### R&D continuum



### Discovery and preclinical development

### Clinical development and regulatory compliance

### Portfolio strategy and business development

### Generics strategy and development

Data | Insights | Consulting | Services