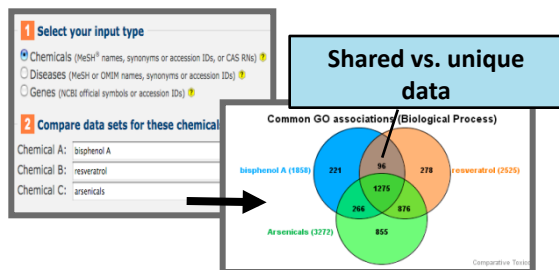


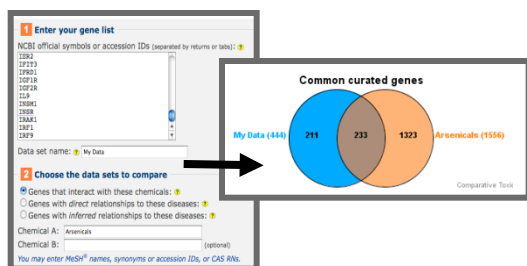
Tools

Analyze Results

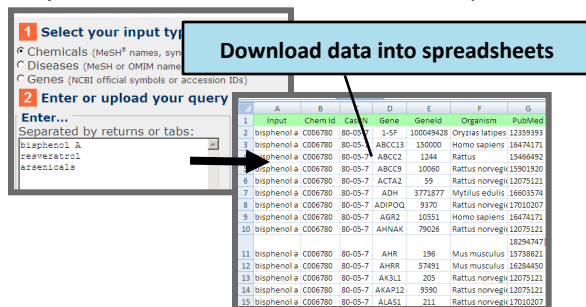
VennViewer compares customized data sets (Example: GO annotations shared by bisphenol A, resveratrol, and arsenicals)



MyGeneVenn compares *your* gene list with CTD data (Example: custom gene list and arsenicals)



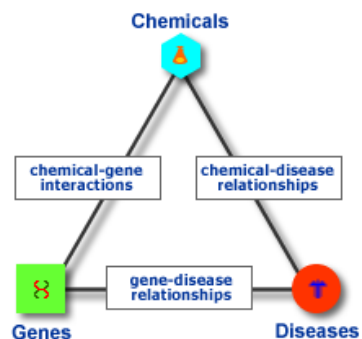
Batch Query retrieves data based on input type, query terms, and results (Example: chemical-gene interactions involving bisphenol A, resveratrol or arsenicals)



Resources

Access Information

CTD is a public research tool that advances understanding of the effects of chemicals on human health



CTD curates scientific literature for

- chemical-gene interactions
- chemical-disease associations
- gene-disease associations

CTD data are integrated with external chemical, gene, disease and pathway resources

Contact Us

*Name

*Email

*Subject

Request curation or subscribe to updates

Supported by

NIEHS and NLM grant R01 ES014065
 NCRN grant P20 RR016463
MDI Biological Laboratory
 PO Box 35 Salisbury Cove, ME 04672

Nucleic Acids Res. 2011;39:D1067-1072



Comparative Toxicogenomics Database

<http://ctd.mdibl.org>

Chemicals

Genes

Diseases

Tools

Resources

Chemicals

Explore Compounds

Chemical Pages

Identify interacting genes

Chemical data tabs link to

- Basic chemical information
- Interacting genes
- Chemical-gene interactions
- Comparable chemicals
- Disease associations
- Molecular pathways
- References
- External Databases

ChemComps compares chemicals with similar gene interaction profiles

View common genes

Similarity index

New! Download pathway view

Genes

Investigate Proteins

Search CTD for chemicals, genes, or diseases by keyword or advanced queries

Search by Keyword

Gene Pages

Identify interacting chemicals

Gene data tabs link to

- Basic gene information
- Interacting chemicals
- Chemical-gene interactions
- Comparable genes
- Disease associations
- Molecular pathways
- References
- Gene Ontology annotations
- External databases

Interactions tab details curated gene-chemical associations

Link to references

Diseases

Discover Associations

Chemical-Disease Associations

Explore potential disease etiologies

Explore potential disease etiologies

Disease data tabs link to

- Basic disease information
- Chemical associations
- Chemical-gene interactions
- Gene associations
- Molecular pathways
- References

Analyze direct and inferred relationships between Chemicals-Genes-Diseases

Direct Relationship

