

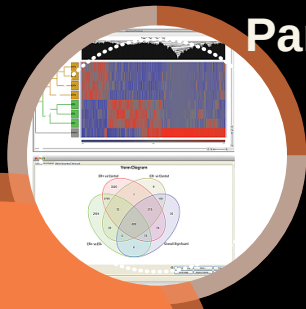
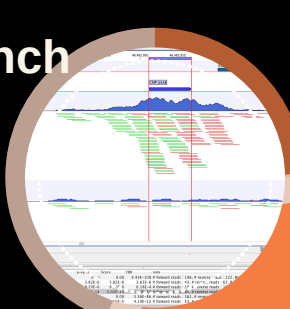
HLSL MOLECULAR BIOLOGY INFORMATION SERVICE

www.hslls.pitt.edu/molbio

LICENSED
TOOLS

CLC Genomics Workbench

- RNA-Seq
- Exome Sequencing
- Whole Genome Sequencing



Partek

- RNA-Seq
- ChIP-Seq
- Methylation Analysis

NEXT GEN SEQUENCING

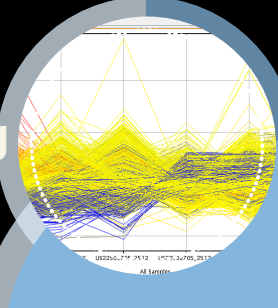


Sequencher

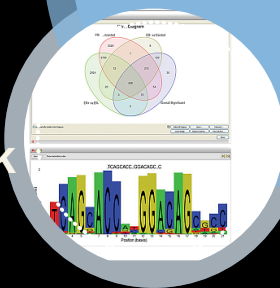
- RNA-Seq

GeneSpring

- Clustering
- PCA Plot
- Statistical Analysis



MICROARRAY

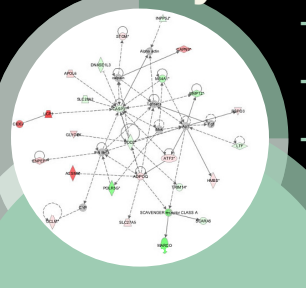


Partek

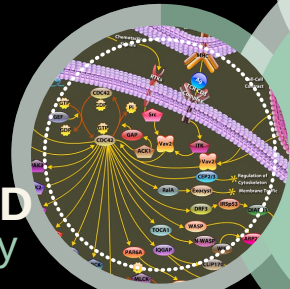
- Clustering
- PCA Plot
- Statistical Analysis
- Copy # Analysis

Ingenuity Pathway Analysis

- Gene Set Enrichment
- Upstream Regulation
- Downstream Effects
- Networks

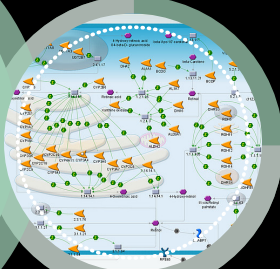


PATHWAYS



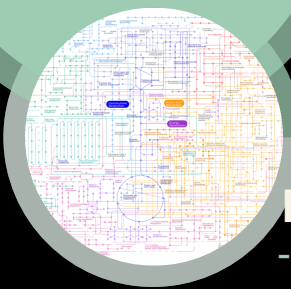
ePath3D

- Pathway Drawing



MetaCore

- Pathway Analysis



KEGG

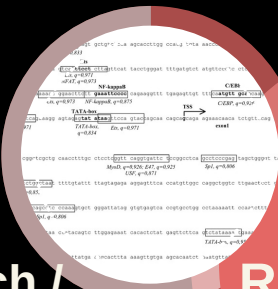
- Pathway Database

GENE REGULATION

Match /

TRANSFAC

- TF Binding Site Prediction

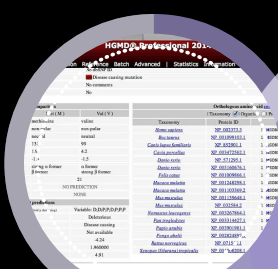


NextBio Research

- Gene Expression Data Annotation

HGMD

- Human Gene Mutations



GENETIC VARIATION

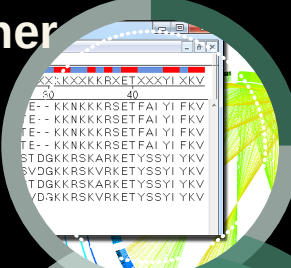


PGMD

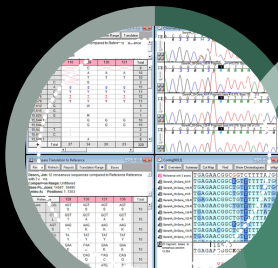
- Pharmacogenomics

Sequencher

- Seq Assembly
- Multiple Seq Alignment
- SNP Detection

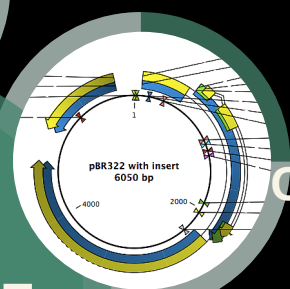


SANGER SEQUENCE ANALYSIS



Lasergene

- Seq Manipulation
- Protein Structure Prediction



CLC Main Workbench

- Primer Design
- Sequence Alignment
- In Silico Cloning
- RNA Structure Prediction

IPA Knowledge Base

- Protein Interactions
- Literature Findings



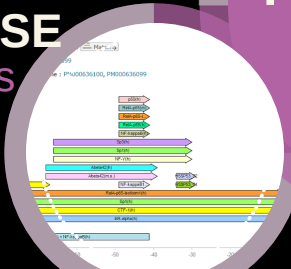
NextBio

- Gene Expression

GENES PROTEINS & DISEASES

BIOBASE

- Transcription Factors
- Promoter Sequence



MetaCore

- Literature Findings

