

How to Integrate Disparate Types of Data?

- Vertical Integration (Genome, Proteome, Metabolome, Physiome)
- Horizontal Integration (Heterogeneous Data from Sub-systems)
- Interaction Data among Genes, Proteins, Metabolites, Cells
- Databases of SNPs
- ...

Three Levels of Complexity

- Heterogeneous Data Resources and Databases
- Identification of Correlative Associations across Different Datasets
- Mapping of the Interaction Information into Networks and Pathways