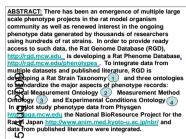


## **Multiple Ontologies for Integrating Complex Phenotype Datasets**

Mary Shimoyama, Melinda Dwinell, Howard Jacob Rat Genome Database, Human and Molecular Genetics Center, Medical College of Wisconsin, Milwaukee, Wisconsin



## http://rgd.mcw.edu



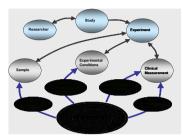
A date mining tool was developed to leverage the utility of the stologies. (5) Users may begin their search with any of the four components of the phenotype data, in the example, the year chooses a Clinical Measurement (6) the components of the stologies of the components of the compone filter or Measurement Method 7 and Experimental
Conditions 8 and finally limits the search by Strain 9 The tool keeps track of the search parameters and provides a rupning count of records retrieved. Only filter choices presented to the user. Results can be downloaded in both summary and expanded formats 10 applicable to set parameters and for which there is data are

Development of the ontologies for use with rat phenotypes commues and expansions and modifications are being applied for use with the human clinical data from the Family Blo Pressure Project in conjunction with Washington

## Un(Nersity School of Medicine.

38/npr

RED



Major components of phenotype data records

## **Standardizing Phenotype Data with Ontologies**









3

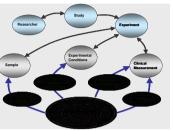


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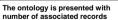
6





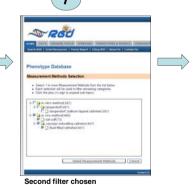
- Red

Query record maintained





667



Query parameters and record counts

Chef de Na Recons



Only applicable choices for whic there are data are presented



Jsers may choose to start from any of the 4

henotype components

Results may be seen and downloaded in summary or expanded formats

