ontologies

Table of contents

1. Ontologies in Biomedical Domain

- Gene Ontology (GO)

  - Controlled vocabulary for gene annotation
  - available in XML
  - contains ontologies for Molecular Function, Biological Process and Cellular Component

- Interaction Ontology

- UMLS Unified Medical Language System Metathesaurus

  - a very large metathesaurus built from thesauri, classifications, coding systemts, and lists of controlled terms that are developed by different organizations
  - a concept is defined as a cluster of terms representing the same meaning
  - 1.75 million English terms drawn from more than syxty families of medical vocabulary, organized in some 875000 concepts.
  - includes the SPECIALIST lexicon, containing syntactic, morphological, and orthographic information on medical terms, and various software tools

- MeSH

  - controlled Thesaurus by the National Library of Medicine
  - very broad scope
  - integrated into Pubmed/MedLine search facility
  - not everyone happy with the contents (e.g. see Barry Smith, COLING04)

- ICD is the International Classification of Diseases

  - outdated, but comprehensive

- Enzyme Nomenclature

  - a list and classification of enzymes
  - links to other info sources

Acknowledgments : some of the material in this page originates from here