Abstract

The biomedical ontologies contain the complex distributed heterogeneous data, to analyze and process this data is the big challenge for biomedical communities. The common goal of biomedical communities is to annotate this data. These problems generated a need to use the services of grid on semantic web. Semantic Grid is the integration of Grid with the Semantic web, which will play the vital role in future web. The semantic grid architecture provides
semantic and knowledge support. In this paper we discuss two biomedical ontologies, Biological Viruses Community Ontology (BVCO) and the most mature Gene Ontology (GO).

**Reference**

- J. Joseph and C. Fellenstein, “Grid computing”, PHI, PTR, Page 48, Jan 2004,
- S. Adcock, “How does the grid extend the internet, and what is the future vision for this development?”, 2000 http://mms.ecs.soton.ac.uk/papers/27.pdf
- J. Day-Richter, M.A. Harris, M. Haendel, The Gene Ontology OBO-Edit Working Group

Index Terms

Computer Science

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Key words

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