Abstract

In this paper, an approach to generate a mechanism for bioinformatics web services to register them with a Data Collaborator Web Service has been presented. The aim of this approach is to create new collaborator service model using existing web services. Up to now, the focus has been on answering specific user queries. On the contrary, the plan is to focus on an automated mechanism that can work as a data collaborator web service. This mechanism would be able to respond to a range of inputs to provide desired and efficient output that are required by the service user.

References

- William M. Shui - Utilizing Multiple Bioinformatic Information Sources: An XML Database Approach, Sydney, NSW 2052, Australia
- Sandeepan Banerjee - A Database Platform for Bioinformatics - Redwood Shores, CA, USA
- Stephen W. Ryan and Arvind K. Bansal Applying Java for the Retrieval of Multimedia Knowledge Distributed on High Performance Clusters on the Internet Proceedings of the
- Zoe Lacroix, Terence Critchlow -Bioinformatics – Managing Scientific Data - 2003
- Kei-Hoi Cheung, Kevin Y. Yip, Andrew Smith, Remko deKnikker, Andy Masiar, Mark Gerstein, -&quot;YeastHub: - A semantic web use case for integrating data in the life sciences domain&quot;
- Duncan Hull, Robert Stevens, and Phillip Lord &quot;Describing Web Services for user-oriented retrieval&quot;
- Stuart E. Madnick –&quot;The Misguided Silver Bullet: What XML will and will NOT do to help Information integration&quot;
- Marie-Dominique Devignes and Malika Smaïl –&quot;Integration of Biological Data From Web Resources : Management of Multiple Answers Through Metadata Retrieval&quot; UMR LORIA 7503, CNRS-University Henri Poincaré, BP 239, 54506 Vandoeuvre-lès-Nancy, France.
- Shirley Crompton, Brian Matthews, Alex Gray, Andrew Jones, Richard White-
&quot;Data Integration in Bioinformatics Using OGSA-DAI&quot;
- Remko de Knikker1, Youjun Guo1, Jin-long Li1, Albert KH Kwan2, Kevin Y Yip2, David W Cheung2 and Kei-Hoi Cheung*1,3 – &quot;A web services choreography scenario for interoperating bioinformatics applications&quot;
- David Buttler, Matthew Coleman, Terence Critchlow, Renato Fileto, Wei Han, Ling Liu, Calton Pu, Daniel Rocco, Li Xiong – &quot;Querying Multiple Bioinformatics Information Sources: Can Semantic Web Research Help?&quot;
- Tony Hey and Anne Trefethen- &quot;The Data Deluge: An e-Science Perspective&quot;

**Index Terms**

Computer Science

Information Sciences

**Keywords**
Bioinformatics   Web Services   XML Web Services   Collaborator Web Services
Heterogeneous Databases