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Special Guest Lectures

Enhancing Biological Knowledge Using Ontologies**Dr. Georgina Moulton**

Fellow, Northwest Institute for Bio-Health Informatics, University of Manchester

Johnston Hall 338

August 24, 2006 - 09:00 am

Abstract:

In recent years, bioinformatics has embraced the field of ontologies as a means of combating the challenge to store, retrieve and analyse heterogeneous biological data effectively and to annotate features from genotype to phenotype. Many bio-ontologies have been developed in an ad hoc manner to suit the needs of the biological community without consideration of formal ontology engineering. Despite this bio-ontologies have been successful in enriching biological knowledge. This talk will present an overview of ontologies in the biological domain and their uses, current trends and future directions.

Speaker's Bio:

Dr. Georgina Moulton is a Fellow at the Northwest Institute for Bio-Health Informatics (NIBHI), a cross-faculty organisation at the University of Manchester. She has a degree in Molecular Biology and Biochemistry and a PhD in Bioinformatics in which her research focused upon developing methodologies and software for improving functional prediction using a phylogenomic approach. Since then she has conducted research and gained extensive experience in developing and delivering training material in a wide range of bioinformatics areas, such as microarray data analysis and ontologies. Her most recent work has included the development of an OWL bio-ontology tutorial and exploring list patterns to represent protein family motifs

