

NCDM Lecture Series

GenDB - A Genome Annotation System for Prokaryotes

Speaker: Dr. Folker Meyer

Friday, February 10, 2006

1-2 pm

Location: 636 SEO

ABSTRACT

In depth analysis of microbial genome sequences requires software support. Various issues have to be addressed to obtain a high quality annotation. These include gene finding, assignment of putative gene function, attempts at reconstructing metabolic pathways and finally manual verification of the automatically derived results. GenDB provides a very user friendly web-interface that can be used by groups or individuals for this purpose. GenDB is one of the more successful systems for the analysis of prokaryote genomes. The system is in use world-wide and is being used in various European and world-wide projects.

Short Biography:

Dr. Meyer received his Ph.D. in Bioinformatics from Bielefeld University, Germany in 2001. He served as a scientist at the Center for Genome Research and IIT-BioTech GmbH. He is currently the head of the Bioinformatics Resource Facility of the Center for Biotechnology, Bielefeld University. Dr. Meyer has developed GenDB EST and genome annotation environment, the ProDB tool for analysis and storage of proteome data-sets and the EMMA tool for analysis of microarray-based transcription data.

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