

The Ondex Tutorial at IB2010

22nd March 2010

09:30 – 12:00

Biological Data Integration and Visualisation for Systems Biology

The development of a systems based approach to problems in biology often requires integration of data from a range of internet information providers. However, life sciences information is often incomplete and dispersed across many sources. The variety of data resources and inconsistencies in syntax and semantics among the data presents a significant challenge to the development of integrated views of the data that can be analysed using systems-based methods.

In this tutorial, we provide hands-on experience of a software system called Ondex (www.ondex.org) that is being used in a range of different systems biology projects in the UK. Ondex is an open source data integration platform for the life sciences that enables data from diverse biological data sets to be integrated, visualised as biological networks and interpreted using graph analysis techniques. Ondex has a friendly user-interface that can be used to prepare integrated datasets for data mining and has the ability to bring together information from structured databases and unstructured sources, such as free text.

The tutorial will be divided into three parts.

[1] Introduction to Data Integration and Visualisation

[2] Hands-on session: Data Visualisation and Analysis using Ondex

(Break)

[3] Hands-on session: Data Integration using Ondex

Please email contact@ondex.org to register your attendance at the tutorial.

There is no charge for attending the tutorial.