

IB2010 - Integrative Bioinformatics Symposium

WORKSHOPS AND TUTORIALS

The 6th International Symposium on Integrative Bioinformatics is being held from 22nd to 24th March 2010 in Churchill College, University of Cambridge, United Kingdom.

Online registration, the provisional programme and abstracts of the currently list of accepted posters and demonstrations are available from the symposium web site at:

<http://www.rothamsted.bbsrc.ac.uk/bab/conf/ib2010>

This sixth meeting on Integrative Bioinformatics has an exciting programme of supporting workshops and tutorials along with demonstrations of new software that will be of interest to Bioinformaticians, Computer Scientists and other working in, or interested in finding out more about, the developing area of integrative bioinformatics.

TUTORIALS AND WORKSHOPS

Biological Data Integration and Visualisation for Systems Biology

22nd March 2010 09:30 - 12:00

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.

For more information please see programme at http://www.rothamsted.bbsrc.ac.uk/bab/conf/ib2010/Ondex_IB2010.pdf.

Alternatively please email contact@ondex.org if you have any further questions or wish to register your attendance at the tutorial.

EMERALD - Enhancing Data Quality

22nd March 2010 10:00 - 12:00

The focus of the workshop is to discuss and illustrate the importance of microarray data quality and will sum up the work done by the EU EMERALD project over a three year period. Presentations will highlight efforts on the implementation of quality metrics and standards to and how experience from this project can be applied to new high throughput array technologies. This workshop is freely open to all IB2010 registrants. But, those not registered for the IB2010 conference that only wish to participate at the EMERALD session, please register (for free) by sending an email to vidar.beisvag@ntnu.no at the latest by 11th march 2010.

Gene Networks for Bench Scientists Workshop

24th march 14:00 - 17:30 plus 25th march 09:30 - 12:00

This workshop, aimed at lab absed scientists, provides hands-on experience with software tools for Visualization and analysis of expression networks using BioLayout Express3D; Assembly and Modelling of Biological Pathways; Reverse engineering of gene networks using

GeneNet and Modelling variability in gene networks using Copasi.

In order to register at this workshop, please email Paul Verrier (paul.verrier@bbsrc.ac.uk)

Topics of interest to Symposium delegates include:

- Data integration and knowledge management
- Errors and inconsistencies in biological databases
- Combined dry- and wet-lab studies
- Prediction and integration of metabolic and regulatory networks
- Genotype-phenotype linkage
- Protein-protein interactions
- Integrative microarray modelling and analyses
- Integrative approaches for drug design
- Virtual cell modelling
- Tool integration and workflow systems
- Computational systems biology
- Integrative modelling and simulation frameworks
- Integrative data and text mining approaches
- Network analysis
- Data visualisation and visual analytics

Further information can be obtained from

Paul Verrier (paul.verrier@bbsrc.ac.uk) or Chris Rawlings (chris.rawlings@bbsrc.ac.uk)