

New products



For regular product updates, please visit
www.scientific-computing.com/products

CytoSure

Oxford Gene Technology (OGT), a provider of innovative clinical genetics and diagnostic solutions to advance molecular medicine, has released an update to its CytoSure Interpret Software for array comparative genomic hybridisation (aCGH) analysis.

By utilising a new relational database design, the software allows sample data to be stored and analysed in accordance to its relationship with other data. For example, samples can be segregated into different projects by sample type or by user, thereby simplifying analysis.

It can also perform common analysis steps automatically via the 'Accelerate Workflow' mode – which, the company

says, significantly speeds up analysis, especially when working with a large number of samples.

The intuitive graphical interface detects DNA regions exhibiting genomic variation, with results annotated with the relevant syndromes, genes, exons, and segmental duplications. This also includes links to external databases, putting each variation in context and helping to highlight the biological implications of the data generated.

In addition, the release incorporates a number of cancer annotation tracks, enabling meaningful interpretation of results obtained using OGT's growing portfolio of CytoSure Cancer arrays.
www.ogt.co.uk

NuGenesis 8

Featuring newly-developed LE Technology, a documentation and workflow solution that guides laboratory analysts through routine standard operating procedures, NuGenesis 8 has been released by Waters. An electronic worksheet leads users through the prescribed workflow, ensuring they complete every step and verifying that all input meets established criteria. The completed task is submitted for approval and the results are automatically shared with business systems such as LIMS and ERP.
 In addition, NuGenesis 8

automatically captures and catalogues information from disparate sources and provides access to a suite of information management tools, including sharing, reuse and sample management. Using NuGenesis ELN, laboratories can track, assign and manage samples, tests and results. The user-centric design revolves around both laboratory managers who seek metrics about the laboratory workload and analysts who need a convenient overview of pending tasks and the status of in-process tests.
www.waters.com/nugenes8

ChemBook

IDBS has added a new functionality to its ChemBook electronic laboratory notebook (ELN). Extending its partnership with cheminformatics software provider ChemAxon, IDBS has added the Reactor engine, known as the Parallel Synthesis add-on, to support chemists' workflows, synthesising libraries of compounds in a parallel fashion.

A high-performance library enumeration engine which produces synthetically relevant virtual libraries, ChemAxon's Reactor delivers an efficient, automated workflow that saves time and improves upon best practices in the lab. Chemists can define a generic reaction, a set of reactant structures and combine the two to enumerate and iteratively tune a set of product compounds and discrete reactions on a high-throughput scale.

Virtual compound libraries can be created, which can be generated under extensive manual control. Users can draw and edit reactants directly, and run and tune reactions to achieve real-world products.

www.idbs.com

BT for Life Sciences R&D

BT has launched what it says is the first cloud-based service for enabling collaboration within the life sciences industry for increased R&D productivity.

The service, BT for Life Sciences R&D, is being developed to become a secure and segregated platform for scientists in pharmaceutical, biotech, devices and diagnostics companies, as well as in academia and government. It is designed to allow customers to comply with

the industry's stringent security, regulatory and compliance requirements in a way that's suitable for many regulated applications.

The platform enables users to create global project groups. These groups can securely upload documents, share results and communicate via IM, voice, video or chat to analyse results in an environment that segments data and uses qualified hardware components and workflows specific to the

pharmaceutical industry.

The BT for Life Sciences R&D platform builds on the company's On Demand Compute service, with a compliance 'wrap' meeting the GxP requirements for qualification. This conforms to the quality and regulatory requirements that make an environment suitable for many regulated applications that can be collaboratively used where partners may have differing risk profiles.
www.btplc.com

Ensemble for Biology

PerkinElmer has launched an integrated informatics suite of applications for creating a collaborative and integrated biology workflow, named Ensemble for Biology. As well as delivering data management and organisation,

streamlined workflows, effective collaboration and subsequent connection with downstream development, the platform supports regulatory compliance and protects intellectual property.

It provides the tools needed for

analysis, screening and visualisation, incorporating the ability to search across experiments, compare multiple results and generate reports using a variety of techniques.

www.perkinelmer.com

Dotmatics for Office

UK-based Dotmatics, a provider of informatics solutions and services to the pharmaceutical and biotechnology industries, has announced a new chemistry add-in for Microsoft Office. The software, Dotmatics for Office, will facilitate communication and sharing of scientific data across applications and teams by allowing

users to easily import, create and modify scientific data in Microsoft Excel, Word, Outlook and PowerPoint.

Structure searches and scientific property calculations can be performed without leaving familiar Office applications, and integration with Browser, the flagship enterprise search platform from Dotmatics,

enables the add-in to incorporate data from multiple databases in an Office document. Information can be shown in a variety of formats chosen by the user, or according to predefined templates. Further analysis can be carried out within Vortex, Dotmatics' exploratory data analysis platform.
www.dotmatics.com