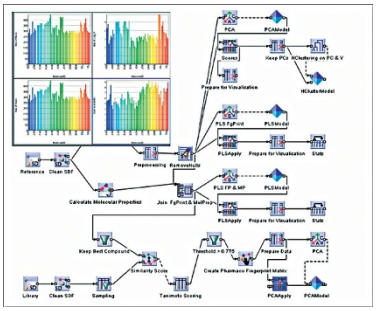
Software

Automated cell counting

The Guava ViaCount RCS assay is a software option for the Guava PCA and Guava PCA-96 systems that fully automates data analysis for cell counting and viability testing. It identifies populations of live and dead cells while ignoring any debris present, without user intervention. Sophisticated clustering algorithms and heuristics provide a standardized, automated approach to cell counting that eliminates user subjectivity in data analysis.
http://www.guavatechnologies.com/



Drug discovery automation

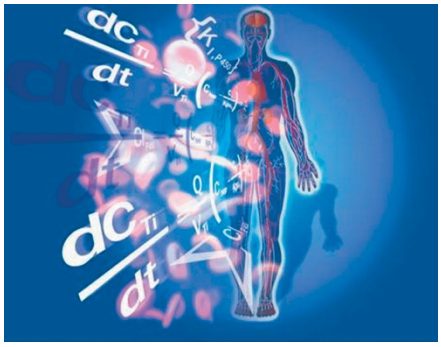
InforSense's Knowledge Discovery Environment 1.9 is designed to create, capture and manage valuable process knowledge for high-throughput discovery. It features enhanced ease-of-use and workflow automation, using wizards to guide the incorporation of external components and the creation of complex workflows. New analytical components and interfaces for literature analysis, bioinformatics and cheminformatics accelerate decision-making and increase efficiency.
http://www.inforsense.com/

Structure-based design tool

Accelrys has added the DS Modeling 1.2–SBD to its Discovery Studio products line. A client-server environment for *in silico* drug design, the software's functionality is based on well-validated lead optimization tools from Accelrys' Insight II and Cerius2 modeling and simulation products. It is capable of fast, accurate and flexible docking and scoring of candidate drug ligands to a target macromolecule receptor site, *de novo* ligand design and *in situ* ligand energy minimization.
http://www.accelrys.com/

Managing genotypes

New from Applied Biosystems, BioTrekker software v1.0 allows multiple users of GeneMapper v3.5 and the SDS 2.2 Enterprise database to download finished genotyping data into a single results database, enables QC testing, permits data exporting to text files for further analysis and facilitates data archiving. The application supports microsatellite data, along with data from the SNPlex system and SNaPshot kits analyzed by GeneMapper. It also supports allelic discrimination data from the SDS v2.2 Enterprise database.
http://www.appliedbiosystems.com/



Virtual drug screening

Cloe PK, from Cyprotex, uses a 'virtual human' model to accurately predict the pharmacokinetics of potential drug compounds, enabling pharmaceutical companies to focus on more promising compounds, without significant time loss or cost, and increase success rates. Cloe PK can be used by a broad range of drug discovery researchers, including chemists and scientists concerned with improving their nascent compounds. It can be applied at the earliest stages of the drug discovery process and has the capacity to screen hundreds of compounds within minutes, saving pharma and biotechnology companies valuable project time.
http://www.cyprotex.com/