



PerkinElmer and Accelrys Announce Software Collaboration to Enable New Single Cell Imaging and Analysis Techniques

LILLE, France, Apr 27, 2009 (BUSINESS WIRE) --At the 15th Annual Society for Biomolecular Sciences Conference today, PerkinElmer, Inc., a global leader focused on the health and safety of people and their environment, announced a cellular imaging and analysis software relationship with Accelrys, Inc., a leading provider of scientific business intelligence software and services.

The collaboration is aimed at providing researchers with unprecedented capabilities for the detection and analysis of single cells via high content screening (HCS) technologies, for faster and better outcomes in identifying cellular markers associated with human health and disease. To that end, the companies have integrated PerkinElmer's Columbus™ image data management system for HCS with Accelrys' Pipeline Pilot™ data analysis and reporting platform.

In order to allow a comprehensive single cell based image analysis for researchers, PerkinElmer's Columbus™ software will provide the detailed images containing single cells as well as large amounts of cell level data, and Accelrys' Pipeline Pilot™ platform will furnish intelligent algorithms and image analysis data transfer capability.

"The ability to easily provide researchers with detailed images and data on specific individual cells in a high content screening environment represents a major advance in cellular technologies and approaches," said Richard M. Eglén, PhD, president, Bio-discovery, PerkinElmer. "Scientists benefit from access to multiplexed cellular information including morphology, intensity, complexity and intensity of specific compartments, as well as fluorescence translocation, morphology changes, and texture analysis, among other read outs."

"This collaboration is a compelling new approach to bring the benefits of HCS to a single cell level," said Frank Brown, vice president and chief science officer of Accelrys. "The outcome of this integration will enable scientists to apply all the data and statistical analysis they are used to seeing from a well based level to a single cell level, allowing deeper understanding of cellular processes. The use of machine learning and computer automation on the large amounts of data generated brings the early promise of high content screening to fruition."

PerkinElmer's Columbus™ software is a flexible, convenient solution for high volume image storage and management. Designed as a partner product for image based screening systems such as the Opera® or Operetta® systems, PerkinElmer's premier cellular imaging readers, the software has the added benefit of full compatibility with a wide range of image file formats. The Columbus™ software can be easily used to archive and manage images from confocal and standard research microscopes, and acts as a convenient central repository for all image data.

Accelrys' Pipeline Pilot™ data analysis and reporting platform is a powerful software platform that streamlines integration and analysis of vast quantities of data flooding research informatics. Pipeline Pilot provides an agile development environment, fast and secure deployment, minimal maintenance costs, and application extensibility. Pipeline Pilot empowers research organizations to derive greater value from their information resources through enterprise-scale data flow control, extensive data mining, intelligent decision support, and effective reporting.

About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2 billion in 2008, has around 8,500 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through www.perkinelmer.com or 1-877-PKI-NYSE.

About Accelrys, Inc.

Headquartered in San Diego, California, Accelrys develops scientific business intelligence software and solutions for the life sciences, energy, chemicals, aerospace, and consumer products industries. Customers include many Fortune 500 companies and other commercial entities, as well as academic and government entities. Accelrys has a vast portfolio of computer-aided

design modeling and simulation offerings which assist customers in conducting scientific experiments 'in silico' in order to reduce the duration and cost of discovering and developing new drugs and materials. Its scientific business intelligence platform underlies the company's computer-aided design modeling and simulation offerings. The Accelrys platform can be used with both Accelrys and competitive products, as well as with customers' proprietary predictive science products. Its flexibility, ease-of-use and advanced chemical, text and image analysis and reporting capabilities enable customers to mine, aggregate, analyze and report scientific data from disparate sources, thereby better utilizing scientific data within their organizations. For more information about Accelrys, visit <http://accelrys.com/>

SOURCE: PerkinElmer, Inc.

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