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PerkinElmer Launches New Solutions to Improve Speed and Effectiveness of Life Sciences Research Processes

New Lab Automation and Screening Technologies Introduced at 2016 SLAS Conference

WALTHAM, Mass. – January 25, 2016 – In today's complex research setting, speed and efficiency are critical to achieving scientific breakthroughs. [PerkinElmer, Inc.](#), a global leader focused on improving the health and safety of people and the environment, today announced the launch of several new innovations to support the workflows of highly specialized areas of life sciences research. These solutions assist scientists in drug discovery, cellular research, biotherapeutics, genetics, genomics and protein research.

The new offerings are on display in adjacent booths (#717 and #731) at the 2016 Society for Laboratory Automation and Screening (SLAS) Conference and Exhibition at the San Diego Convention Center. These technologies allow researchers to automate and improve the efficiency of their workflows across liquid handling, assays, big data and informatics processing, high content imaging and nucleic acid extraction.

"To remain competitive, researchers must push the boundaries of science to translate discoveries from the lab to the real world," said Brian Kim, president, Life Sciences & Technology, PerkinElmer. "At PerkinElmer, we understand the workflows and demands of highly specialized areas of life sciences research, and we aim to create solutions that help automate related processes. Our new technologies will help improve efficiencies in the lab, allow scientists to take new approaches and enable them to challenge conventional thinking in order to achieve breakthroughs."

PerkinElmer's offerings on display at SLAS include:

- | [Operetta[®] CLS[™] High-Content Analysis System & Columbus[™] Software](#): The Operetta CLS system enables scientists to gain deep biological insight into disease from common assays and complex applications using advanced cellular models, and to identify even subtle phenotypic changes through sensitive imaging and intuitive data analysis. Speed, sensitivity and high resolution are achieved through the unique combination of automated water immersion objectives that deliver better quality image data, stable LED illumination, true confocal optics and a sensitive, high resolution sCMOS camera. Controlled by PerkinElmer's [Harmony[®]](#) high-content imaging and analysis software that provides a simple-to-use, streamlined workflow, researchers can utilize the system to conduct their own analysis and customize as needed to an application.
 - | Combining the Operetta system with the updated Columbus system provides scientists an enhanced, integrated solution for high content imaging experiments, from instrument image data import to data analysis. The Columbus system accelerates discovery by enabling scientists to automate triggering of batch image analysis.
- | [JANUS[®] G3 Automated Liquid Handling Workstations](#): The JANUS platform features enhanced software and hardware capabilities designed to seamlessly automate cellular high content analysis, genomics, biotherapeutics (small scale protein purification) and high-throughput screening workflows. PerkinElmer offers a suite of liquid handling workstations with multi-application flexibility, a common intuitive user interface, direct control error recovery, dynamic pipetting volume range from 0.5 µl to 5000 µl for consistent, reproducible sample preparation, over 50 application-specific pre-programmed protocols to save time-consuming programming steps, and status light indicators.
- | [LANCE[®] Ultra TR-FRET Assay Kits](#): With over 60 new, easy-to-use kits for oncology, immunology, metabolic, neuro and biotherapeutic targets, these innovative assays enable researchers performing drug discovery to achieve highly sensitive and reliable results in an extremely short amount of time. Using the LANCE *Ultra* kits' unique combination of ULight Acceptor and Europium Eu chelate donor pairs, researchers can perform a wider variety of highly sensitive, automation friendly assays to speed and simplify the screening process.
- | [Chemagic[™] 360 instrument](#): Utilizing PerkinElmer's award-winning chemagen technology platform, the Chemagic 360 instrument offers increased flexibility in automated DNA/RNA isolation when working with various clinical materials (blood, saliva/plasma), sample volumes (10 µl-10 ml) and throughputs (1-12, 1-24, 1-96) on a compact, benchtop instrument. Researchers leverage PerkinElmer's chemagen offerings to simplify their workflows for a wide range of

next generation sequencing and PCR applications in the field of human genetics/biobanking, HLA typing, pathogen detection, and viral identification.

PerkinElmer's cell::Explorer™ Integrated Instruments, High Content Profiler software powered by TIBCO Spotfire®, reagents, and consumables will also be exhibited at PerkinElmer's booth during SLAS. Follow us on Twitter [@PKILifeScience](#).

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 \$2.2 billion in 2014, has approximately 8,000 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at www.perkinelmer.com.

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