PerkinElmer to Showcase Automated Laboratory Solutions at SLAS 2019

February 1, 2019

High-Content Screening, High-Throughput Screening and Genomics Technologies Simplify Complex Workflows to Accelerate Scientific Breakthroughs

WHAT: PerkinElmer, Inc., a global leader committed to innovating for a healthier world, will display its automated workflow solutions for high-content screening, high-throughput screening and genomic analysis at the 2019 Society for Laboratory Automation and Screening (SLAS) Conference & Exhibition. This annual event brings together life sciences professionals from around the world to discover new technologies and advance their research objectives.

WHEN: February 4-7, 2019

WHERE: Walter E. Washington Convention Center

Washington, D.C.

PerkinElmer Booth #403

WHY: "Walking into a laboratory today, the space may appear familiar and unchanged, but what's different are the people and the workflows. A new era of scientists with highly focused skills has generated the need for greater automation in labs," said Masoud Toloue, vice president and general manager, Applied Genomics, PerkinElmer. "Attendees at SLAS will experience how our complete application-based, single source solutions meet evolving scientific requirements and give labs the flexibility to operate autonomously. By automating both routine and complex workflows, scientists can accelerate the time from molecule to medicine."

AT SLAS: PerkinElmer will display the following offerings in Booth #403:

Genomics Workflow Solutions

chemagic™ Prime™ Junior Instrument (NEW): delivers a streamlined workflow from primary sample to ready-to-use nucleic acids. The instrument provides contaminant-free, extracted DNA/RNA in high concentrations with a short turnaround as a verified single supplier workflow.

explorer™ G3 Integrated Workstations: innovative application-focused laboratory automation solutions that simplify microplate handling, liquid handling and detection.

PKeye™ Mobile Operations Monitor (NEW): enables labs to watch instrument operation, check the status of a run or receive error notifications from a mobile device or computer. The PKeye App is fully compatible with both iPhone and Android devices, as well as Windows computers.

JANUS® G3 Workstation: automated liquid handling workstations offer flexible automated sample preparation solutions to meet your specific application needs. All JANUS G3 workstations include the easy to use WinPREP® operating software and can easily be reconfigured to meet changing application needs.

LabChip® GX Touch™ Nucleic Acid Analyzer: automated microfluidic capillary electrophoresis (micro-CE) device takes the concept of traditional gel separations and produces accurate, reproducible data in a fraction of the time.

High-Content and High-Throughput Screening

EnVision® Multimode Plate Reader: offers proven performance for high-throughput screening and assay development. Newest features include enhanced time-resolved fluorescence (TRF) performance for use with PerkinElmer's LANCE® and DELFIA® assay technologies, and improved software tools to facilitate 21 CFR Part 11 compliance.

EnSight™ Multimode Plate Reader: a modular design with an optional imaging module quickly performs well imaging alongside standard detection technologies. Flexible, upgradable configurations and workflow-based Kaleido™ software are used for both simple and complex assays, such as cell health and toxicity, cell proliferation, cell migration and viral infection.

Opera Phenix® High Content Screening System: delivers speed without compromising sensitivity as spectral crosstalk is reduced to a minimum. The system enables advanced phenotyping of cells and the study of complex disease models, such as primary cells and 3D microtissues. Harmony® high-content imaging and analysis software streamlines 3D image acquisition, visualization and analysis.

VICTOR Nivo® Multimode Microplate Reader: high-performance detection modes and easy-to-use software allow scientists to accelerate biochemical and cell-based assays for disease research and drug development. The system features a wide range of key detection modes, top and bottom reading for all modes, as well as space for up to 32 filters to accommodate multiple users and applications.

PerkinElmer Signals™ Screening Software: powered by TIBCO® Spotfire®, the platform optimizes data processing workflow from data import, QC to results in a single session, eliminating errors when consolidating different files and facilitating the discovery of drug candidates.

Asset Genius™ System for Laboratory Monitoring: an informatics-based business intelligence solution that continuously monitors lab and asset conditions to provide critical utilization data for a 24/7 lab-wide view.

Drug Discovery Reagents: Alpha, LANCE® TR-FRET and DELFIA® TRF assay technologies accelerate screening workflows while delivering consistent, accurate and physiologically relevant results.

PRESENTATIONS & TUTORIALS:

As part of a collaboration between PerkinElmer and Rutgers University's Human Genetics Institute of New Jersey, Dr. Andrew Brooks, chief operating officer at RUCDR Infinite Biologics, will share an overview of a new fully-integrated DNA extraction and quantification platform that combines the PerkinElmer explorer G3 workstation and Brooks Life Sciences instruments.

Dr. Brooks will present **"Fully Integrated Rapid Extraction Protocol for Nucleic Acid Quantification"** on Tuesday, February 5, at 9:30 a.m. ET in Room #154AB.

Additionally, PerkinElmer experts will deliver the following presentations and tutorials:

"Boldly Going Where No One Has Gone Before: Automating and Standardizing Physiological-Relevant Cell Culture Models"
Monday, February 4, 12:30 – 1:15 p.m., Room #144C

"Rapid measurement and comparison of multiple cytokines and immune checkpoint molecules from 2D and 3D cell cultures of immune and breast cancer cell populations grown in a complex co-culture model"
Tuesday, February 5, 11:30 a.m. – 12:00 p.m., Room #145AB

"Protein-Protein Interaction (PPI) Assays: Discuss Optimizing Your Assay Setup and Overcoming Challenges with PerkinElmer Experts"
Wednesday, February 6, 12:00 – 1:15 p.m., Room #150A

"Improving the Drug Discovery Tool Box"
Wednesday, February 6, 2:00 – 2:30 p.m., Room #145AB

MORE: For more information about PerkinElmer's presence at SLAS, please click here. Join the conversation about SLAS by following us on Twitter @PerkinElmer.

About PerkinElmer
PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of about 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics and discovery and analytical solutions markets. Our innovative detection, imaging, informatics, and service capabilities, combined with deep market knowledge and expertise, help customers gain earlier and more accurate insights to improve lives and the world around us. The Company reported revenue of approximately $2.3 billion in 2017, serves 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.

Media Contact
Sara LaFauci
+1-781-296-5655
sara.lafauci@perkinelmer.com