March 23, 2017

PerkinElmer to Display Portfolio of Cancer Research Technologies and Workflow Solutions at 2017 AACR Annual Meeting

WHAT: [PerkinElmer, Inc.,](#) a global leader committed to innovating for a healthier world, today announced that it will showcase its new [Vectra® Polaris™ Automated Quantitative Pathology Imaging System](#) and comprehensive range of technology platforms designed for immuno-oncology research, including the new [Opal® Multiplex Automation IHC Detection Kits,](#) at the 2017 American Association for Cancer Research (AACR) Annual Meeting. AACR is the largest global meeting dedicated to the prevention, early detection and treatment of cancer, and highlights the best cancer science and medicine from institutions all over the world.

"Understanding the complexities of cancer requires better visualization, identification of key biomarkers and deeper insights," said Jim Corbett, Executive Vice President and President, Discovery & Analytical Solutions, PerkinElmer. "With the recent launch of our Vectra Polaris system, along with innovative reagents, imaging and detection instrumentation and software for study in a range of models -- from molecule to whole animal -- PerkinElmer is providing the advanced solutions that scientists need to make more targeted breakthroughs."

WHEN: April 1-5, 2017

WHERE: Walter E. Washington Convention Center**,** Washington, D.C.
(Booth #1631)

ON DISPLAY: [**Vectra Polaris Automated Quantitative Pathology Imaging System:**](#) integrates high throughput, seven color multi-spectral imaging with whole slide scanning in a user-friendly digital pathology workflow. Launched in January 2017, the Vectra Polaris system is the latest addition to PerkinElmer's end-to-end Phenoptics™ workflow solutions, which enable immuno-oncology researchers to explore the interaction between tumors and immune cells to obtain a deeper understanding of disease mechanisms and the tumor microenvironment.

Mantra™ Quantitative Pathology Workstation: incorporates multispectral imaging technology, novel image acquisition and inForm® analysis software in an integrated and compact manual workstation to help detect and measure multiple expressed and overlapping biomarkers within a single IHC or IF tissue section. This workstation enables easy visualization, quantification and phenotyping of multiple types of immune cells.

Opal Multiplex Automation IHC Detection Kits: new automated immunohistochemistry (IHC) research kits that eliminate time-consuming manual processes by performing seven color immunofluorescence staining on 30 slides in 14 hours. Automating Opal staining provides users with quality, consistency and reproducibility in every sample.

Quantum™ GX microCT Imaging System: now with AccuCT™ advanced bone analysis software, this system provides automated workflow-based outputs and segmented 3D images with quantitative analytical data in a user-friendly interface, which helps researchers obtain more accurate results and increase analysis throughput.

IVIS® Spectrum™ In Vivo Imaging System and Comprehensive Suite of *In Vivo* Imaging Reagents: help researchers achieve simultaneous molecular and anatomical longitudinal studies for insight into complex biological systems in small animal models. The system contains a comprehensive suite of fluorescent and bioluminescent imaging agents and uses integrated optical and microCT technology, 3D optical tomography and sensitive detection technology.

G8 PET/CT Preclinical Imaging System: an ultra-sensitive and fast multimodal preclinical PET/CT imaging system in a benchtop format, this system enables researchers to image trace amounts of a probe (about 10x lower dose than conventional scanners), reducing barriers to PET imaging, exposure to subjects and researchers, and overall costs.

Opera® Phenix™ High-Content Screening System: combines speed and sensitivity for high-throughput, phenotypic screening and assays involving complex disease models, such as live cells, primary cells and microtissues.

EnSight® Multimode Plate Reader: a benchtop system that offers well imaging, label-free and labelled detection technologies, enabling researchers to compare and combine results from orthogonal assays using a range of technologies to make new findings on a single, flexible and upgradeable system.

Kits and Reagents for Oncology Research and Drug Discovery: a wide range of oncology, inflammation and immuno-oncology target options in multiple homogeneous assay formats, including AlphaLISA®, LANCE® TR-FRET, AlphaLISA *SureFire® Ultra™*, Alpha *SureFire Ultra* Multiplex and AlphaPlex®.

PerkinElmer's Applied Genomics technologies on display at AACR 2017 will include:

JANUS® G3R NGS Express Workstation: uses an intuitive library-prep interface for fragment library preparation, amplicon sequencing, target capture, and sample normalization.

LabChip® GX Touch System: offers researchers microfluidics technology that performs reproducible, high-resolution, electrophoretic separations. A variety of assay kits are available to automate DNA and RNA sizing and quantitation of both fragments and smears to address multiple input concentration ranges.

chemagic™ Prepito® instrument: a compact benchtop solution for DNA/RNA isolation which represents a top quality sample preparation system. This instrument leverages PerkinElmer's many years of experience in automated, magnetic bead based nucleic acid isolation, delivering high yield and purity DNA/RNA that are integral to the success of downstream applications.

NEXTflex™ Spike-In Controls: allow researchers to assess procedural, instrumental, and human error in the sequencing workflow. Cross contamination in sequencing workflows is a serious issue that has led to inaccurate data interpretation in research settings. These technologies help researchers to understand the extent and source of miscalled reads, even at low levels, improving the accuracy of variant calling and the detection of genetic associations.

NEXTflex™ Amplicon Panels: contain a number of cancer related genes and/or hot spots for Illumina® and Ion Torrent™ sequencing. These panels offer high uniformity of coverage and on-target rates.

POSTERS
& PRESENTATIONS:

PerkinElmer's team of scientific specialists are participating in and contributing to several presentations, including five scientific posters. For more information, please visit our AACR event page.

MORE: PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. The Company reported revenue of approximately $2.1 billion in 2016, has approximately 9,000 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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