



August 30, 2016

PerkinElmer to Showcase Portfolio of Advanced Preclinical Imaging Solutions and Software at WMIC 2016

WHAT: [PerkinElmer, Inc.](#), a global leader focused on improving the health and safety of people and the environment, today announced that it will display its comprehensive preclinical in vivo imaging portfolio at the 2016 World Molecular Imaging Congress (WMIC). Organized by the World Molecular Imaging Society (WMIS), WMIC brings together scientists to exchange ideas and foster innovation to enable discoveries.

“Our industry-leading preclinical imaging solutions for optical, PET, and microCT modalities, along with our wide range of reagents, provide researchers with tools to better understand disease initiation and progression while translating their insights into impacts in the clinic,” said Brian Kim, President, Life Sciences & Technology, PerkinElmer.

WHEN: September 7-10, 2016

WHERE: Javits Convention Center, New York, Booth #208

ON DISPLAY: PerkinElmer will highlight the following in vivo imaging technologies at the event:

[Quantum™ GX microCT Imaging System](#) and [AccuCT™ Advanced Bone Analysis Software for microCT Imaging](#): a multispecies imaging system providing high-resolution images at an X-ray dose low enough to enable longitudinal imaging. With an 8-second scan time, the Quantum GX is one of the fastest microCT scanners on the market, scanning an entire mouse in 24 seconds, and reconstructing a 3D image in 23 seconds, enabling true high-throughput scanning.

- **AccuCT Advanced Bone Analysis Software** automatically identifies and masks bone objects from CT data sets generated by the Quantum GX or FX system. The software can automatically segment the affected bones, which facilitates the ease, speed and reproducibility of the analysis. Researchers can improve consistency and increase accuracy in microCT analysis without a frame-by-frame review of the CT data during the object masking process.

IVIS® SpectrumCT In Vivo Imaging System: a versatile optical imaging platform for small animal preclinical imaging research . The system offers bioluminescence and fluorescence imaging with integrated microCT for 2D and true 3D imaging. The platform enables simultaneous molecular and anatomical longitudinal studies, providing researchers essential insights into complex biological systems in small animal models.

In Vivo Imaging Reagents, including:

- **Bioluminescent Oncology Cell Lines**
- **Bioluminescent Bacteria**
- **Bioluminescent Substrates**
- **Fluorescent Agents, Labeling Kits and Dyes**

G8 PET/CT Imaging System: delivers high resolution, high sensitivity PET scanning integrated with a sub-minute, low dose of microCT in a benchtop platform. Together with PerkinElmer's range of **radionuclides** such as ⁸⁹Zr and ¹²⁴I, this highly versatile system can be integrated into current preclinical research workflows for a broad range of applications from neurology, oncology, cardiology, bio-distribution and drug discovery.

Solaris™ Open-Air Fluorescence Imaging System: a high impact research tool allowing scientists to more effectively translate in vivo preclinical imaging of small animal models into large animal models to accelerate research. This system is designed for fluorescence image-guided surgery applications for use with a broad spectral range of fluorescence probes.

PRESENTATIONS:

PerkinElmer's subject matter experts will also deliver the following presentations:

Multimodality Imaging – Greater than the Sum of its Parts

Friday, September 9: 8:00am- 9:30am, Room 1E10

Presenters:

Kenneth P. Olive, Ph.D., Assistant Professor, Departments of Medicine and Pathology & Cell Biology, Columbia University Medical Center

Kevin P. Francis, Ph.D., Research Fellow, PerkinElmer

Abstract:

Multimodality imaging and co-registration helps researchers derive the most from in vivo imaging studies. Through combining modalities, researchers can improve their understanding and gain valuable data to elucidate a myriad of aspects of the disease model – in vivo, noninvasively saving time, effort and cost.

Spotlight Session: Translational Neuroscience and Neurodegenerative Diseases

Saturday, September 10: 8:00 am -9:30am, Room 1E08 (PerkinElmer sponsoring)

Roundtable: PerkinElmer will host a roundtable discussion on the current state and future direction of PET Imaging with 15 key opinion leaders from the in vivo imaging space.

POSTERS: PerkinElmer will also feature the following scientific posters:

[“Intra-operative imaging and detection of tumors in a multispectral open-air fluorescence-guided surgery platform with liquid crystal tunable filters \(LCTF\)”](#)

Poster #P023

Friday, September 10, 1:15pm-2:15pm

[“Combined efficacy and toxicity imaging following acute 5-FU treatment of HT-29 tumor xenografts”](#)

Poster #P167

Friday, September 10, 1:15pm-2:15pm

[“Multimodality \$\mu\$ CT/optical imaging reveals an acute sorafenib-driven increase in bone loss and inflammation in a model of breast cancer growth in bone”](#)

Poster #: P019

Friday, September 10, 1:15 pm-2:15pm

MORE: For more information about PerkinElmer at WMIC, please [click here](#). Follow us on twitter [@PKILifeScience](#) and join the conversation about WMIC.

With a portfolio that includes innovative instruments, reagents, lab management services and data analytics, PerkinElmer’s integrated life science solutions power smarter science and better research to improve human health. Scientists leverage PerkinElmer’s products, software and services to take new research approaches, achieve meaningful breakthroughs and translate discoveries made in the lab to the real world.

**ABOUT
PERKINELMER:**

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2.3 billion in 2015, 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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