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PerkinElmer Introduces Multi-Species Integrated Optical and X-ray Imaging System

SUMMARY: PerkinElmer introduces the [IVIS® Lumina XRMS Series III](#) multimodal imaging system offering industry-leading bioluminescence and low dose X-ray imaging, along with novel ultra-sensitive, two-dimensional in vivo fluorescence imaging technologies. The Lumina XRMS allows researchers from academic to commercial institutions the flexibility to perform quantitative and multimodal pre-clinical imaging with exceptional sensitivity on mice and rats. The Lumina XRMS delivers precise optical and X-ray overlay to give anatomical context to the optical signal, a key benefit of research applications such as oncology, infectious disease, and implant biology.

In vivo studies utilizing larger animal species such as rats are critical for various applications in drug discovery, including efficacy, safety and toxicology. Larger animal species afford a broader range of metabolic pathways and anatomical and physiological characteristics which may be advantageous over using mice models, as outcomes will more closely represent what might ultimately occur in humans.

The IVIS Lumina XRMS III Series is equipped with a unique illumination technology that increases fluorescent transmission deep into the near-infrared (NIR) range with full transmission through 900 nm. The system incorporates PerkinElmer's patented Compute Pure Spectrum (CPS) algorithm to ensure accurate auto-fluorescence removal, unmixing and fluorophore quantitation.

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 \$2.1 billion in 2012, has about 7,500 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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