Life Cell Imaging Market to Surpass US$ 9.2 Billion Threshold by 2025 Globally

Coherent Market Insights is a market research Publisher which offers report on "Life Cell Imaging Market to Surpass US$ 9.2 Billion Threshold by 2025 Globally".

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SEATTLE, WASHINGTON, UNITED STATES, December 18, 2017 /EINPresswire.com/ -- The Global Life Cell Imaging Market, by Product Type (Instruments and Consumables), by Modality (Portable and Standalone), by End-use Industry (Hospitals, Research Laboratories, Biotechnology Companies and Pharmaceutical Companies) and by Region (North America, Latin America, Europe, Asia Pacific, the Middle East, and Africa) was valued at US$ 4.4 billion in 2016 and is projected to exhibit a CAGR of 8.6% over the forecast period (2017 – 2025), as highlighted in a new report published by Coherent Market Insights. Rapid increase in cancer incidence, in turn creates high demand for development of high-end microscope to understand the structural and functional complexities of the cells. This is expected to be the major factor driving growth of global life cell imaging market over the forecast period.

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Cancer is the second-largest cause of death worldwide, inadvertently creating lucrative growth opportunities for development of therapies to treat this chronic disease. According to the World Health Organization (WHO), 8.8 million people died from cancer in 2015, which accounts for 1 in 6 deaths. The data also suggests that 30-50% cases of these deaths could have been prevented with appropriate medication. Development of effective medication for the disease requires in depth study regarding the structure and mechanism of the tumor cells. This study is only possible with the help of imaging instruments such as microscopes and data analyzers and thus, the increasing research in the field of drug development is thus expected to propel the global life cell imaging market.

Furthermore, live cell imaging that has the capability to capture the live movements and

functionalities with the use of advanced technologies such as bright field microscopes and multi-photon electron microscopes are being installed in a lot of research laboratories and companies to accelerate the research process as well as help to attain accuracy in data analysis through computer-based software. The cell imaging instruments can also be used to study embryogenesis in the developmental biology studies to observe the phases of the development of an embryo using various animal cell models. The augmented reality imaging in the neurology is also helpful in understanding the electrophysiology of the nerve impulses and signal channel detectors through imaging techniques.

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Cell imaging system manufacturers are focused on incorporation of various technologies in order to improve the imaging quality and provide ease and assistance in imaging studies. The imaging companies are using technologies such as Fluorescence Resonance Energy Transfer (FRET), Fluorescent in situ Hybridization (FISH), Reflection Fluorescence Microscopy (TRIF) and Multi-photon Excitation Microscopy for the development of high-end analyzers systems. The Cell imaging analyzer systems is thus expected to be the leading instrument among the product type segment throughout the forecast years. For instance, In January 2017, Olympus launched a 3D laser measuring microscope with 4K scanning that will provide fast and intuitive surface metrology. Various such products coming in the near future are expected to create a competitive scenario among the market players to come up with innovative products.

Key Takeaways of the Life Cell Imaging Market:

The global cell imaging Market is expected to exhibit a CAGR of 6% over the forecast period, owing to the technological development in the field of microscopy majorly in North America and Europe.

Among product types, cell imaging analyzer systems segment holds a dominant position in the market, due to extensive development in the field of live cell imaging

Among modalities, stand-alone segment holds a dominant position in the life cell imaging market, due to the accuracy obtained through these devices as compared to that of the portable devices

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Some major players operating in the global life cell imaging market are Leica Microsystems, Carl Zeiss Meditec AG, Nikon Instruments, Inc., Thermofisher Scientific, Inc., Olympus Corporation, GE Healthcare, Sigma-Aldrich Corporation, Molecular Devices LLC, PerkinElmer, Inc. and Becton-

Dickinson and Company.

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Coherent Market Insights is a prominent market research and consulting firm offering action-ready syndicated research reports, custom market analysis, consulting services, and competitive analysis through various recommendations related to emerging market trends, technologies, and potential absolute dollar opportunity.

Contact Us:

Mr. Shah
Coherent Market Insights
1001 4th Ave,
#3200
Seattle, WA 98154
Tel: +1-206-701-6702
Email: sales@coherentmarketinsights.com

Mr. Shah
Coherent Market Insights
+1-206-701-6702
email us here
