

Global Live Cell Imaging Market Outlook 2020

<https://marketpublishers.com/r/G507B131BBCEN.html>

Date: July 2015

Pages: 60

Price: US\$ 1,400.00 (Single User License)

ID: G507B131BBCEN

Abstracts

The new report introduced by RNCOS entitled, “Global Live Cell Imaging Market Outlook 2020”, includes a comprehensive analysis of the current and future outlooks of the live cell imaging industry. The report presents a detailed description of several techniques involved in imaging of living cells, as well as the segmentation of the market by products, applications and geography. As per RNCOS’ analysis, live cell imaging is widely penetrating in a number of fields such as cell biology, developmental biology, neurobiology and electrophysiology. It is emerging as a powerful tool for providing critical insights into cell function, including dynamic processes in living cells with nano-scale resolution in real time. Recent advances in microscopy techniques such as fluorescence light microscopy, including super resolution, photo activation, etc. are enriching live cell imaging for a number of applications.

Live Cell Imaging is growing in both developed and developing nations. It has been noted that a multitude of countries are significantly investing in LCI research. Other factors such as increasing development and availability of fluorescent protein and dye technologies, the growing interest of public and private sectors and increasing automation will drive the industry to grow with CAGR of 8% in the next six years (2014-2020). However, technical difficulties like maintaining live cells on the microscope stage and the shortage of skilled professionals are likely to be the major roadblocks for the industry.

Currently, the live cell imaging market is dominated by cell biology applications. Researchers are effectively exploiting the specialty of the technology in specifying the structural components and the spatial heterogeneity of a normal cell. The report also illustrates the competitive landscape influencing the current industry situation. Both established players as well as start-ups are using different business strategies to sustain in the market. Most commonly used strategies used by the players are new product launches and mergers & collaborations. Some of the key players in the market

include Carl Zeiss, Nikon Instruments, Leica Microsystems, PerkinElmer, Thermo Fisher Scientific, among others. The study also incorporates a SWOT analysis of key players and developments occurring at the player level since the last two years.

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