

Super-resolution Imaging Technologies in Life Science

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Abstracts

REPORT INCLUDES:

An overview of the super-resolution imaging technologies in life science sector to evaluate cells at the nanoscale level

Quantitative analysis of the market outlook for super-resolution imaging systems

Discussion of various types of super-resolution imaging systems, configuration of these systems, their applications in biophysical investigations, and recent technological achievements

Current technology assessment as well as outlining trends that are expected to contribute to market growth for these imaging technologies

Comparison between three preeminent kinds of super-resolution microscopy technologies, such as stimulated emission depletion microscopy (STED), photoactivated localization microscopy (PALM) and stochastic optical reconstruction microscopy (STORM)

Discovering the advantages and challenges in using these techniques together; along with current and emerging trends for improving super-resolution imaging systems

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