



Market Analysis
Cell Biology 2020



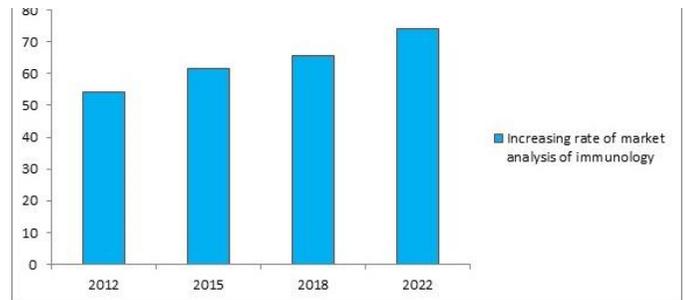
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[Neurosurgery](#) is a branch of medicine which deals with surgical treatment of the nervous system disorders. [Cell biology](#) is a branch of biology that studies the structure and function of the cell, also known as the basic unit of life. Cell biology encompasses both prokaryotic and eukaryotic cells and can be divided into many sub-topics which may include the study of cell metabolism, cell communication, cell cycle, and cell composition. The study of cells is performed using several techniques such as cell culture, various types of microscopy, and cell fractionation. These have allowed for and are currently being used for discoveries and research pertaining to how cells function, ultimately giving insight into understanding larger organisms. Knowing the components of cells and how cells work is fundamental to all [biological sciences](#) while also being essential for research in biomedical fields such as cancer, and other diseases.

The global cellular analysis market for cell biology tools and reagents reached \$45.9 billion in 2014 and \$48.2 billion in 2016. The market should reach \$58.0 billion by 2020, growing at a Compound Annual Growth rate (CAGR) of 3.8% from 2015 to 2020. The scope of this study involves the tools and reagents employed in the genomics markets. The genomic markets include both the pharmaceutical and biotechnology industries. The tools and reagents covered in this report are used to conduct research in the domains of genomics and cell (DNA and RNA research), proteomics, cell biology research, epigenetics, [metabolomics](#), bioinformatics, microscopy and imaging, and stem cell research. Also included are the markets of recombinant animal models, antibodies and proteins.

Increase rate of market analysis of Cell Biology



Introduction of technology advanced cell analysis instruments, increasing incidence of infectious and chronic diseases, a rising number of patients suffering from cancer, and increasing investments from various government life sciences & associations companies for [cell biology research](#) activities. Cell signaling market is expected to grow from USD 2.53 billion in 2017 to USD 3.51 billion by 2022, at a CAGR of 6.8%. This report aims to estimate the market size and potential for growth in the cell signaling market across different segments such as type, product, technology, pathway, applications, and regions. Cancer is the second leading cause of death globally, and about 1 in 6 deaths is due to cancer. The rising number of patients suffering from chronic diseases such as cancer, diabetes, [cardiovascular disorders](#), and neurological conditions has led to an increase in cell signaling-based research across the globe. According to the 2014 report of the American Heart Foundation, nearly 17.3 million people die due to cardiovascular diseases (CVDs) each year, accounting for 30% of global deaths. This number is projected to increase to 23.6 million by 2030.