

Bio Simulation Technology - Global Market Outlook (2015-2022)

<https://marketpublishers.com/r/B72844C0B5BEN.html>

Date: March 2016

Pages: 145

Price: US\$ 4,150.00 (Single User License)

ID: B72844C0B5BEN

Abstracts

According to Statistics MRC, the Bio Simulation Technology Market is estimated at \$1.01 billion in 2015 and is projected to reach \$2.99 billion by 2022 growing at a CAGR of 16.6% from 2015 to 2022. Reduction in the cost of drug discovery and development and risk of failure of drug molecule are some of the factors driving the market growth. Furthermore, R&D investments in biotechnology and pharmaceutical industries, growth in the biologics and biosimilars markets, increased use of personalized medicines, technological advancements and periodic product upgradation are the key factors vitalizing the market growth. However, lack of standardization, high R&D costs associated with development of biosimulation software and lack of skilled professionals are some of the major restraints hampering the market growth. Industrial bioprocessing, nutraceuticals, agri-food production and biosimulation in the defense will provide opportunities for market growth over the forecast period.

Pharmaceutical and biotechnology companies segment is valued to account largest share across the global market. North America is anticipated to command the largest share and Europe is expected to register the highest growth due to increasing government funding and the large number of pharmaceuticals and biotechnology companies in this region.

Some of the key players in this market include Certara USA Inc., Simulation Plus Inc., Dassault Systèmes SA, Schrödinger Inc., Advanced Chemistry Development Inc., Chemical Computing Group Inc., Entelos Holding Corporation, Genedata Ag, Physiomics PLC, Rhenovia Pharma Ltd., Insilico biosciences, Archimedes, Insilico biotechnology, Accelrys, LeadScope and Compugen.

Application Covered:

Application In Drug Development

Clinical Trials

Preclinical Testing

In Patient Validation

Application In Drug Discovery

Target Validation

Target Identification

Lead Identification/Discovery

Lead Optimization

Product Covered:

Software

Toxicity Prediction Software

Molecular Modeling and Simulation Software

Trial Design Software

PK/PD Modeling and Simulation Software

Pbpk Modeling and Simulation Software

Other Software

Services

External/Contract Services

In-House Services

End user Covered:

Regulatory Authorities

Academic and Government Research Institutes

Pharmaceutical and Biotechnology Companies

Contract Research Organizations

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

Rest of Asia Pacific

Rest of the World

Middle East

Brazil

Argentina

South Africa

Egypt

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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