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Global Neurophotonics Market Size study & Forecast, by Type (Microscopy, Spectroscopy, Multimodal) By Application (Research, Diagnostics, Therapeutics) By End User (Hospitals, Clinics, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Neurophotonics Market is valued at approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Neurophotonics is described as covering optical technologies relevant to the study of neurons and neural activity of the brain and their influence on fundamental and practical applications of neuroscience. Neurophotonic technologies are being used in research, diagnosis, and therapy-based applications. Furthermore, Imaging devices are commonly used in such research and diagnosis, whereas therapy systems are primarily used for biomodulation and neurostimulation. The Neurophotonics market is expanding because of factors such as an increasing number of hospitals and a rise in the unhealthy lifestyle.

In neurology light-based technologies are gaining interest, as they have advantages over other methods such as X-rays, magnetic fields, and radio waves at lower costs, and have long-term safety. Its prevalence has progressively increased during the last few decades. The American Hospital Association conducts an annual survey of hospitals in the United States. In 2020, there are total 6,093 number of hospitals were registered till now. Furthermore, 5,139 were community 1 Hospitals. Another important component driving space increase is an unhealthy lifestyle. According to the World Health Organization, an estimated 600 million, almost 1 in 10 people in the world fall ill after eating contaminated food and around 420 000 die every year. In addition, USD 110 billion is lost each year in medical expenses resulting from unsafe food in low- and middle-income countries. Also, a rise in healthcare expenditures and rising

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technological advancements in healthcare devices would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of Neurophotonics stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Neurophotonics Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the rising government initiatives in biotechnology. Furthermore, Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising geriatric and target populations, and active participation of government and nonprofit organizations in the market space.

Major market player included in this report are:

Hitachi Ltd.
Artinis Medical Systems
Cairn Research, Ltd.
Femtonics Ltd.
Carl Zeiss AG
Bruker Corporation
Horiba, Ltd.
Leica Microsystems GmbH
Thermo Fisher Scientific Inc
HemoPhotonics SL

Recent Developments in the Market:
In September 2022, Thermo Fisher Scientific Inc launched a new biomanufacturing facility in Chelmsford, Massachusetts. The 85,000-square-foot facility will help in supplying the rising demand for the biological components required to create vaccinations and treatments for cancer and other disorders. The company is investing USD 650 million in the coming years to increase the production capacity of biotechnological products.

Global Neurophotonics Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

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Segments Covered Type, Application, End User, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type
Microscopy
Spectroscopy
Multimodal

By Application
Research
Diagnostics
Therapeutics

By End User
Hospitals
Clinics
Others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France

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Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
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RoLA
Rest of the World

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