

Global Optogenetics Market 2022-2028

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Abstracts

The global optogenetics market is expected to increase by USD 126.0 million, at a compound annual growth rate (CAGR) of 3.7% from 2022 to 2028, according to the latest edition of the Global Optogenetics Market Report.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global optogenetics market. It traces the market's historic and forecast market growth. The report identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches. This study also provides an analysis of the impact of the COVID-19 crisis on the optogenetics industry.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the light equipment, actuator, sensor, application, and region. The global market for optogenetics can be segmented by light equipment: laser, light-emitting diode (LED). The laser segment held the largest share of the global optogenetics market in 2021 and is anticipated to hold its share during the forecast period. Optogenetics market is further segmented by actuator: channelrhodopsins, halorhodopsin, archaerhodopsin. Globally, the channelrhodopsins segment made up the largest share of the optogenetics market. Based on sensor, the optogenetics market is segmented into: calcium, chloride, membrane-gated, others. The calcium segment was the largest contributor to the global optogenetics market in 2021. On the basis of application, the optogenetics market also can be divided into: neuroscience, behavioral tracking, retinal disease treatment, others. The neuroscience segment is estimated to account for the largest share of the global optogenetics market. Optogenetics market by region is categorized into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America.

Market Segmentation

By light equipment: laser, light-emitting diode (LED)

By actuator: channelrhodopsins, halorhodopsin, archaerhodopsin

By sensor: calcium, chloride, membrane-gated, others

By application: neuroscience, behavioral tracking, retinal disease treatment, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report also provides a detailed analysis of several leading optogenetics market vendors that include Bruker Corporation, Coherent Inc., GenSight Biologics SA, Judges Scientific plc, Laserglow Technologies, Shanghai Laser & Optics Century Co., Ltd., Thorlabs Inc., among others.

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Historical & Forecast Period

This research report provides analysis for each segment from 2018 to 2028 considering 2021 to be the base year.

Scope of the Report

To analyze and forecast the market size of the global optogenetics market.

To classify and forecast the global optogenetics market based on light equipment, actuator, sensor, application, region.

To identify drivers and challenges for the global optogenetics market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global optogenetics market.

To identify and analyze the profile of leading players operating in the global optogenetics market.

Why Choose This Report

Gain a reliable outlook of the global optogenetics market forecasts from 2022 to 2028 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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Latin America

PART 10. KEY COMPANIES

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Coherent Inc.
GenSight Biologics SA
Judges Scientific plc
Laserglow Technologies
Shanghai Laser & Optics Century Co., Ltd.
Thorlabs Inc.

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