

International Conference on Drug Chemistry

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2020 Conference Announcement

In the recent past, drug discovery has evolved significantly with emerging technologies, helping the process to become more refined, accurate, and less time consuming. Due to automation, multi-detector readers, imaging hardware and software, high-throughput screening is one of the most widely used [drug discovery technologies](#). There are several other evolving technologies, such as mass spectroscopy, protein and nucleic acid isolation, proteomics, RNAi, nanotechnology, and others, which contribute to advancements and innovations in drug discovery. The pharmaceutical and biotech companies are increasing their collaboration with contract development and manufacturing organizations, thus playing a crucial role in the development and innovation of new drugs and [drug delivery devices](#).

Other factors contributing to the growth of this market are - rising prevalence of a wide range of diseases (such as cardiovascular and CNS-related disorders), rising healthcare expenditure, and upcoming patent expiration of blockbuster drugs.

Geographically, North America is the most lucrative region in the market, due to the presence of a high number of top pharmaceutical and biotech companies in this region. The favorable regulatory framework and encouraging regulatory policies for investors to research and develop new drugs augment the growth of this market. Other factors, such as high-income population and healthy returns on investments for innovative technologies, are integral to the above factors. Asia-Pacific is expected to register a healthy growth rate, due to rising disposable incomes, economic growth, and increasing investment by the regional pharmaceutical and [biotechnology industry](#).

Medicinal chemistry is a stimulating field as it links many scientific disciplines and allows for collaboration with other scientists in researching and developing new drugs.

Medicinal chemists apply their chemistry training to the process of synthesizing new pharmaceuticals. They also improve the processes by which existing pharmaceuticals are made. Medicinal chemists are focused on drug discovery and development and are concerned with the isolation of medicinal agents found in plants, as well as the creation of new synthetic drug compounds. Most chemists work with a team of scientists from different disciplines, including biologists, toxicologists, pharmacologists, theoretical chemists, microbiologists, and biopharmacists. Together, this team uses sophisticated analytical techniques to synthesize and test new drug products and to develop the most cost-effective and environmentally friendly means of production. Medicinal chemistry offers a wide variety of lab opportunities in pharmaceutical, biotechnology, and medical device companies. Most chemists use their research skills to formulate, produce, characterize, and analyze new compounds for specific applications. However, each lab environment is unique in regards to daily activities and career opportunities. In some cases, laboratory work is not always required, for example, when reviewing drug applications at the FDA

Expanding R&D speculations, expanding center on the item quality & security, control is imperative drivers of the development of the advertising. Expanding R&D speculations is one of the basic maintainability techniques. Within the later a long time, the R&D cost is expanding and expected to proceed to extend over the figure period. The pharmaceuticals industry is ruled by the U.S., which holds around 45% of the worldwide showcase share since it is driven by the administrative situation and the nearness of the well-established outsourcing framework. Driving industry players designate around 20% of their turnover to R&D to preserve a competitive edge. Increase in complexity and number of benchmarks, which a single item may comply with, is driving significant development within the pharmaceutical expository testing administrations outsource inclusive is for musculoskeletal drugs. These are medications for infections such as rheumatoid- and osteo- joint pain, osteoporosis, carpal burrow disorder, tendonitis, rotator sleeve tear, strong dystrophy, myasthenia gravis, lupus erythematosus, and others. Major drugs in this section incorporate Piroxicam Glaxo, Dolonex, Felden, and Piroxicam Pfizer. The fragment accounted for 14% of the worldwide add up to in 2018. Cardiovascular, oncology and anti-infective drugs are the moments third and fourth biggest market.

Alessandro Ferrario with the Tittle "Amyloid hypothesis and drug development for Alzheimer's disorder: A critical review"

Anshoo Agarwal with the Tittle "Development and commercialization of oral peptide and protein therapeutics: Trends and perspectives"

Muhammad Kashif with the Tittle "Magnetic nanoparticles: Application as RF hyperthermia therapy & contrast agent in magnetic resonance imaging"

The Next series of conference organize by ME conference is International Conference on Drug Chemistry, September 22-23, 2020 Dubai, UAE which is revolving around the theme : Significance of CADD in Drug Discovery and Development.



Regards

Alina Grace

Drug Chemistry Conference 2020.