

2020 Market Analysis on International Congress on Drug Delivery

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Nanomedicine is a stimulating field as it links many scientific disciplines and allows for collaboration with other scientists in researching and developing new drugs. **Nanotechnologists** apply their chemistry and nanotechnology 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.

Nanotechnology mediated Drug Discovery volumes continue to rise in the U.S. and chemical market expected to contract this year—As a result, chemical industry capital spending in the U.S. surged 12.1% in 2014 and gained 21.0% in 2015, reaching \$43.58 billion and accounting for more than one-half of total construction spending by the manufacturing sector. The association representing US-based chemical producers said that US chemical production (excluding pharmaceuticals) is expected to realize the overall growth of 1.6% in 2016, followed by 4.1% growth next year, and 5.0% in 2018. Average annual gains of over 8% per year in U.S. Chemical industry capital spending are expected through 2018 with only a minor slowdown in subsequent growth expected. By 2021, ACC expects capital spending to reach \$70 billion, contributing to four consecutive years of job growth in the industry. American chemistry revenues will exceed \$1.0 trillion by 2020.

Pharmacy Council stated that more than 275 new chemical production projects had been announced since 2010 with a total value of more than \$170 billion, with a full 49% already complete or under construction; 61% of these are the foreign direct investment. By 2021, U.S. capital spending by the chemical industry will reach \$65 billion more than triple the level of spending at the start of this prolonged cycle in 2010. The trade surplus in chemicals (excluding pharmaceuticals) will grow to \$36 billion this year as exports rise by 2% to \$132 billion and imports hold steady at \$96 billion. Two-way trade between the U.S. and its foreign partners will reach \$227 billion this year and will grow steadily over the coming years.

The popularity of Nano-Formulation and Nano-Drug Discovery has increased significantly in recent years. The Drug Delivery Technology market is expected to reach USD 1,504.7 Billion by 2020 from USD 1,048.1 Billion in 2015, growing at a CAGR of 7.5% from 2015 to 2020. Nanotechnology mediated Drug delivery techniques and Nanomedicines Market offers a promising approach for the delivery of various kinds of drugs that have different molecular formulation. Nanomedicine technology is aimed at maximizing the drug delivery at the targeted site so as to increase the efficiency of drug and proposing improved patient compliance.

Importance & Scope:

The scope of Nanomedicine practice includes compounding and dispensing medications, and it also related to more modern services like patient care, including clinical services, reviewing medications for safety and efficacy, and providing drug information.

Well modern pharmacist and nanotechnologist profession have number of ways to mould the career. They can go for R&D, F&D, Toxicology, Clinical and Preclinical trials and clinical research, Quality control and assurance, IPR, DRA, biopharmaceutics, kinetic studies, marketing, Teaching professional and also in Information technology (as medical writer etc.). A person with Nanomedicine graduate can also go for Drug inspector, Government Analyst which is government jobs. So, lot of fields and vacancies are available for Nanotechnology graduates.

Recently, economic recession is not affected to any nano-pharmaceutical industry. This is because demand of drugs will not suppress ever. Lot of new problems regarding health and sanitation are arising day by day. Lot of work is there for pharmacist to take care of public sector.

From here, you will come to know that future of pharmacy is very bright and growth rate is exponentially increased year by year.

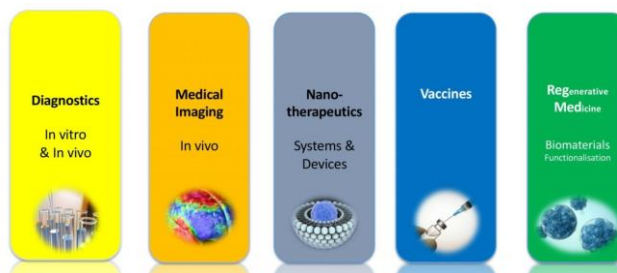


Fig 1: Applications of Nanomedicines

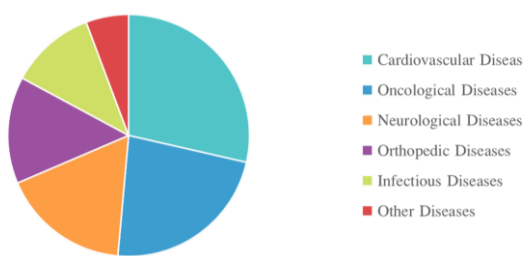


Fig 2: Nanomedicine Market Revenue Share (%)

Target Audience:

- Directors, CEO’s of Organizations
- Business Development Managers
- Chief Scientific Officers
- R&D Researchers from Pharma Industries
- PhD Scholars
- Patent Attorneys
- Investment Analysts
- Noble laureates in Health Care and Medicine
- Bio instruments Professionals
- Bio-informatics Professionals
- Software development companies
- Research Institutes and members
- Supply Chain companies
- Manufacturing Companies
- CRO and DATA management Companies
- Training Institutes
- Business Entrepreneurs

Related Companies/Industries:

- A Menarini Asia-Pacific Holdings Pte Ltd,
- Ab Sciex (Distribution)
- Abbott Laboratories (S) Pte Ltd,
- Abbott Mfg Singapore Pte Ltd,

- Abbvie Pte Ltd,
- Acyx Enterprise
- Advanced Medi Mart,
- Agila Specialties Global Pte Ltd,
- Alcon Singapore Mfg Pte Ltd,
- Allergen Singapore Pte Ltd,
- Apd Pharmaceutical Mfg Pte Ltd,
- Apex Pharma Marketing Pte Ltd,
- Apotheca Marketing Pte Ltd,
- Aslant Pharmaceuticals Pte Ltd,
- Astonix Life Science (S) Pte Ltd,
- Astrazeneca Singapore Pte Ltd,
- Atlantic Pharmaceutical (S) Pte Ltd,
- Aurum Medicare Pte Ltd,
- Aventis Pharma Mfg Pte Ltd,
- Bago Laboratories Pte Ltd,
- Beacons Pharmaceuticals Pte Ltd,
- Beecham Pharmaceuticals (Pte) Ltd,

Related Associations and Societies:

- International Pharmaceutical Federation (FIP)
- International Pharmaceutical Students’ Federation (IPSF)
- Pharmaceutical Group of the European Union (PGEU)
- Australian College of Pharmacy
- Pharmaceutical Society of Australia
- The Pharmacy Guild of Australia
- The Society of Hospital Pharmacists of Australia
- Canadian Pharmacists Association
- Canadian Society of Hospital Pharmacists
- Ontario Pharmacists Association