Drug Discovery Technologies - A Global Market Overview

Description: The development of new drugs for treating difficult diseases, such as cancer requires extensive expenditure, in addition to consuming a lot of time. The first step in designing a new drug involves the utilizing high-throughput screening of large chemical libraries for identifying compounds that can provide the requisite therapeutic effect. The capability of visualizing biological activity at the cellular level has constituted a strategic component in drug discovery, and adding automation and high-volume screening methods has enabled in testing compounds in large numbers. The field of pharmaceutical research is being provided considerable impetus through the combination of imaging and screening.

Worldwide market for drug discovery technologies explored in this study includes Bioanalytical Assays, Bioinformatics, Cell Based Assays, Genomic Technologies, High Throughput Screening, Proteomic Technologies and Others comprising Epigenetics, Metabolomics, Combinatorial Chemistry, Synthetic Biology, Systems Biology and Nanotechnology.

The global market value for the above mentioned technologies is analyzed in USD. High Throughput Screening accounts for a lion's share in global drug discovery technologies market with an expected share of about 30% in 2015 valued at $18 billion followed by Bioanalytical Assays or instruments by about $14 billion.

This 248 pages global market report includes 28 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 56 key global players and 67 major players across the United States – 41; Europe – 16; Asia-Pacific – 7; and Rest of World - 3. The research also provides the listing of the companies that are engaged in technology, contract research services and providers of discovery technologies. The global list of companies covers addresses, contact numbers and the website addresses of 186 companies.

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Patents Issued for Suven's New Chemical Entities to treat Neurodegenerative Disorders
Japan Patent Office Approves Patent for C4XD’s Technology
Additional Patents Issued on MorphoSys' Ylanthia in the US and in China
Sareum Receives a Patent for its Kinase Inhibitors in Japan
USPTO Grants Patent for Prima BioMed’s CVac
Japan Patent Office Decides to Issue Patent for Marina's SMARTICLES® Nucleic Acid Delivery Technology
USPTO Grants a Patent in Regulus’ Sarnow Patent Estate on microRNA Therapies to Treat HCV
USPTO Grants Patent for Kadimastem’s Cell Technology
Suven Receives Patent Approval in the US for its Major Depressive Disorder Drug
Notice of Allowance for Canadian Patent Granted to VistaGen
Issue of Patent on Broad Institute's New Gene-Editing Method
Dyadic Granted US Patent for High Throughput Screening
US Patent Granted to Theranostics Health
Reveleris Flash Chromatography System Receives Patent from the Australian Patent Office
Sareum Receives Patent for one of its CHK1 Cancer Programme-related Inventions in the US
Lpath’s iSONEP Receives Patent from USPTO
KeyGene Obtains Patent for High Throughput Screening in the US
Plasticell Receives Additional Patents for its CombiCult® Cell Culture Technology in the US, Europe, Australia
and Singapore
EntomoPharm Receives Patent for its BBB Insect Model in Europe
Summit Gets Patent for Utrophin Modulator SMT C1100 in the US
USPTO Grants Patent to OncoMed for Methods of Treating Cancer with its Antibody Vantictumab
Novel Component of Phylomer® Peptide Platform Patented by Phylogica for Advanced Cell-Penetrating Drug Discovery
COTI Receives Two Newly Granted Patents for its Lead Oncology Asset in the US

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Evotec Established Alliance with Eternygen on New Small Molecule Inhibitors Development
MRC Technology Partnered With Daiichi Sankyo to Discover New Drug Targets
Evotec, Debiopharm Group™ to Discover New Drugs to treat Cancer
Daiichi Sankyo Forms Alliance with UCSF on New Cures Development to Treat Neurodegenerative Diseases
Debut of a Synergetic Drug Discovery Project for 2014 by Daiichi Sankyo
Analgesic Drug Discovery and Development Collaboration Formed by Convergence and Evotec
MIT SBC, Pfizer Enter into a Three-Year Drug Discovery Research Alliance
Abide, Celgene Partners to Discover and Develop Novel Drugs to Treat Inflammation and Immunological Disorders
Novel Genetic Platform Having the Ability to Yield Natural Microbial Genomes
Johnson & Johnson Innovation Signs Novel Agreements with NEOMED and MaRS Innovation
Boehringer Ingelheim and Circuit Therapeutics Form Drug Discovery Research Pact for Three Years
Life Technologies and NCATS form RNAi Research Alliance to Enhance Novel Therapeutics Discovery
Novel Core Unit of USTAR and U of U Eases Pharmacological Therapeutic Development
JHL Biotech Inks Strategic Collaboration with Selexis to Develop Biologic Drugs
Bayer Offer Funding to the SGC for Expediting Drug Research
HitGen, the University of Manchester's Cancer Research UK Manchester Institute Drug Discovery Group and Cancer Research Technology Form Drug Discovery Pact
BioFocus, Boehringer Ingelheim Enter Into Drug Discovery Pact
Evotec Establishes Drug Discovery Alliance with Johnson & Johnson Innovation on AD Targets
Release of GE Healthcare Life Sciences' Novel Xuri™ Technology Family
4SC Discovery, CRELUX and AiCuris Form Drug Discovery Pact
Novel SLAP Technology for Drug Discovery Advancements
Inauguration of GE Healthcare Life Sciences Technology Laboratory at the UK's First Open Innovation Bioscience Campus
Debut of an "Open Innovation" Research Alliance by AstraZeneca and Taiwan's NRPB to Accelerate Drug Discovery
Asahi Kasei Pharma and Vernalis plc Collaborate to Discover Drugs for Autoimmune Diseases
Launch of Thermo Fisher Scientific's Novel Innovations at BioProcess International Conference and Exhibition
Adimab Establishes Alliance with Celgene on Multi-target Discovery
Eurofins Scientific, GE Healthcare Enter Pact on Drug Discovery Services
Debut of Boehringer Ingelheim and Polyphor into the Next Research Stage of their Alliance
Commercial Release of Agilent's RapidFire 365 High-Throughput Mass Spectrometry System
Zalicus Plans to Advance Clinical Development of 2944
Debut of Kinexus' DrugKINET KnowledgeBase
Evotec Establishes Alliance with Harvard University to Develop Novel Antibacterial Agents
UCSF Turns to be the First Partner of Pfizer's CTI in Both Small-Molecule and Biologics Discovery
In-House Development of Various Novel Antiviral Drugs from Achillion
Launch of Thermo Fisher Scientific's Drug Discovery and Biopharma Production Innovations
Sareum Partners with SRI International for Advancing the Clinical Development of Tyrosine Kinase 2 Small Molecule Drug Discovery Program
Launch of Hudson Robotics' High Efficiency Screening, an Advanced Drug Discovery Technology
Accelrys Insight and Accelrys Insight for Excel Drug Discovery Softwares from Accelrys, Inc
Renewal of Evotec and Genentech’s Drug Discovery Collaboration
Alchemia, AstraZeneca Form Multi-Target Drug Discovery Pact
RaQualia Establishes Research Alliance with Interprotein to Discover PPI Inhibitor
Collaborative Effort of Evotec and Ono Yields Novel Compounds for Preclinical Development
Galapagos Takeover Cangenix Assets
EMD Millipore's Novel Genomic Biomarker Services
Marketing of an Advanced Metabolite-Identification Platform by Agilent and Molecular Discovery
QuantiGene® ViewRNA Assay Platform-based Novel Cancer Biomarker Tests Co-developed by Affymetrix and MGH
Numerate and Merck Partnered to Discover Drug Leads for Cardiovascular Disease Target
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   Albany Molecular Research, Inc.
   Arqule Inc.
   Aviva Biosciences Corp.
   BD Biosciences
   Beckman Coulter Inc.
   Bioanalytical Systems, Inc.
   Bio-Rad Laboratories, Inc.
   Biovision, Inc.
   Bristol-Myers Squibb Company
   Bruker Corporation
   Caliper Life Sciences, Inc.
   Capital Genomix, Inc.
   Celera Corporation
   Celgene Corporation
   Charles River Laboratories International, Inc.
   Discoverx Corporation
   Discovery Genomics, Inc.
   EMD Millipore Corporation
   Hudson Robotics, Inc.
   Illumina Inc.
   Incyte Corporation
   Isis Pharmaceuticals, Inc.
   Life Technologies Corporation
   Luminex Corporation
   Maxcyte, Inc
   Merck & Co., Inc.
   Millennium Pharmaceuticals, Inc.
   Molecular Devices, LLC
   New England Biolabs, Inc.
   Osiris Therapeutics Inc.
   Perkinelmer, Inc.
   Promega Corporation
   Sigma-Aldrich Corporation
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   Bayer Healthcare AG (Germany)
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   Biofocus Dpi, Ltd (United Kingdom)
Boehringer Ingelheim GmbH (Germany)
Decode Genetics, Inc. (Iceland)
Evotec AG (Germany)
GE Healthcare Ltd. (United Kingdom)
Genedata AG (Switzerland)
Molecular Discovery Ltd. (Italy)
Novartis AG (Switzerland)
Qiagen N.V. (The Netherlands)
Quantum Pharmaceuticals (Russia)
Roche Holding AG (Switzerland)
Tecan Group Ltd. (Switzerland)

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Hitgen Ltd (China)
Kyowa Hakko Kirin Co., Ltd. (Japan)
Molecular Discovery Systems Pty., Ltd. (Australia)
Shimadzu Corporation (Japan)
The National Center for Drug Screening (China)
Viva Biotech Ltd (China)

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