Global Pharmacogenomics Market Size, Market Share, Application Analysis, Regional Outlook, Growth Trends, Key Players, Competitive Strategies and Forecasts, 2014 to 2024

Description: Pharmacogenomics Market - Growth, Share, Opportunities, Competitive Analysis, and Forecast, 2016 - 2023," the global pharmacogenomics market was valued at US$ 7,167.6 Mn in 2015, and is expected to reach US$ 11,938.8 Mn by 2024, expanding at a CAGR of 5.6% from 2016 to 2024.

Market Insights

Pharmacogenomics or personalized medicine is defined as “the tailoring of medical treatment to the specific characteristics of each patient.” This concept in reality involves the ability to classify individuals into subpopulations that are uniquely or disproportionately susceptible to a particular disease or responsive to a specific treatment. Personalized medicine emphasizes on paradigm shift in medicine from reaction to prevention. The individual response to the drug varies according to the genetic composition. Most of the responses are positive and show improvement while few face the side effects. To address those variations, it is necessary to study how the drug processing is affected by the genes. So when the genetic variation is affecting the drug processing and response, there is scope of the clinical study to be conducted and based on the result, adjust the dosage or to find a different drug according to the genetic composition of an individual.

Genetic study of an individual helps in predicting the susceptibility to disease, its progression and overall improves the diseases detection. Able to design unique disease prevention strategies, prescribe more effective drugs and reduce the ADR's, enhance quality of life, increase patient compliance; therefore able to optimize the health care cost by reducing the time, cost and rate of failure of clinical trials. Personalized medicine incorporates strong fundamental knowledge about the molecular and genetic frame, which is the main driver for its proliferation.

The global pharmacogenomics market is segmented based on technology type as microarray, sequencing, polymerase chain reaction and other technologies. Sequencing dominates the market, especially with the advent of next generation sequencing attributed by high throughput screening, high accuracy and speed.

Further elucidation of this market in terms of technologies is as follows:

Microarray

Sequencing:
- Sanger Sequencing
- Pyrosequencing
- Next-Generation Sequencing

Polymerase Chain Reaction

Other Technologies:
- Mass Spectrometry
- Electrophoresis

The global pharmacogenomics market is further segmented in terms of therapeutic application such as oncology, cardiology, psychiatry, infectious diseases, pain management, neurological disorders and others. Among these, oncology segment dominates the therapeutic market followed by psychiatry and infectious diseases.

Currently, North America occupies the largest revenue share for global pharmacogenomics market, largely dominated by the U.S. Major growth drivers of North America market are presence of extensive and evolved healthcare infrastructure, increasing preference for better, cost effective and personalized therapeutics for various diseases and infections. Asia Pacific is expected to be the most attractive regional market and is
anticipated to witness extensive growth during the forecast period.

Market Competition Assessment


Key Market Movements:

Focus on personalized medicine emphasizing on the paradigm shift in medicine from reaction to prevention. Able to design unique disease prevention strategies, prescribe more effective drugs and reduce the ADR's, enhance quality of life, increase patient compliance.

Recently, pharmacogenomics have being extensively used in drug development. It is used at various stages of drug development assessing and identifying effect of drug target polymorphisms on drug response.

Discovery of new biological mechanisms and identification of molecules with improved efficacy and safety

Contents:

1. Preface
   1.1. Report Scope and Description
   1.2. Research Methodology

2. Executive Summary
   2.1. Market Snapshot: Global Pharmacogenomics Market
   2.2. Global Pharmacogenomics Market, by Technology, 2015 & 2024 (Value %)
   2.3. Global Pharmacogenomics Market, by Application, 2015 & 2024 (Value %)
   2.4. Global Pharmacogenomics Market, by Geography, 2015 (Value %)

3. Market Overview and Future Outlook
   3.1. Global Pharmacogenomics Market Overview
   3.2. Market Inclination Insights
   3.3. Market Dynamics
     3.3.1. Market Drivers
       3.3.1.1. Rise in investment in research and development
       3.3.1.2. Advancement in technology pharmacogenomics engineering to create in vivo environment
       3.3.2. Challenge
       3.3.2.1. Lack of consistency in pharmacogenomics products
       3.3.3. Opportunities
       3.3.3.1. Focus on regenerative medicine
       3.3.3.2. Increased awareness of organ transplantation
   3.4. Attractive Investment Proposition, 2015
   3.5. Market Positioning Analysis of Key Players: Global Pharmacogenomics Market, 2015

4. Global Pharmacogenomics Market, By Technology, 2014 - 2024 (US$)
   4.1. Overview
   4.2. Microarray
   4.3. Sequencing
     4.3.1. Sanger Sequencing
     4.3.2. Pyrosequencing
     4.3.3. Next-Generation Sequencing
   4.4. Polymerase Chain Reaction
   4.5. Other Technologies
     4.5.1. Mass Spectrometry
     4.5.2. Electrophoresis

5. Global Pharmacogenomics Market, By Application, 2014 - 2024 (US$)
   5.1. Overview
   5.2. Oncology
   5.3. Cardiology
5.4. Pain Management
5.5. Neurological Disorders
5.6. Other

6. Global Pharmacogenomics Market, By Geography, 2014 - 2024 (US$)
6.1. Overview
6.2. North America
6.2.1. U.S.
6.2.2. Canada
6.3. Europe
6.3.1. U.K.
6.3.2. Germany
6.3.3. Rest of Europe
6.4. Asia Pacific
6.4.1. China
6.4.2. Japan
6.4.3. Rest of APAC
6.5. Latin America
6.5.1. Brazil
6.5.2. Mexico
6.5.3. Rest of LATAM
6.6. Middle East and Africa

7. Company Profiles
7.1. Abbott Laboratories, Inc.
7.1.1. Business Description
7.1.2. Financial Information
7.1.3. Product Portfolio
7.1.4. News Coverage
7.2. Affymetrix, Inc.
7.2.1. Business Description
7.2.2. Financial Information
7.2.3. Product Portfolio
7.2.4. News Coverage
7.3. AstraZeneca plc
7.3.1. Business Description
7.3.2. Financial Information
7.3.3. Product Portfolio
7.3.4. News Coverage
7.4. Assurex Health
7.4.1. Business Description
7.4.2. Financial Information
7.4.3. Product Portfolio
7.4.4. News Coverage
7.5. Bayer AG
7.5.1. Business Description
7.5.2. Financial Information
7.5.3. Product Portfolio
7.5.4. News Coverage
7.6. GeneDX
7.6.1. Business Description
7.6.2. Financial Information
7.6.3. Product Portfolio
7.6.4. News Coverage
7.7. F. Hoffmann-La Roche Ltd.
7.7.1. Business Description
7.7.2. Financial Information
7.7.3. Product Portfolio
7.7.4. News Coverage
7.8. Illumina, Inc
7.8.1. Business Description
7.8.2. Financial Information
7.8.3. Product Portfolio
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Global Pharmacogenomics Market Size, Market Share, Application Analysis, Regional Outlook, Growth Trends, Key Players, Competitive Strategies and Forecasts, 2014 to 2024
Web Address: http://www.researchandmarkets.com/reports/4199134/
Office Code: SCWPOKCZ

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy - Single User:</td>
<td></td>
<td>USD 4500 + USD 56 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td></td>
<td>USD 4500</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td></td>
<td>USD 9000</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ____________________________ Last Name: ____________________________
Email Address: * ____________________________
Job Title: ____________________________
Organisation: ____________________________
Address: ____________________________
City: ____________________________
Postal / Zip Code: ____________________________
Country: ____________________________
Phone Number: ____________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World