Bioinformatics Market Analysis and Segment Forecasts to 2020

Description: The global market for bioinformatics is expected to reach USD 12.48 billion by 2020. Rapidly declining prices of DNA sequencing, growing adoption rates of bioinformatics as a cost effective tool for database management during clinical trials, increasing government initiatives encouraging the use of bioinformatics in drug discovery and the use of bioinformatics tools in emerging fields such as chemogenomics are some of the factors expected to drive market growth over the next six years. In addition, the introduction of advance technologies such as nanopore and cloud computing are expected to serve this market as future growth opportunities.

Bioinformatics platform products are expected to dominate the market, along with being the fastest growing segment, at an estimated CAGR of 22.8% from 2014 to 2020. The increasing demand for these platforms in technologically advanced processes such as high throughput screening for combination therapies namely pharmacogenomics and pharmacoproteomics is expected to serve this market as drivers during the forecast period. Global biocontent product demand is expected to reach USD 4.30 billion by 2020, growing at a CAGR of 16.9% from 2014 to 2020.

Further key findings from the study suggest:

- Bioinformatics based metabolomics applications are expected to grow at the highest CAGR of over 23.0% from 2014 to 2020 owing to the introduction of new analytical instruments proving vital for high throughput and accuracy enabled metabolite profiling.
- North America was the largest regional market in 2013, accounting for over 42% of global revenue. The presence of sophisticated healthcare infrastructure enabling advance R&D exercises, high availability of government funding and the high volume of pre-clinical studies conducted in this region are some of the factors expected to drive market growth.
- Asia Pacific bioinformatics market is expected to grow at the highest CAGR of 25.9% from 2014 to 2020 on account of rising demand for CRO (Contract Research Outsourcing) initiatives as a result of high cheap labor availability and rapidly improving healthcare infrastructure in emerging markets such as India and China.
- Key industry participants include IBM Life Sciences, Agilent Technologies, Affymetrix, Life Technologies Corporation, 3rd Millennium Inc., Celera Corporation, Accelrys Inc. and others.

For the purpose of this study, the report has segmented the global bioinformatics market on the basis of product, application and region:

Bioinformatics Product Outlook

- Bioinformatics Platforms
  - Sequence Analysis Platforms
  - Sequence Manipulation Platforms
  - Sequence Alignment Platforms
  - Structural and Functional Analysis Platforms
  - Others
- Bioinformatics Services
  - Database Management
  - Sequencing
  - Data Analysis
  - Others
- Biocontent
  - Generalized Biocontent
  - Specialized Biocontent

Bioinformatics Application Outlook

- Genomics
- Molecular Phylogenetics
- Metabolomics
- Proteomics
Contents: 
Chapter 1. Executive Summary
  1.1. Bioinformatics - Industry Summary and Critical Success Factors (CSFs)

Chapter 2. Bioinformatics Industry Outlook
  2.1. Market Segmentation
  2.2. Market Size and Growth Prospects
  2.3. Bioinformatics Market Dynamics
    2.3.1. Market Driver Analysis
    2.3.2. Market Restraint Analysis
    2.4. Key Opportunities Prioritized
    2.5. Industry Analysis - Porter's

Chapter 3. Bioinformatics Product Outlook
  3.1. Bioinformatics Platoforms
    3.1.2. Sequence Analysis Platforms
      3.1.2.2. Structural and Functional Analysis Platforms
      3.1.2.3. Sequence Alignment Platforms
        3.1.2.3.1. Sequence Alignment Platforms Market Estimates and Forecasts, 2012 - 2020 (USD Million)
      3.1.2.4. Sequence Manipulation Platforms
        3.1.2.4.1. Sequence Manipulation Platforms Market Estimates and Forecasts, 2012 - 2020 (USD Million)
    3.1.2.5. Others
      3.1.2.5.1. Other Platforms Market Estimates and Forecasts, 2012 - 2020 (USD Million)
  3.2. Biocontent
    3.2.2. Generalized Biocontent Tools
    3.2.3. Specialized Biocontent Tools
      3.2.3.1. Specialized Biocontent Tools Market Estimates and Forecasts, 2012 - 2020 (USD Million)
  3.3. Services
    3.3.2. Sequencing
      3.3.2.1. Sequencing Services Market Estimates and Forecasts, 2012 - 2020 (USD Million)
    3.3.3. Data Analysis Services
      3.3.3.1. Data Analysis Services Market Estimates and Forecasts, 2012 - 2020 (USD Million)
    3.3.4. Database Management Services
      3.3.4.1. Database Management Services Market Estimates and Forecasts, 2012 - 2020 (USD Million)
    3.3.5. Other Services
      3.3.5.1. Other Bioinformatics Services Market Estimates and Forecasts, 2012 - 2020 (USD Million)

Chapter 4. Bioinformatics Application Outlook
  4.1. Genomics
  4.2. Molecular Phylogenetics
  4.3. Metabolomics
    4.3.1. Metabolomics Market Estimates and Forecasts, 2012 - 2020 (USD Million)
  4.4. Proteomics
4.5. Transcriptomics
4.5.1. Transcriptomics Market Estimates and Forecasts, 2012 - 2020 (USD Million)
4.6. Chemoinformatics and Drug Designing
4.7. Others
4.7.1. Other Applications Market Estimates and Forecasts, 2012 - 2020 (USD Million)

Chapter 5. Bioinformatics Regional Outlook
5.1. North America
5.2. Europe
5.3. Asia Pacific
5.3.2. Bioinformatics Market Estimates and Forecasts, by Applications, 2012 - 2020 (USD Million)
5.4. RoW

Chapter 5 Competitive Landscape
5.1 Accelrys Inc.
5.1.1 Company Overview
5.1.2 Financial Performance
5.1.3 Product Benchmarking
5.1.4 Strategic Initiatives
5.2 IBM Life Sciences
5.2.1 Company Overview
5.2.2 Financial Performance
5.2.3 Product Benchmarking
5.2.4 Strategic Initiatives
5.3 3rd Millennium Inc.
5.3.1 Company Overview
5.3.2 Financial Performance
5.3.3 Product Benchmarking
5.3.4 Strategic Initiatives
5.4 Life Technologies Corporation
5.4.1 Company Overview
5.4.2 Financial Performance
5.4.3 Product Benchmarking
5.4.4 Strategic Initiatives
5.5 Agilent Technologies
5.5.1 Company Overview
5.5.2 Financial Performance
5.5.3 Product Benchmarking
5.5.4 Strategic Initiatives
5.6 Affymetrix
5.6.1 Company Overview
5.6.2 Financial Performance
5.6.3 Product Benchmarking
5.6.4 Strategic Initiatives
5.7 Celera Corporation
5.7.1 Company Overview
5.7.2 Financial Performance
5.7.3 Product Benchmarking
5.7.4 Strategic Initiatives
5.8 Rosetta Inpharmatics
5.8.1 Company Overview
5.8.2 Financial Performance
5.8.3 Product Benchmarking
5.8.4 Strategic Initiatives
5.9 BioWisdom Ltd.
5.9.1 Company Overview
5.9.2 Financial Performance
5.9.3 Product Benchmarking
5.9.4 Strategic Initiatives

Chapter 7. Methodology and Scope
7.1. Research Methodology
7.2. Research Scope & Assumption
7.3. List of Data Sources

List of Tables:
Bioinformatics - Industry summary & Critical Success Factors (CSFs)
Global Bioinformatics revenue, 2012 - 2020
Global Bioinformatics market revenue by region, (USD million), 2012 - 2020
Global Bioinformatics market revenue by products, (USD million), 2012 - 2020
Global bioinformatics platforms, 2012 to 2020 (USD million)
Global bioinformatics platforms market, by region, 2012 to 2020 (USD million)
Global sequence analysis platforms demand, 2012 to 2020 (USD million)
Global structural and functional analysis platforms demand, 2012 to 2020 (USD million)
Global sequence alignment platforms demand, 2012 to 2020 (USD million)
Global sequence manipulation platforms demand, 2012 to 2020 (USD million)
Global other platforms demand, 2012 to 2020 (USD million)
Global biocent tool market, 2012 to 2020 (USD million)
Global biocent tool market, by region, 2012 to 2020 (USD million)
Global generalized biocent tool demand, 2012 to 2020 (USD million)
Global specialized biocent tool demand, 2012 to 2020 (USD million)
Global bioinformatics services demand, 2012 to 2020 (USD million)
Global bioinformatics services demand, by region, 2012 to 2020 (USD million)
Global sequencing services demand, 2012 to 2020 (USD million)
Global data analysis services demand, 2012 to 2020 (USD million)
Global database management services demand, 2012 to 2020 (USD million)
Global other services demand, 2012 to 2020 (USD million)
Global bioinformatics based genomics market, 2012 to 2020 (USD million)
Global bioinformatics based genomics market, by region, 2012 to 2020 (USD million)
Global bioinformatics based molecular phylogenetics market, 2012 to 2020 (USD million)
Global bioinformatics based molecular phylogenetics market, by region, 2012 to 2020 (USD million)
Global bioinformatics based metabolomics market, 2012 to 2020 (USD million)
Global bioinformatics based metabolomics market, by region, 2012 to 2020 (USD million)
Global bioinformatics based proteomics market, 2012 to 2020 (USD million)
Global bioinformatics based proteomics market, by region, 2012 to 2020 (USD million)
Global bioinformatics based transcriptomics market, 2012 to 2020 (USD million)
Global bioinformatics based transcriptomics market, by region, 2012 to 2020 (USD million)
Global bioinformatics based chemoinformatics and drug designing market, 2012 to 2020 (USD million)
Global bioinformatics based chemoinformatics and drug designing market, by region, 2012 to 2020 (USD million)
Global other applications market, 2012 to 2020 (USD million)
Global other applications market, by region, 2012 to 2020 (USD million)
North America bioinformatics demand, by products, (USD million), 2012 - 2020
North America bioinformatics demand, by applications, (USD million), 2012 - 2020
Europe bioinformatics demand, by products, (USD million), 2012 - 2020
Europe bioinformatics demand, by applications, (USD million), 2012 - 2020
Asia Pacific bioinformatics demand, by products, (USD million), 2012 - 2020
Asia Pacific bioinformatics demand, by applications, (USD million), 2012 - 2020
RoW bioinformatics demand, by products, (USD million), 2012 - 2020
RoW bioinformatics demand, by applications, (USD million), 2012 - 2020

Global Bioinformatics Market - Competitive Landscape
List of Figures:
Bioinformatics Market Segmentation
Global Bioinformatics Market Revenue, 2012 - 2020
Bioinformatics Market Dynamics
Bioinformatics Company Market Share Analysis, 2012
Key Opportunities Prioritized
Industry Analysis - Porter's
Bioinformatics PESTEL Analysis, 2012
Global bioinformatics revenue, by products, (USD million), 2012 - 2020
Global bioinformatics platforms market, by products, (USD million), 2012 - 2020
Global bioinformatics services market, by products, (USD million), 2012 - 2020
Global biocontent market, by products, (USD million), 2012 - 2020
Global bioinformatics market, by applications, (USD million), 2012 - 2020
Global bioinformatics based genomics market, (USD million), 2012 - 2020
Global bioinformatics based molecular phylogenetics market, (USD million), 2012 - 2020
Global bioinformatics based metabolomics market, (USD million), 2012 - 2020
Global bioinformatics based proteomics market, (USD million), 2012 - 2020
Global bioinformatics based transcriptomics market, (USD million), 2012 - 2020
Global bioinformatics based chemoinformatics and drug designing market, (USD million), 2012 - 2020
Global bioinformatics based other applications market, (USD million), 2012 - 2020
Bioinformatics market - company market share analysis, 2013 (%)

Ordering:  Order Online - http://www.researchandmarkets.com/reports/3292654/

Order by Fax - using the form below

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:** Bioinformatics Market Analysis and Segment Forecasts to 2020
- **Web Address:** http://www.researchandmarkets.com/reports/3292654/
- **Office Code:** SCBROJYA

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

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 4700</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td></td>
<td>USD 7500</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 9500</td>
</tr>
</tbody>
</table>

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>
</tbody>
</table>
| Bank Address   | Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.

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