

Plunkett's Biotech & Genetics Industry Almanac 2016: Biotech & Genetics Industry Market Research, Statistics, Trends & Leading Companies

<https://marketpublishers.com/r/P993BC1EF59EN.html>

Date: November 2015

Pages: 570

Price: US\$ 350.00 (Single User License)

ID: P993BC1EF59EN

Abstracts

PLUNKETT'S BIOTECH & GENETICS INDUSTRY ALMANAC 2016

Key Findings:

Plunkett Research lists top 400 companies in the Biotech & Genetics and names top trends changing the industry for the mid term.

Key Features:

Industry trends analysis, market data and competitive intelligence

Market forecasts and Industry Statistics

Industry Associations and Professional Societies List

In-Depth Profiles of hundreds of leading companies

Industry Glossary

Buyer may register for free access to search and export data at Plunkett Research Online

Link to our 5-minute video overview of this industry

Pages: 570

Statistical Tables Provided: 16

Companies Profiled: 399

Geographic Focus: Global

A complete market research report, including forecasts and market estimates, technologies analysis and developments at innovative firms. You will gain vital insights that can help you shape your own strategy for business development, product development and investments.

How is the industry evolving?

How is the industry being shaped by new technologies?

How is demand growing in emerging markets and mature economies?

What is the size of the market now and in the future?

What are the financial results of the leading companies?

What are the names and titles of top executives?

What are the top companies and what are their revenues?

Contents, Statistics, Forecasts and Analysis Include:

Major Trends Affecting the Biotech & Genetics Industry

- 1) The State of the Biotechnology Industry Today
- 2) A Short History of Biotechnology
- 3) Ethanol Production Soared, But U.S. Federal Subsidy Expires
- 4) Cellulosic Ethanol Makes Slow Commercial Progress
- 5) Major Drug Companies Acquire or Partner With Smaller Biotech Firms
- 6) From Korea to India to Singapore to China, Nations Compete Fiercely in Biotech Development
- 7) Patients' Genetic Profiles Plummet in Price as DNA Sequencing Technologies Advance
- 8) Gene Therapies Target Defective Genes/CRISPR Advances DNA Editing

- 9) Vaccines and Viruses in Drug Delivery
- 10) New Blockbuster Drugs Come to Market/ Drug Prices Soar/Generics Offer Some Relief
- 11) Biotech and Orphan Drugs Create New Revenues for Drug Firms
- 12) Biosimilars (Generic Biotech Drugs) Receive FDA Guidelines for Accelerated Approval/Competition Will Be Fierce
- 13) Drug Delivery Systems Evolve to Meet the Needs of Biotech Drugs
- 14) Stem Cells—Multiple Sources Stem from New Technologies
- 15) Government Support for Stem Cell Research Evolves
- 16) Stem Cells—Therapeutic Cloning Techniques Advance
- 17) Stem Cells—A New Era of Tissue Replacement Takes Shape
- 18) Nanotechnology Converges with Biotech
- 19) Genetically Modified (GM) Seeds and Crops/R&D Investment Is High
- 20) Genetically Modified (GM) Ingredients in Processed or Packaged Foods
- 21) Biopharming, Development of Transgenic, Plant-Based Pharmaceuticals
- 22) Cloning of Farm Animals/Meat and Cheese Substitutes Created in Laboratories
- 23) Selective Breeding, Zinc Fingers and Mutagenesis as Alternatives to GMOs
- 24) Immunotherapy Promises New Approach to Fighting Cancers
- 25) Technology Discussion—Genes and DNA
- 26) Technology Discussion—Proteins and Proteomics
- 27) Technology Discussion—Microarrays
- 28) Technology Discussion—DNA Chips
- 29) Technology Discussion—SNPs (“Snips”)
- 30) Technology Discussion—Combinatorial Chemistry
- 31) Technology Discussion—Synthetic Biology
- 32) Technology Discussion—Recombinant DNA
- 33) Technology Discussion—Polymerase Chain Reaction (PCR)

Biotech & Genetics Industry Statistics

- 1) Biotech Industry Overview
- 2) The U.S. Drug Discovery & Approval Process
- 3) U.S. FDA New Drug (NDA) and Biologic (BLA) Approvals, 2014
- 4) U.S. Pharmaceutical R&D Spending Versus the Number of New Molecular Entity (NME) Approvals: 1993-2014
- 5) Employment in Life & Physical Science Occupations by Business Type, U.S.: May 2014
- 6) Federal R&D & R&D Plant Funding for General Science & Basic Research, U.S.: Fiscal Years 2013-2015

- 7) U.S. Exports & Imports of Pharmaceutical Products: 2009-1st Quarter 2015
- 8) U.S. Prescription Drug Expenditures, Aggregate & Per Capita Amounts, Percent Distribution: 2007-2023
- 9) Prescription Drug Expenditures, U.S.: Selected Years, 1960-2023
- 10) Total U.S. Biotechnology Patents Granted per Year by Patent Class: 1977-2014
- 11) Research Funding for Biological Sciences, U.S. National Science Foundation: Fiscal Years 2014-2016
- 12) Global Area of Biotech Crops by Country: 2014
- 13) Domestic & Foreign Pharmaceutical Sales, PhRMA Member Companies: 1980-2014
- 14) Sales By Geographic Area, PhRMA Member Companies: 2013
- 15) Domestic U.S. Biopharmaceutical R&D & R&D Abroad, PhRMA Member Companies: 1980-2014
- 16) Domestic U.S. Biopharmaceutical R&D & R&D Abroad Breakdown, PhRMA Member Companies: 2013

Contents

INTRODUCTION

HOW TO USE THIS BOOK

CHAPTER 1: MAJOR TRENDS AFFECTING THE BIOTECH & GENETICS INDUSTRY

- 1) The State of the Biotechnology Industry Today
- 2) A Short History of Biotechnology
- 3) Ethanol Production Soared, But U.S. Federal Subsidy Expires
- 4) Cellulosic Ethanol Makes Slow Commercial Progress
- 5) Major Drug Companies Acquire or Partner With Smaller Biotech Firms
- 6) From Korea to India to Singapore to China, Nations Compete Fiercely in Biotech Development
- 7) Patients' Genetic Profiles Plummet in Price as DNA Sequencing Technologies Advance
- 8) Gene Therapies Target Defective Genes/CRISPR Advances DNA Editing
- 9) Vaccines and Viruses in Drug Delivery
- 10) New Blockbuster Drugs Come to Market/ Drug Prices Soar/Generics Offer Some Relief
- 11) Biotech and Orphan Drugs Create New Revenues for Drug Firms
- 12) Biosimilars (Generic Biotech Drugs) Receive FDA Guidelines for Accelerated Approval/Competition Will Be Fierce
- 13) Drug Delivery Systems Evolve to Meet the Needs of Biotech Drugs
- 14) Stem Cells—Multiple Sources Stem from New Technologies
- 15) Government Support for Stem Cell Research Evolves
- 16) Stem Cells—Therapeutic Cloning Techniques Advance
- 17) Stem Cells—A New Era of Tissue Replacement Takes Shape
- 18) Nanotechnology Converges with Biotech
- 19) Genetically Modified (GM) Seeds and Crops/R&D Investment Is High
- 20) Genetically Modified (GM) Ingredients in Processed or Packaged Foods
- 21) Biopharming, Development of Transgenic, Plant-Based Pharmaceuticals
- 22) Cloning of Farm Animals/Meat and Cheese Substitutes Created in Laboratories
- 23) Selective Breeding, Zinc Fingers and Mutagenesis as Alternatives to GMOs
- 24) Immunotherapy Promises New Approach to Fighting Cancers
- 25) Technology Discussion—Genes and DNA
- 26) Technology Discussion—Proteins and Proteomics

- 27) Technology Discussion—Microarrays
- 28) Technology Discussion—DNA Chips
- 29) Technology Discussion—SNPs (“Snips”)
- 30) Technology Discussion—Combinatorial Chemistry
- 31) Technology Discussion—Synthetic Biology
- 32) Technology Discussion—Recombinant DNA
- 33) Technology Discussion—Polymerase Chain Reaction (PCR)

CHAPTER 2: BIOTECH & GENETICS INDUSTRY STATISTICS

Biotech Industry Overview

The U.S. Drug Discovery & Approval Process

U.S. FDA New Drug (NDA) and Biologic (BLA) Approvals, 2014

U.S. Pharmaceutical R&D Spending Versus the Number of New Molecular Entity (NME) Approvals: 1993-2014

Employment in Life & Physical Science Occupations by Business Type, U.S.: May 2014

Federal R&D & R&D Plant Funding for General Science & Basic Research, U.S.: Fiscal Years 2013-2015

U.S. Exports & Imports of Pharmaceutical Products: 2009-1st Quarter 2015

U.S. Prescription Drug Expenditures, Aggregate & Per Capita Amounts, Percent Distribution: 2007-2023

Prescription Drug Expenditures, U.S.: Selected Years, 1960-2023

Total U.S. Biotechnology Patents Granted per Year by Patent Class: 1977-2014

Research Funding for Biological Sciences, U.S. National Science Foundation: Fiscal Years 2014-2016

Global Area of Biotech Crops by Country: 2014

Domestic & Foreign Pharmaceutical Sales, PhRMA Member Companies: 1980-2014

Sales By Geographic Area, PhRMA Member Companies: 2013

Domestic U.S. Biopharmaceutical R&D & R&D Abroad, PhRMA Member Companies: 1980-2014

Domestic U.S. Biopharmaceutical R&D & R&D Abroad Breakdown, PhRMA Member Companies: 2013

CHAPTER 3: IMPORTANT BIOTECH & GENETICS INDUSTRY CONTACTS

(Addresses, Phone Numbers and Internet Sites)

CHAPTER 4: THE BIOTECH 400: WHO THEY ARE AND HOW THEY WERE CHOSEN

Index of Companies Within Industry Groups

Alphabetical Index

Index of U.S. Headquarters Location by State

Index of Non-U.S. Headquarters Location by Country

Individual Profiles on Each of THE BIOTECH 400

Additional Indexes

Index of Hot Spots for Advancement for Women/Minorities

Index by Subsidiaries, Brand Names and Selected Affiliations

A Short Biotech & Genetics Industry Glossary

I would like to order

Product name: Plunkett's Biotech & Genetics Industry Almanac 2016: Biotech & Genetics Industry Market Research, Statistics, Trends & Leading Companies

Product link: <https://marketpublishers.com/r/P993BC1EF59EN.html>

Price: US\$ 350.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P993BC1EF59EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

