

*April 2007 BIO Member Survey Interview Schedule*

April 11-24, 2007

Project: #07192

N=252 BIO Members

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1. Which of the following best describes your job title?

71% President/CEO  
14% Senior Vice President  
7% Vice President  
3% Chief Officers  
3% Other  
2% Director  
\* Manager

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2. In what area or sector of the biotechnology industry does your company primarily operate?  
**(Multiple Responses accepted).**

93% Health care and/or drugs  
3% Agricultural  
3% Industrial and environmental  
2% Other  
1% Homeland defense and national security  
\* Food

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3. How many total people are employed by your company?

51% Fewer than 50  
15% 50 to 99  
15% 100 to 249  
4% 250 to 499  
4% 500 to 999  
10% 1,000 or more

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4. How optimistic are you that, in the future, the biotechnology industry will continue to develop new therapeutics and products to help address global needs in health care, agriculture, energy, and the environment? Please enter a number from "1" to "100" below that rates how optimistic you are about this. Please enter "50" if you do not really have strong feelings one way or the other. Of course, you could use any number between "1" and "100."

29% 100  
33% 90-99  
32% 70-89  
4% 50-69  
2% BELOW 50

**MEAN: 87.0**

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5. Thinking about the next 5 to 10 years, do you think the pace at which scientific discoveries are made in the biotech industry will be...

56% FASTER  
 8% SLOWER

37% or ABOUT THE SAME as it is today?

6. Using the space below, please describe the one or two main ways you believe Americans are benefitting from the biotechnology industry.

**SEE VERBATIM RESPONSES**

Now, please rate how optimistic you are that science and technology will find solutions and cures to the following problems in the next 10 to 15 years.

<b>TOT</b>	<b>TOT</b>	<b>VERY</b>	<b>SMWT</b>	<b>NOT TOO</b>	<b>NOT AT</b>
<b>OPT</b>	<b>NOT</b>	<b>OPT</b>	<b>OPT</b>	<b>OPT</b>	<b>ALL OPT</b>

**Ranked by % Very Optimistic**

7. Finding cures to help patients suffering from serious diseases such as cancer, Parkinson's disease, Alzheimer's disease, HIV/AIDS and multiple sclerosis.

**94%**      **6%**      51%      42%      5%      1%

10. Increasing food production and enhancing its nutritional value to alleviate the problem of hunger and malnutrition in the poorest countries of the world.

**79%**      **21%**      27%      52%      21%      1%

8. Developing alternative energy from renewable resources to serve as a significant replacement for traditional fossil fuels.

**75%**      **25%**      22%      54%      22%      2%

9. Protecting the environment from pollution and global warming.

**54%**      **46%**      8%      46%      39%      7%

The following is a list of issues or challenges facing biotechnology companies.

Using the scale below, please rate how difficult you think each of these challenges will be for biotechnology companies over the next 5 to 10 years. Of course you can choose any number between “1” and “10.”

	<u>8-10</u>	<u>4-7</u>	<u>1-3</u>	<u>MEAN</u>
<b>Ranked by Mean Score</b>				
13.	Regulatory burdens			
	55%	38%	7%	7.4
17.	Political interference with scientific judgement			
	49%	46%	5%	7.2
15.	The cost of technology			
	44%	49%	7%	6.9
18.	The lack of public understanding of the biotechnology industry			
	38%	52%	10%	6.7
16.	Securing new patents and the expiration of existing patents			
	28%	60%	12%	6.3
12.	The lack of available capital			
	33%	44%	23%	6.0
11.	The lack of qualified workers and the cost of training staff			
	19%	62%	19%	5.7
14.	Federal, state and local taxes			
	9%	58%	33%	4.7

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19. Which one of the following achievements do you think biotechnology companies are MOST LIKELY to make over the next 10 to 15 years?

<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	<b>Combined</b>	
17%	15%	33%	Finding a cure for Parkinson's disease
17%	13%	29%	Finding a cure for Alzheimer's disease
15%	12%	27%	Finding a cure for HIV/AIDS
9%	11%	20%	Using biotech "clean" technologies to drastically reduce pollution
8%	10%	17%	Using biotech methods to achieve energy independence.
6%	4%	10%	Using biotech methods to eliminate hunger and malnutrition around the world
2%	1%	4%	Improving quality of life//Lifting burden of disease
3%	*	3%	Cancer Research (General)
8%	1%	9%	Other
15%	6%	21%	None of the above

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20. Now, in general, would you say federal government regulation in the biotechnology industry has more of...

22% A POSITIVE impact on the industry  
56% A NEGATIVE impact on the industry

...or has it...

22% NOT MADE MUCH impact one way or another

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The following is a list of actions the federal government could take with respect to the biotechnology industry.

Using the scale below, please rate how HELPFUL each action would be to the biotech industry. Of course you can choose any number between "1" and "10."

8-10                      4-7                      1-3                      MEAN

**Ranked by Mean Score**

22.	Avoiding price controls on biotechnology products in the United States	71%	24%	5%	8.3
21.	Increase federal funding for biomedical research	59%	37%	5%	7.8
24.	International harmonization of patent laws	59%	38%	3%	7.7
25.	Increase federal funding for the development of biofuels	41%	48%	12%	6.7
23.	Developing a framework for follow-on biologics that resembles the European approach	29%	56%	15%	6.0

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Below is a list of goals the biotechnology industry is trying to reach in the next 10 to 15 years. Please rate how likely you think it is that the biotechnology industry will accomplish each goal in the next 10 to 15 years.

<b>TOT LIKELY</b>	<b>TOT NOT</b>	<b>VERY LIKELY</b>	<b>SMWT LIKELY</b>	<b>NOT TOO LIKELY</b>	<b>NOT AT ALL LIKELY</b>
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**Ranked by % Very Likely**

- |  |            |            |     |     |     |    |
|--|------------|------------|-----|-----|-----|----|
| 26. Discovering and developing cures to help patients suffering from serious diseases such as cancer, Parkinson's disease, Alzheimer's disease, HIV/AIDS, and multiple sclerosis.  | <b>82%</b> | <b>18%</b> | 35% | 47% | 17% | 1% |
| 27. Finding new ways to produce disease and drought-resistant crops, which will increase the food supply and enhance its nutritional value, alleviating hunger and malnutrition in third world countries where there is rapid population growth and poor conditions for farming. | <b>84%</b> | <b>16%</b> | 27% | 57% | 15% | *  |
| 32. Developing cleaner, more efficient and more sustainable ways to produce plastics through the use of renewable resources such as corn and other plants instead of petroleum.  | <b>82%</b> | <b>18%</b> | 17% | 65% | 15% | 3% |
| 30. Producing biological defense technologies that, in the event of a biological or chemical attack, can be used to detect attacks, inoculate people, and treat those who may have been exposed.   | <b>73%</b> | <b>27%</b> | 15% | 57% | 24% | 3% |
| 29. Reducing the nation's dependence on foreign oil through use of micro-organisms to make products, like ethanol, derived from sustainable, renewable resources like plants, grass and straw.   | <b>61%</b> | <b>39%</b> | 13% | 47% | 33% | 6% |
| 31. Developing new plants that would be like "green drug factories," producing new medicines and other products like preventive treatments for iron deficiency or ovarian cancer.  | <b>54%</b> | <b>46%</b> | 12% | 41% | 42% | 5% |
| 28. Transforming manufacturing by developing "clean" technologies that reduce pollution and the consumption of non-renewable energy sources.   | <b>65%</b> | <b>35%</b> | 8%  | 57% | 31% | 4% |

33. In what year were you born?

2%	25 - 34
15%	35 - 44
46%	45 - 54
33%	55 - 64
3%	65 AND ABOVE

34. Please enter the number of years you have been working in the biotechnology industry.

8% OVER 30  
38% 20-29  
38% 10-19  
16% UNDER 10

**MEAN: 17.3**

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35. Please record your gender.

90% MALE  
10% FEMALE

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36. And in politics today, do you consider yourself to be..

30% REPUBLICAN  
28% DEMOCRAT  
  
35% INDEPENDENT/OTHER  
7% Decline to state

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