



**NER / Transportation Subcommittee on
Governmental Operations**

October 19, 2010

NORTH CAROLINA BIOTECHNOLOGY CENTER



Mission Statement

The North Carolina Biotechnology Center's mission is to provide long-term economic and societal benefits to North Carolina through support of biotechnology research, business, education and strategic policy statewide.

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Goals

- Create wealth and opportunity by working with partners to capitalize on inventions developed at public and private universities in the state.
- Anticipate new biotechnology research, business and economic development opportunities for North Carolina.
- Expand Center funding to support programs and activities that yield greater economic development impact.
- Maintain and extend partnerships, leveraging and extending the resources of the Center.
- Deploy proactive communication, marketing and public relations strategies for the benefit of North Carolina.

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Operational Approach

A Statewide Charge...

To Think, Plan and Act Comprehensively

In Partnership with Many Organizations

To Leverage Resources

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Strategic Direction Fundamental Goal

Job Creation

- First, to create new companies from university research;
- Second, to grow the companies that call North Carolina home; and
- Third, to recruit companies from around the globe to expand community.

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Strategic Direction Innovation and Emerging Applications

- Support Research
- Encourage Entrepreneurial Activity
- Multiply Partnerships
- Grow Technologies Statewide
- Address Societal / Ethical Issues

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Strategic Direction Capital Formation

- Loans / Grants
- Encourage Venture / Angel Networks
- Attract New Financing

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Strategic Direction Education and Workforce Development

- Teacher Training
- Student Encouragement
- North Carolina BioImpact Worker Training
- Community College / Universities

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Strategic Direction Statewide Economic Development

- Biotech Regional Activity
- Department of Commerce / Regional Partnerships / Local Developers Partnerships
- Recruiting
- Company Formation

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Strategic Direction National / International Competitiveness

- National Visibility
- International Visibility
- Retention / Recruitment

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Strategic Direction Develop New Sectors

- Ag Biotech
- Marine Biotech
- Advanced Medical Devices
- New Drug Discovery
- Nano Biotech
- Natural Biotech

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Results Annual Economic Impact

- Direct biotechnology sector revenues - \$41.2 billion
- Total economic impact of the biotechnology sector - \$64.6 billion
- Employee compensation - \$12.7 billion
- State and local tax revenues - \$1.92 billion

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Results Jobs

- 57,000 at biotechnology companies (6.3% increase over 2006)
- Average salary of \$74,829 - more than \$35,000 above the state's private sector average
- 226,823 total jobs created because of the industry's presence

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Results Sector Growth

From 2001 to 2008, the net job growth was 29 percent in North Carolina:

- Nearly twice the national bioscience growth;
- Five times the state's private sector growth; and
- Leading growth among the top states for biotechnology.

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Results Industry Composition

North Carolina's biotechnology industry is diverse. It's not reliant on just pharmaceutical companies, and it has what Battelle terms specialization in three major areas:

- Agricultural feedstock and chemicals;
- Drugs and pharmaceuticals;
- Research, testing and medical labs;
- And it has a rapidly growing medical device and equipment sector.

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Thank you for your great support

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Battelle Report Highlights

The following numbers are drawn from 2010 *Evidence and Opportunity: Biotechnology Impacts in North Carolina*, prepared in August 2010 by the Battelle Memorial Institute's Technology Partnership Practice. The analysis is based on 2008 economic and employment data, the most recent available.

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**North Carolina
Biotechnology Center**

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