Life Science in North Carolina
March 16, 2017

The Trade Association for North Carolina’s Life Science Community

Mission Statement
- Pharmaceutical
- Biotechnology
- Biologics
- Medical Devices
- Diagnostic
- Academic
- Digital Health
- Clinical Research
- Agricultural
- Industrial

Baxter
Develops, manufactures and markets products that save and sustain the lives of people. You'll find Baxter's products and therapies on nearly every floor, in every department, in almost every hospital worldwide.

McDowell County
2900+ NC Employees

Mcdowell County
Durham
Raleigh
Research Triangle Park
Zebulon

COMMITTED TO NC SINCE 1999 WITH IT'S WILSON MANUFACTURING FACILITY
EXPANDED IT'S PRODUCTION HUB IN NC WITH NEW DURHAM FACILITY
FOCUSED ON MANUFACTURING, DEVELOPMENT, SUPPLY CHAIN AND IT ACTIVITIES

Purdue
Patheon is a leading global pharmaceutical services provider for development and manufacturing. In other words, we develop, manufacture and package medicines for pharma and biopharma companies.

Patheon's Greenville, NC facility
Durham, Guilford and Pitt Counties

NC Employees: 323

Patheon's Wilson facility
Durham, NC since 1999 with it's Wilson manufacturing facility
Expanded it's production hub in NC with new Durham facility
Focused on manufacturing, development, supply chain and it activities

Patheon is a global company with 27 locations and approximately 6,000 employees in North America, Puerto Rico, Europe and Australia.
Headquarters in Durham, NC since 2008
More than 1,000 employees in North Carolina
Developing novel therapeutics for patients with rare and serious diseases.

Celebrating the approval of 
Feb. 10, 2015

NC employees: 40

Biogen discovers, develops and delivers innovative therapies for people living with serious neurological and neurodegenerative diseases.

Wake & Durham counties
NC employees: 1,300

Biologics Discovery, Manufacturing & Supply Chain
NC employees: 600

NC employees: Wake County
~600

NC employees: Forsyth County
600

GRIFOLS

Corporate and manufacturing facilities
- Clayton
- Research Triangle Park

Developing life-saving plasma medicines

A medical device company
Solving complex problems in simple ways
5 North Carolina Sites

- Burlington - 81
- Creedmoor - 104
- Durham - 65
- Four Oaks - 4
- RTP - 205

459 Permanent Associates

RFPi

- RFPi's technology visualizes and quantifies blood flow in vessels and perfusion in organs and tissue.
- RFPi is commercializing first applications for use in the surgical suite.
- The visualization is completely non-contact and does not interrupt surgery.
- The technology was developed by the founders at East Carolina University. RFPi has licensed the technology from ECU.

Baebies

- Baebies is advancing pediatric care worldwide by developing, manufacturing, and selling innovative, easy-to-use and connected diagnostic products beginning with the FDA-cleared SEEKER
- The company will dramatically improve the lives of the 400,000 babies born each year with an undiagnosed but treatable congenital disorder.

Metabolon

- Metabolon is the world's leading health technology company focused on the use of metabolomics in precision medicine and life sciences research.
- This powerful tool for assessing health is based on proprietary platforms and informatics that deliver biomarker discoveries, innovative diagnostic tests, and ground-breaking partnerships in genomics-based health initiatives.

PPD

- NC Employees: ~3,500
- Locations:
  - New Hanover County
  - Wake County

NATURALLY!

Scientists from eight universities, corporate partners, and entrepreneurs drive food and nutrition innovation with NATURE as the main ingredient.

www.NCResearchCampus.net
NC EMPLOYEES
3100
Fortune 500 company, co-headquartered in Durham, NC and Danbury, CT.
Formed by the merger of Quintiles, the world’s largest Clinical Research Organization, and IMS Health, a leading health information and technology company.
2,600 employees in the Triangle, 500 more across NC; part of a global workforce of 50,000, conducting operations in 100 countries.

BAYER’S RESEARCH TRIANGLE PARK LOCATION SERVICE AS THE NORTH AMERICAN HEADQUARTERS FOR THE CROP SCIENCE DIVISION AS WELL AS THE GLOBAL HEADQUARTERS FOR THE SEEDS BUSINESS. RECENTLY UNDERGOING A $200 MILLION GROWTH SPURT, THE RTP SITE IS A GROWING HUB FOR RESEARCH AND DEVELOPMENT EFFORTS THAT WILL DRIVE INNOVATION IN AGRICULTURE AND HELP FEED A GROWING GLOBAL POPULATION.

NC EMPLOYEES
1000
RTP, Morrisville, Clayton, Pikeville locations

SYNGENTA IS A LEADING AGRICULTURE COMPANY HELPING TO IMPROVE GLOBAL FOOD SECURITY BY ENABLING MILLIONS OF FARMERS TO MAKE BETTER USE OF AVAILABLE RESOURCES.
SYNGENTA RTP IS THE GLOBAL HEADQUARTERS FOR SYNGENTA SEED TRAITS RESEARCH AND DEVELOPMENT.
WE ARE COMMITTED TO RESCUING LAND FROM DEGRADATION, ORGANIZING BIODIVERSITY AND UTILIZING RURAL COMMUNITIES.

GUILFORD & DURHAM COUNTIES
NC EMPLOYEES: >1,000

AgBiome is an innovative Ag Biotechnology company that discovers and develops products from the crop microbiome to increase ag productivity, reduce risks, protect crops and improve crop yields.

DURHAM COUNTY
75 EMPLOYEES

WORLD LEADING INDUSTRIAL BIOTECHNOLOGY COMPANY THAT RESEARCHES, DEVELOPS AND MANUFACTURES ENZYMES AND MICROBES FOR MORE THAN 40 DIFFERENT INDUSTRIES.

FRANKLINTON AND RTP

Life Science in North Carolina
2017 and beyond
Doug Edgerton, MBA, MPH
President and CEO
ncbiotech.org
The Results

650+ companies
63,000 jobs
$86 BILLION industry
2,000+ support companies
$2.2B state/local revenues

NCBiotech Strategy:
Technology-Based Economic Development

Filling Gaps in the Product Pipeline

Technology and Company Development

Loans totaled $3,674,975
Grants totaled $3,803,662

NCBiotech Awarded $7.5 Million in 2016

Life Science Ecosystem

Exchange Groups
150 meetings

Business Support Activities
68 coaching sessions
53 investor introductions

Library
152 companies served

Hammer Conference Center
1,500 meetings
35,755 guests

Jobs Services
1,230 posted jobs
Life Science Expertise

Partner with
• Universities
• Companies
• State and Local Governments
• Support Organizations

North Carolina Life Sciences: Industry Footprint

Looking to the future

LIFE SCIENCE POTENTIAL
FOR NORTH CAROLINA IN 2025

$100B
950+
100,000

total economic activity
companies
employees

Thank You for Your Partnership

Credit: Mark Turner, Wikimedia Commons

Appropriations

- Fully Fund NCBC
- Fully Fund SBIR/STTR Matching Grant Program
  - Current Appropriation: $3.5M
  - Target Appropriation: $5.0M

NCBIO 2017 Legislative Agenda
March 16, 2017

The Trade Association for North Carolina’s Life Science Community
NCBIO member survey indicates that 1500 new biomanufacturing workers will be needed in the next 2-3 years.

- **Fully Fund NCBioImpact Consortium**
  - $1.5M for BTEC for staff and materials for training of additional undergraduates
  - $2.0M (NR) for BTEC’s participation in new national biomanufacturing innovation program
  - $3.5M for equipment replacement and upgrades at BRITE

**Potential Sources of Relief**
- Sales tax on R&D equipment & supplies
- Employee income tax withholding

**Potential Mechanisms for Relief**
- Sales Tax Exclusion
- Employee withholding grant (R-JDIG)

**Potential Limitations**
- Sales Tax Refund
- Qualified Business Venture

**Waste Water Treatment**
- Identify strategies for funding wastewater treatment capacity
- HB158/SB118 (Infrastructure)

**Clinical Research Associates**
- Identify strategies to increase the clinical research associate labor pool

**Legislative Reception**
- Wednesday, April 5, 2017
- 5:30 – 7:30 p.m.
- North Carolina Museum of History
- 5 E. Edenton Street
- Raleigh, NC

- Thomas Hardaway, Regional Director
- John B. McMillan, North Carolina Counsel