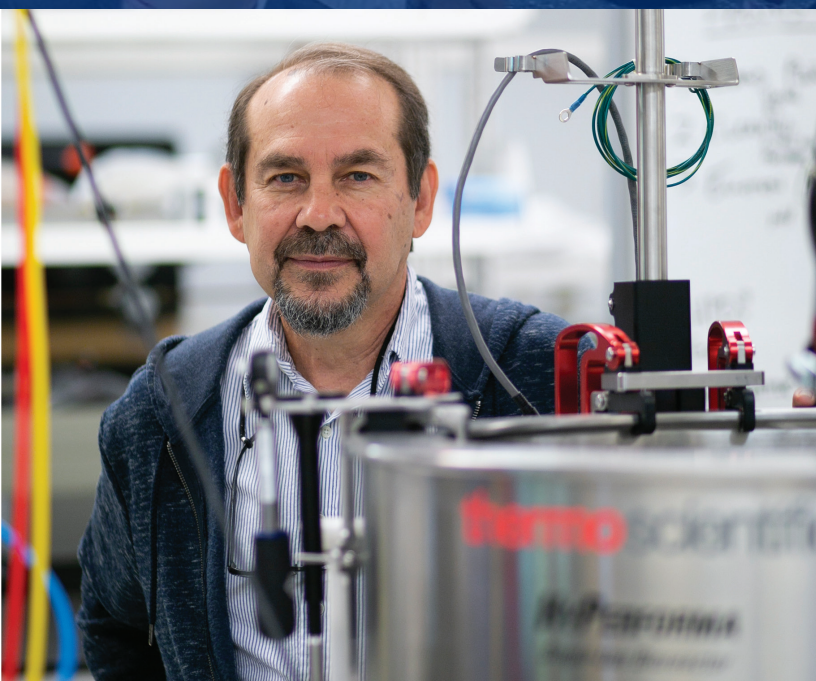


NCBIOTECH  
Company  
Directory

2020







## NC's 35-Year Transformation

When civic and business leaders decided in 1984 that North Carolina should take a leadership role in staking an economic future in the life sciences, they started by establishing the North Carolina Biotechnology Center.

At the time, there were 32 companies statewide that could be considered part of that sector, employing 3,000 people. Now, after 35 years of continued state investment in the Center, the print version of this 2020 NCBiotech Company Directory lists 735 life science companies across the state. And today they employ 66,000 people in a wide range of excellent jobs that pay, on average, twice the average private-sector wage.

Then there are 2,400 more support companies, listed in the [online version of this directory](#). In all, the sector directly or indirectly impacts some 240,000 people statewide. It all adds up to \$83.3 billion in annual economic activity for North Carolina, and an influx of \$2.2 billion in state and local tax income.

Of the 735 companies in this directory, 160 of them are based on technologies developed at North Carolina universities. One of the most successful, started as Quintiles (now IQVIA) in a tiny mobile office on the campus of the University of North Carolina at Chapel Hill, has given birth to the multi-billion-dollar Contract Research and Testing industry. North Carolina remains the epicenter of the field, now home to more than 150 such companies employing 24,250 workers.

NCBiotech has been the constant catalyst through all this growth, deploying billions of dollars in research funding to universities across the state, and, through the years, \$44 million in loans to 211 entrepreneurial companies. Those loans have leveraged \$4.6 billion in additional funding to these companies. That's a \$104 return to the companies on every dollar loaned.

NCBiotech now serves the state from five regional offices and the Research Triangle Park headquarters. It started three and a half decades ago with a bold vision for an economically challenged state. Keep tabs on this directory. It'll be interesting to watch how it grows and changes over the next 35 years.





# This directory, the only one of its kind, is a snapshot of NC's 735+ life science companies.

**13C Molecular Inc. (Fayetteville)** provides stable-isotope labeled and native compounds to the pharmaceutical and biomedical industries via custom organic synthesis and sourcing through a consortium of manufacturers.

[13cmolecular.com](http://13cmolecular.com)

**21MedTech (Holly Springs)** develops and offers advanced, proprietary, bioresorbable resins for controlled-release drug delivery, regenerative devices and 3D manufacturing.

[21medtech.com](http://21medtech.com)

**3i-Nano (Greensboro)** develops point-of-care devices for disease diagnostics and protein detection.

[3i-nano.business.site](http://3i-nano.business.site)

**410 Medical Inc. (Durham)** is developing technology for rapid infusion of fluids for hospital, transport and military healthcare providers, enabling clinicians to quickly and effectively resuscitate critically ill patients.

[410medical.com](http://410medical.com)

**908 Devices Inc. (Carrboro)** develops and makes chemical analysis products such as handheld chemical detection tools, compact analyzers and separation devices.

[908devices.com](http://908devices.com)

**A&C, Your Global GMP Partner (Raleigh)** is a global GMP manufacturer of excipients, buffers, process solutions and a select number of APIs. Services include GMP custom ingredient development, R&D, GMP manufacturing and GMP custom packaging.

[acggp.com](http://acggp.com)

**A1 BioChem Labs LLC (Wilmington)** offers chemistry services to universities, pharma, agrochemical and biotech industries. Services include custom synthesis of APIs and novel compounds, catalog compound services, route screening, lead optimization and chemical sourcing.

[a1biochemlabs.com](http://a1biochemlabs.com)

**AC Thera LLC (Wake Forest)** is developing drugs to neutralize bacterial toxins to treat diseases with high mortality.

**Accord Healthcare Inc. (Durham)** is the marketing subsidiary of Intas Pharmaceuticals, an India-based company that focuses on manufacturing generic pharmaceuticals and biosimilars for the global market.

[accordhealthcare.us](http://accordhealthcare.us)

**AccuBeing LLC (Raleigh)** creates three-dimensional cancer organoids from patients' cancer cells, which are used to test novel drug therapies, transcriptomic and epigenetic analyses. Results are used to match the patient with personalized clinical trials.

[accubeing.com](http://accubeing.com)

**AccuGenomics Inc. (Wilmington)** manufactures custom gene expression tests to diagnose and monitor cancer treatment. Its technologies include standard nucleic acid quantification for RNA and DNA sequencing for any NGS platform analysis.

[accugenomics.com](http://accugenomics.com)

**Achelios Therapeutics Inc. (Durham)** develops novel topical therapeutics to treat inflammatory pain, including migraine and temporomandibular joint disorder pain. 💰

[achelios.com](http://achelios.com)

**Adámas Nanotechnologies Inc. (Raleigh)** develops and produces fluorescent nanodiamond particles for life science, medical and industrial applications, including life science research, drug delivery, bioimaging, anti-counterfeiting, oil additives and cosmetics.

[adamasnano.com](http://adamasnano.com)

**Adhera Therapeutics Inc. (Durham)** is developing and commercializing fixed-dose combination hypertensive drugs and late-stage, non-addictive pain therapeutics.

[adherathera.com](http://adherathera.com)

**Adhezion Biomedical LLC (Hudson)** develops and produces cyanoacrylate-based medical adhesive, wound care and microbial barrier products for connective tissue (human skin).

[adhezion.com](http://adhezion.com)

**Adrenas Therapeutics Inc. (Raleigh)** is developing a gene therapy to treat a monogenic disease that presents in childhood.

**Adroit Pharmaceutical Development LLC (Durham)** identifies new and improved formulations and process technologies. Its primary focus is on inhalation and dermatological product development.

[adroitpharmdev.com](http://adroitpharmdev.com)

**Advanced Animal Diagnostics Inc. (Morrisville)** develops and commercializes diagnostics to detect and manage disease states, reproductive, nutritional and overall health status of production animals. 💰

[qscoutlab.com](http://qscoutlab.com)

**Advanced Chemotherapy Technologies Inc. (Raleigh)**, a UNC startup, has developed a novel device for infusing chemotherapies directly into poorly vascularized pancreatic tumors. 💰

[advancedchemotech.com](http://advancedchemotech.com)

**Advanced Laboratories Inc. (Clayton)** provides chemical and microbiological analysis of dietary supplements and food products.

[advancedlabsinc.com](http://advancedlabsinc.com)

**Aegis Surgical Ltd. (Durham)** is developing a less-invasive access system that facilitates percutaneous transaortic transcatheter aortic valve replacement (pTAo-TAVR).

[aegistavr.com](http://aegistavr.com)

**AegisCN LLC (Durham)** develops technologies and treatments targeting neurological diseases and inflammation.

**Aerami Therapeutics (Durham)** develops soft mist inhaled formulations of biologics and inhalation devices to treat severe and chronic diseases. Its first product is for the treatment of diabetes.

[aerami.com](http://aerami.com)

**Aerie Pharmaceuticals Inc. (Durham)** discovers, develops and commercializes first-in-class therapies to treat patients with glaucoma.

[aeriepharma.com](http://aeriepharma.com)

**Aestas Pharma Inc.** (*Lewisville*) develops novel diagnostic imaging and disease-modifying therapeutic agents to enable the early treatment and reversal of Alzheimer's and Parkinson's disease when clinical signs are not yet pronounced. 💰

[aestaspharma.com](http://aestaspharma.com)

**Affinergy LLC** (*Morrisville*) develops peptide-based technologies, including diagnostic products, research tools and therapeutic drug monitoring products for use by clinicians and researchers. 💰

[affinergy.com](http://affinergy.com)

**AgBiome Inc.** (*Research Triangle Park*) uses its proprietary Genesis platform to collect, isolate and analyze microbes for use in the discovery and development of biologicals and traits for protecting crops, and is researching probiotic products to address swine gut health challenges.

[agbiome.com](http://agbiome.com)

**Agile Sciences Inc.** (*Raleigh*) is developing a technology to treat antibiotic-resistant, life-threatening infections. 💰

[agilesci.com](http://agilesci.com)

**Agrimetis** (*Research Triangle Park*) discovers and develops products for crop protection. Its RTP location is business development.

[agrimetis.com](http://agrimetis.com)

**AI Tracking Solutions LLC** (*Carrboro*) develops a single-particle tracking software that tracks entities including nanoparticles, viruses, bacteria and cells within fluids and biological samples and generates individual traces and statistical analysis of the traces.

[aitracker.net](http://aitracker.net)

**AimMax Therapeutics Inc.** (*Durham*) researches and develops biopharmaceuticals to treat infection, inflammation and pain through in-licensing or co-development with strategic partners.

[aimmaxrx.com](http://aimmaxrx.com)

**Ajinomoto North America** (*Raleigh*) manufactures pharmaceutical-grade amino acids and custom-blended amino acid mixtures.

[ajiaminoscience.com](http://ajiaminoscience.com)

**Akros Medical Inc.** (*Durham*) develops orthopedic medical devices. 💰

[akrosmedical.com](http://akrosmedical.com)

**Alcami Corporation** (*Durham and Wilmington*) provides contract drug and biologics development and manufacturing services, including formulation development, analytical chemistry, API, solid dose and parenteral drug manufacturing for clinical and commercial markets. Alcami's HQ is in Durham.

[alcaminow.com](http://alcaminow.com)

**Alderon BioSciences Inc.** (*Beaufort*) develops point-of-care diagnostics. 💰

**Alera Labs LLC** (*Durham*) provides contract research analytical chemistry, in vitro toxicology, GLP analysis and preformulation services to pharmaceutical, biotech and medical device companies.

[aleralabs.com](http://aleralabs.com)

**ALG Therapeutics LLC** (*Chapel Hill*) develops pharmaceutical products for pain disorders.

**Algaen Corp.** (*Winston-Salem*) uses microalgae to develop, produce and market products and technologies for the nutraceutical, pharmaceutical and bio-energy industries.

[algaen.com](http://algaen.com)

**Alievio Inc.** (*Research Triangle Park*) is developing an ocular implant to treat late stage glaucoma. 💰

[alievio.com](http://alievio.com)

**Allergy Partners Extract Laboratory** (*Asheville*) produces extracts that are used to treat allergic disease, asthma and immunology.

[allergypartners.com](http://allergypartners.com)

**Almac Clinical Services LLC** (*Durham*) provides clinical trial material manufacturing, packaging and distribution services.  
[almacgroup.com/development-manufacturing/clinical-services/](http://almacgroup.com/development-manufacturing/clinical-services/)

**Almac Diagnostics LLC** (*Durham*) offers services for biomarker discovery, assay development/validation/testing and companion diagnostic co-development. Testing platforms include NGS, Microarray, qPCR and IHC. Regulatory and bioinformatics services are also available.

[almacgroup.com/diagnostics](http://almacgroup.com/diagnostics)

**ALP Life Sciences Inc.** (*Black Mountain*) has formulated and markets a High-3 fish oil supplement to increase omega-3 absorption and bioavailability to treat fatty liver disease and inflammatory diseases.

[alplifesciences.com](http://alplifesciences.com)

**Alpha Nano Tech LLC** (*Research Triangle Park*) provides nanoparticle and exosome characterization services.

[alphanano.tech](http://alphanano.tech)

**AlphaVax Inc.** (*Research Triangle Park*) develops vaccine technology with applications in infectious disease, cancer and biodefense threats. 💰

[alphavax.com](http://alphavax.com)

**Altavant Sciences Inc.** (*Cary*) is developing therapies for rare respiratory diseases. Altavant's initial therapeutic focus is in pulmonary arterial hypertension.

[altavant.com](http://altavant.com)

**Alterna Therapeutics Inc.** (*Durham*) is developing first-in-class small molecules targeting the SHIP enzyme. Alterna is exploring its lead compounds in the areas of obesity, diabetes, bone marrow transplant and post-myeloblastic therapy, cancer and Alzheimer's disease.

[alternatherapeutics.com](http://alternatherapeutics.com)

**Altis BioSystems Inc.** (*Chapel Hill*) has developed a stem cell technology that recreates the human intestinal epithelium in a 2D or 3D layer of intestinal stem and differentiated cells, which can be used for compound screening, microbiome research and disease modeling.

[altisbiosystems.com](http://altisbiosystems.com)

**American Distillation Inc.** (*Leland*) manufactures industrial-grade ethyl alcohol and offers contract manufacturing services such as distillation, dehydration, reaction, carbon treating and blending.

[americandistillation.net](http://americandistillation.net)

**AMO Pharma Ltd.** (*Durham*) is developing new treatments for serious and debilitating diseases including rare genetic disorders.

[amo-pharma.com](http://amo-pharma.com)



# NCBiotech Funding Programs: Life Science Lifelines



Learn how our funding programs help boost North Carolina's life science sector at [ncbiotech.org/funding](https://ncbiotech.org/funding)

## North Carolina Biotechnology Center

15 T.W. Alexander Drive | Post Office Box 13547 | Research Triangle Park, NC 27709-3547  
919-541-9366

Photo: shutterstock.com

**Amyris Inc. (Leland)** converts plant sugars into hydrocarbon molecules and produces specialty ingredients and consumer products. This site uses renewable biofarnesene to manufacture products such as biofuels, lubricants, cosmetics and other specialty chemicals.

[amyris.com](https://amyris.com)

**Andersen Products Inc. (Haw River)** sells and services the Anprolene and EOGas lines of 100% ethylene oxide gas sterilizers. They also provide contract packaging and sterilization services for device manufacturers.

[anpro.com](https://anpro.com)

💰 Received NCBiotech investment

**Andersen Scientific Inc. (Morrisville)** provides contract ethylene oxide sterilization and validation services for packaging and devices. Andersen's sterilization cycles include microbiological and other testing.

[ansci.us](https://ansci.us)

**AnelleO (Chapel Hill)** is developing a 3D printed intravaginal ring that can be used as a platform for treating a wide range of women's health conditions.

**Aniluxx Biotechnology Inc. (Raleigh)** translates human therapies to dogs, cats and horses to treat itching and pain.  
[aniluxx.com](https://aniluxx.com)

**Antech Diagnostics Inc. (Morrisville)** provides clinical and veterinary hematology analysis, clinical chemistry, urinalysis and coagulation testing.  
[antechglp.com](https://antechglp.com)

**Apeirolux Pharmaceutical Inc. (Fuquay Varina)** is developing a tumor-cell selective topical skin cream to treat skin cancer.

**Appealing Products Inc. (Raleigh)** develops products for forensics and personal protection from toxic materials such as inorganics, gases and poisons in foods, animal feeds and liquids.  
[appealingproducts.com](https://appealingproducts.com)

**Applied LifeSciences & Systems Poultry Inc. (Raleigh)** develops automated bio-system solutions for detecting, targeting and delivering vaccines to poultry. ALS-S technology aims to reduce the need for antibiotics by improving vaccination delivery.  
[als-s.com](https://als-s.com)

**Arbiom Inc. (Durham)** develops technologies that convert residues from agriculture and forestry into a high-protein ingredient for aquaculture and animal feed. The Durham office is Arbiom's application center.  
[arbiom.com](https://arbiom.com)

**Arcato Laboratories Inc. (Greenville)** develops specialty oral healthcare products including treatment for pain and discomfort from orthodontic appliances and post-surgical tooth extraction.  
[arcatolabs.com](https://arcatolabs.com)

**Archer Daniels Midland Co. (Southport)** makes citric acid and salts of citric acid used in soft drinks, food products and detergents. They also make yeast mannan as an animal feed ingredient.  
[adm.com](https://adm.com)

**Ardeal Pharma Inc. (Brevard)** is a virtual pharma company developing patented stabilized sulforaphane for the dermal pharmaceutical and cosmetic markets. 💰



**Ardeal Research Institute (Brevard)** is a non-profit organization that develops drug discovery capabilities of the natural resources in Western North Carolina. The Institute has collaboration agreements with Brevard College and the N.C. Arboretum.

**ARK Research LLC (Mebane)** provides contract research services supporting crop protection products. Services include GLP-compliant regulated biotechnology trials, efficacy testing and residues testing.

**Array BioPharma Inc. (Morrisville)** discovers, develops and commercializes targeted, small-molecule drugs to treat cancer.

[arraybiopharma.com](http://arraybiopharma.com)

**ArrayXpress Inc. (Raleigh)** applies bioinformatics to optimize bioprocesses, increasing diagnostic efficiency, and provide contract research services, focusing on next generation genomics. 💰

[arrayxpress.com](http://arrayxpress.com)

**Arrevus Inc. (Raleigh)** is developing novel therapeutics for unmet medical needs in areas with high treatment failure rates, including infectious disease, brain cancer and breast cancer. 💰

[arrevus.com](http://arrevus.com)

**Arrivo BioVentures LLC (Morrisville)** accelerates biologics and small molecules from IND/phase one through proof-of-concept, with biologics in development for dermatologic conditions and hearing loss.

[arrivobio.com](http://arrivobio.com)

**ARSPiChem LLC (Research Triangle Park)** offers chemical product services to pharma and biotech companies, universities and research organizations to support drug discovery. Products and services include organic molecules, custom synthesis and pharmaceutical screening libraries.

[arspichem.com](http://arspichem.com)

**Artizan Biosciences Inc. (Durham)** is developing a platform for identifying and targeting pathogenic intestinal bacteria, with a focus on inflammatory bowel disease and potential applications in autoimmune diseases, obesity, skin, lung and central nervous system diseases.

**Aruna Bio (Raleigh)** develops neural exosomes to treat neurodegenerative diseases.

[arunabio.com](http://arunabio.com)

**Ascent Bio-Nano Technologies Inc. (Research Triangle Park)** develops cell and particle separation research tools and medical devices.

[ascentbionano.com](http://ascentbionano.com)

**Asinex (Winston-Salem)** designs small-molecule libraries and provides lead optimization, custom synthesis and other chemistry services. The Winston-Salem location is the company's U.S. headquarters.

[asinex.com](http://asinex.com)

**AskBio (Research Triangle Park)** uses adeno-associated virus (AAV) technology to develop and manufacture gene therapies for rare diseases and other genetic disorders. 💰

[askbio.com](http://askbio.com)

**Astral Genetics Inc. (Winston-Salem)** offers a range of fee-for-service products relating to the generation and characterization of mouse and human induced pluripotent stem cells.

[astralgen.com](http://astralgen.com)

**Asymchem Inc. (Morrisville)** offers CMC and CDMO services, focused on developing processes for late-phase to commercial APIs and HPAPIs, and small-molecule manufacturing and development. Asymchem is USFDA- and TGA-inspected.

[asymchem.com](http://asymchem.com)

**ATEX Technologies Inc. (Pinebluff)** manufactures custom engineered implantable textile components for medical devices. Components are manufactured using weaving, knitting, braiding and non-woven technologies. Raw materials include polyester, bio-absorbable polymers and metals.

[atextechnologies.com](http://atextechnologies.com)

**Atlantic Medical Inc. (Wrightsville Beach)** develops nutraceutical products and devices to address ocular diseases.

**Atlas Regeneration Inc. (Winston-Salem)** develops bioinformatics platforms for drug discovery related to regenerative medicine and stem cell research. Atlas Regeneration also screens drugs in silico for drug repositioning.

[atlasregeneration.com](http://atlasregeneration.com)

**Atox Bio Inc. (Chapel Hill)** develops novel immunomodulators to treat critically ill patients. Therapeutic indications include necrotizing soft tissue infection and sepsis-associated acute kidney injury.

[atoxbio.com](http://atoxbio.com)

**Atrium Health Division of Therapeutic Research and Development (Charlotte)** conducts clinical studies, patient-focused translational research and outcomes research.

[atriumhealth.org/research-clinical-trials](http://atriumhealth.org/research-clinical-trials)

**Attagene Inc. (Morrisville)** has developed a pathway profiling technology to evaluate the impact of pharmaceuticals and environmental chemicals on over 100 transcription factors and 48 nuclear receptors.

[attagene.com](http://attagene.com)

**Atticus LLC (Cary)** manufactures branded generic fungicides, herbicides and insecticides for the U.S. row crop, specialty agriculture and professional markets.

[atticusllc.com](http://atticusllc.com)

**Auration Biotech Inc. (Chapel Hill)** is developing novel therapeutics for ear, nose and throat diseases.

[aurationbiotech.com](http://aurationbiotech.com)

**Aurobindo Pharma USA Inc. (Durham)** is a generic drug manufacturer. Aurobindo develops inhalation and dermatological products from the company's U.S. research and development headquarters in North Carolina.

[aurobindousa.com](http://aurobindousa.com)

**Avazyme Inc. (Durham)** provides field and GLP laboratory testing for sectors including ag chem, ag biotech, food and beverage producers and retailers, and brewers. Capabilities include mass spectrometry, immunochemistry, microbiology and molecular biology.

[avazyme.com](http://avazyme.com)



**Avertica Inc.** (*Research Triangle Park*) develops compounds and polymers for electronic device applications, including the development of biomimetic and bio-based electronic materials.

[averticainc.com](http://averticainc.com)

**AveXis Inc.** (*Durham*) develops and commercializes gene therapy products for neurological genetic diseases. The Durham site is AveXis' manufacturing operations.

[avexis.com](http://avexis.com)

**Avila Inc.** (*Durham*) is developing rapid hair removal pad technology for use prior to the placement of defibrillator pads on victims of sudden cardiac arrest. 💰

[fullpoweraed.com](http://fullpoweraed.com)

**Avioq Inc.** (*Research Triangle Park*) develops and manufactures FDA-approved and CE-marked immunodiagnostic assays. Products include HIV and HTLV assays, recombinant proteins and synthetic peptides and labware supplies. Avioq also offers contract IVD development and manufacturing.

[avioq.com](http://avioq.com)

**Avior Inc.** (*Holly Springs*) is developing a nanoparticle-based drug delivery technology to deliver lipophilic drugs with high bioavailability. It is testing its technology using a molecule to treat pruritus in chronic kidney disease. 💰

[aviorbio.com](http://aviorbio.com)

**Avoca LLC** (*Merry Hill*) develops and manufactures botanical extraction products, provides extraction services and contracts with farmers to grow clary sage.

**Avolynt Inc.** (*Research Triangle Park*) is developing therapeutics for rare and metabolic disease. Avolynt's lead programs target Type 2 diabetes, NASH and post bariatric hypoglycemia.

[avolynt.com](http://avolynt.com)

**Aweve LLC** (*Raleigh*) designs and manufactures cosmeceuticals that utilize nanoparticles for the delivery of retinol, ascorbic acid and kojic acid to address wrinkles, lines, age spots and elasticity in skin.

[douglaswadams.com/aweve-llc.html](http://douglaswadams.com/aweve-llc.html)

**Axovant Sciences Inc.** (*Durham*) develops gene therapies to treat neurologic conditions.

[axovant.com](http://axovant.com)

**Azzur Group** (*Cary*) provides project management, process engineering, compliance services and analytical GXP-compliant testing and reporting services to the biopharma and medical device industries.

[azzur.com](http://azzur.com)

**Baebies Inc.** (*Durham*) develops and commercializes products and services based on digital microfluidics and other technology that ensure early disease detection and comprehensive diagnosis for children. 💰

[baebies.com](http://baebies.com)

**Balanced pHarma Inc.** (*Cornelius*) is developing a pH-balanced dental anesthetic drug.

[balancedpharma.com](http://balancedpharma.com)

**Ballek Biologics LLC** (*Raleigh*) is developing a therapeutic to reverse opioid overdose.

[ballekbiologics.com](http://ballekbiologics.com)

**Banner Life Sciences LLC** (*High Point*) develops formulation technologies (gelcaps, tablets and sterile injectables) and licenses and markets prescription, over-the-counter and nutritional products.

[bannerls.com](http://bannerls.com)

**BASF Agricultural Solutions** (*Research Triangle Park*) conducts seeds, traits and plant biotechnology research with a focus on yield and quality traits in major crops. Its RTP campus also houses a bee care center.

[agriculture.basf.com](http://agriculture.basf.com)

**Bavarian Nordic Inc.** (*Morrisville*) develops, manufactures and commercializes cancer immunotherapies and vaccines for infectious diseases.

[bavarian-nordic.com](http://bavarian-nordic.com)

**Baxter Healthcare Corp.** (*Marion*) produces intravenous and peritoneal dialysis solutions, as well as empty containers and component parts for other Baxter facilities.

[baxter.com](http://baxter.com)

**Bayer Environmental Science** (*Clayton*), a unit of Bayer CropScience, develops and markets pest-, weed- and disease-control products for non-crop situations. This facility supports development, testing and training for its consumer and professional products.

[environmentalscience.bayer.com](http://environmentalscience.bayer.com)

**BD Diagnostics** (*Durham and Mebane*) develops and commercializes molecular diagnostic products for various cancers, including cervical, breast, ovarian and prostate.

[bd.com](http://bd.com)

**BD Technologies and Innovation** (*Research Triangle Park*) develops technologies for parenteral drug delivery, advanced diagnostics, smart medical devices and genomic research and supports external innovation. The RTP site is BD's corporate technology R&D and innovation center.

[bd.com/en-us/company/bd-technologies-and-innovation](http://bd.com/en-us/company/bd-technologies-and-innovation)

**Bedrock Therapeutics Inc.** (*Chapel Hill*) is developing treatments for hemophilia and ocular disorders, as well as AAV platform technologies for gene therapy.

[bedrocktherapeutics.com](http://bedrocktherapeutics.com)

**BENANOVA Inc.** (*Raleigh*) develops antimicrobial nanotechnology products for the disinfectant, cosmetic and agricultural industries.

[benanova.com](http://benanova.com)

**Bent Creek Institute Inc.** (*Asheville*) is a 501(c)3 non-profit botanical research and economic development organization serving primarily North Carolina-based natural products companies seeking to innovate botanical wellness solutions.

**BestCo Inc.** (*Mooresville*) manufactures over-the-counter drugs and dietary supplements and offers contract product manufacturing and packaging.

[bestco.com](http://bestco.com)

**BindusChem LLC** (*Research Triangle Park*) offers contract drug discovery and process chemistry projects for clients, synthesis of small molecules for SAR study, focused arrays and scaffolds, as well as chemical development, route scouting, process optimization and validation.

[binduschem.com](http://binduschem.com)



**Bio Products Laboratory USA Inc.** (*Durham*) manufactures and distributes plasma-derived products, including intravenous immunoglobulin preparations, coagulation factors and albumin solution.  
[bpl-us.com](http://bpl-us.com)

**BioAesthetics Corporation** (*Research Triangle Park*) is developing a nipple areolar complex graft that allows the patients' cells to grow into the graft for use in breast reconstruction. 💰  
[bio-aesthetics.com](http://bio-aesthetics.com)

**BioAgilytix Labs Inc.** (*Durham*) is a bioanalytical lab specializing in large-molecule bioanalysis, offering PK, immunogenicity, biomarkers and cell-based assays in support of the development and release testing of biologics and small-molecule therapeutics.  
[bioagilytix.com](http://bioagilytix.com)

**BloCI Systems Inc.** (*Raleigh*) provides sterilization validation services, stability and shelf life tests and other contract laboratory testing services. BloCI also has manufacturing capacity for custom biological indicators for sterilization efficacy monitoring.  
[bioci.com](http://bioci.com)

**Biocomposites Inc.** (*Wilmington*) develops, manufactures and distributes calcium compound devices to regenerate and repair bone and soft tissue for use in musculoskeletal infections, trauma, spine and sports injuries. The Wilmington office is a sales office.  
[biocomposites.com](http://biocomposites.com)

**BioCryst Pharmaceuticals Inc.** (*Durham*) designs and develops novel, small-molecule oral drugs that block key enzymes to treat rare diseases. The Durham location houses BioCryst's clinical, regulatory and executive teams.  
[biocryst.com](http://biocryst.com)

**BioCytics Inc.** (*Huntersville*) researches and develops personalized cellular immunotherapy cancer therapies with the latest technology and equipment. BioCytics also offers contract R&D and is incubated within the Carolina BioOncology Institute.  
[biocytics.com](http://biocytics.com)

**BioDelivery Sciences International Inc.** (*Raleigh*) is a specialty pharmaceutical company with a focus in the areas of pain management and addiction. The company's lead products utilize a buccal film delivery system.  
[bdsi.com](http://bdsi.com)

**Biofluidica Inc.** (*Research Triangle Park*) is developing novel instrumentation for the isolation and analysis of circulating biomarkers, including circulating tumor cells, in cancer patients. 💰  
[biofluidica.com](http://biofluidica.com)

**Biogen** (*Research Triangle Park*) discovers, develops and manufactures therapies for serious neurological diseases. Its Drug Substance Campus in RTP is home to biologics production and a patient services contact center. Biogen also has a site in RTP that houses oral solid dose and anti-sense oligonucleotide production, packaging and fill/finish operations, as well as a Global Business Services center.  
[biogen.com](http://biogen.com)

**BioGenomics LLC** (*Knightdale*) provides pharmacogenomic testing to inform prevention, diagnosis and treatment of various diseases.  
[biogenomicsdx.com](http://biogenomicsdx.com)

**BioGreen Synergy Inc.** (*Greensboro*) manufactures, grows and provides algae-based products for use in alternative renewable energies, USDA, non-USDA and chemical markets.  
[biogreensynergy.com](http://biogreensynergy.com)

**BioIVT** (*Durham*) provides biological specimens, specializing in control and disease state human and animal tissues. This site develops and commercializes cell-based drug toxicity-testing products for pharmaceutical development, based on hepatocyte technologies.  
[bioivt.com](http://bioivt.com)

**BioKier Inc.** (*Chapel Hill*) develops proprietary adjuvant treatments for diabetes and related disorders. BioKier has identified a therapeutic opportunity based on gastric bypass surgery and is developing a novel treatment for diabetes. 💰  
[biokier.com](http://biokier.com)

**Biological Applied Research Inc.** (*Raleigh*) provides product efficacy testing of agricultural chemicals such as fungicides and nematicides on various crops, including fruit and vegetables.  
[biologicalappliedresearch.com](http://biologicalappliedresearch.com)

**BioMarck Pharmaceuticals Ltd.** (*Durham*) develops drugs to treat pulmonary diseases and disorders, such as chronic obstructive pulmonary disease, ARDS, cystic fibrosis and lung cancer. 💰  
[biomarck.com](http://biomarck.com)



[aperioclinical.com](http://aperioclinical.com) | (888) 448-2969 | [info@aperioclinical.com](mailto:info@aperioclinical.com)

*Dedicated to transparent interactions with clients, Aperio provides full, customizable clinical research services across multiple therapeutic areas as well as consulting in Quality Assurance, Strategic Resourcing, and Clinical Trial Technology. From start to close and every point in between, Aperio works with its partners to deliver outcomes that will improve patient care and save lives.*



**bioMASON Inc. (Research Triangle Park)** develops cement by using microorganisms fed an aqueous solution, which harden to ASTM specification in ambient temperatures. 💰

[biomason.com](http://biomason.com)

**BioMedomics Inc. (Durham)** develops point-of-care (POC) diagnostics, with a focus on immunologically based disease-specific tests and advanced quantitative POC platforms. 💰

[biomedomics.com](http://biomedomics.com)

**bioMérieux Inc. (Durham)** develops in vitro products to diagnose infectious diseases, cancer and cardiovascular disease and to detect microorganisms in agri-foods, pharmaceuticals and cosmetics.

[biomerieux-usa.com](http://biomerieux-usa.com)

**bioMONTR Labs (Research Triangle Park)** provides a broad range of CLIA-certified high-complexity laboratory testing, including assay/IVD protocol development, validation design, performance evaluation testing, drug trials and collaborative studies and regulatory/quality control.

[biomontr.com](http://biomontr.com)

**Bionpharma Inc. (Morrisville)** partners with pharmaceutical companies to in-license, out-license, develop, manufacture and distribute generic and over-the-counter products. Its Raleigh location is a sales office.

[bionpharma.com](http://bionpharma.com)

**Bio-Pro Research LLC (Hickory)** manufactures and distributes bio-enzymatic products for stain and odor removal.

[bio-proresearch.com](http://bio-proresearch.com)

**BioResource International Inc. (Durham)** designs, develops and manufactures unique enzymes that help poultry and swine producers optimize animal nutrition and gut health. 💰

[biworldwide.com](http://biworldwide.com)

**Biorg Inc. (Winston-Salem)** is developing and commercializing organoid technology for use in life science applications such as diagnostics, drug screenings and toxicology. 💰

[biorg.com](http://biorg.com)

**BioRxn LLC (Chapel Hill)** develops NMR-based metabolomic technology, including bioreactor and artificial liver systems, for non-invasive monitoring of metabolic biomarkers. BioRxn also provides conventional metabolomic services.

[biorxn.com](http://biorxn.com)

**BioSkryb Corp. (Durham)** has developed SkrybAmp, a new DNA amplification technology powered by Primary Template Directed Amplification.

[bioskryb.com](http://bioskryb.com)

**Biotality (Research Triangle Park)** develops biological and natural products for crop protection. Its first product is a proprietary organism that overproduces a fungicidal exudate, with applications in the seed protectant and post-harvest markets.

[agtechinventures.com/spin-offs](http://agtechinventures.com/spin-offs)

**Biotech Restorations LLC (Denver)**

formulates bioremediation products for the cleanup of petroleum and chlorinated hydrocarbons including gasoline and diesel, organochloride pesticides, PCBs and volatile organic chemicals in soil, sediment and groundwater.

[biotechrestorations.com](http://biotechrestorations.com)

**BioTek Ag LLC (Clinton)** produces plant growth regulators, nutritional products, surfactants and other specialty products to enhance soil biology and crop input effectiveness.

[biotekag.com](http://biotekag.com)

**Bio-Val LLC (Cornelius)** provides bioassay development, method validation, reagent production and characterization, feasibility and medical writing services.

[biovalconsulting.com](http://biovalconsulting.com)

**BioVendor LLC (Asheville)** develops, manufactures and sells biological reagents and research products, including enzyme-linked immunosorbent assay (ELISA) kits, antibodies, proteins and other molecules for life science research. This location is the U.S. headquarters.

[biovendor.com](http://biovendor.com)

**Bioventus LLC (Durham)** develops and markets orthobiologic solutions for musculoskeletal healing and regeneration. These include products for bone healing, bone graft and knee osteoarthritis.

[bioventusglobal.com](http://bioventusglobal.com)

**Biovet S.A. (Research Triangle Park)** develops nutritional supplements, enzymes, pronutrients, digestives, antioxidants, preservatives, mycotoxin binders and flavoring for feed for poultry, ruminants, swine and aquaculture.

[biovet-alquermes.com/index](http://biovet-alquermes.com/index)

**BioZyme Inc. (Apex)** develops and sells substrates for metalloproteinases (MMPs and ADAMs) which can be used in enzyme assays and other diagnostic tests.

[biozyme-inc.com](http://biozyme-inc.com)



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*Biostudy Solutions is a pharmacokinetics and biostatistics consulting firm with clients across the globe. Our team has helped hundreds of companies advance their generic, 505(b)(2), and new drug submissions to U.S. and foreign regulatory authorities. Depth of experience, and a vast partner network within the industry, allows BSS to provide solutions to a range of sponsor needs.*

**Blue Ridge Institute for Medical Research** (*Horse Shoe*) researches small-molecule inhibitors of protein kinases and targeted cancer therapies. BRIMR also generates an annual ranking of NIH funding for U.S. medical schools and their departments.

[brimr.org](http://brimr.org)

**Blue Sphere Corp.** (*Charlotte*) develops, owns and operates waste-to-energy facilities. Blue Sphere facilities use biological and thermal technologies to turn agricultural and livestock, municipal and industrial waste into soil amendments, fuel and electricity.

[bluespherecorporate.com](http://bluespherecorporate.com)

**bluebird bio Inc.** (*Durham*) develops gene therapies and cancer immunotherapies to treat genetic diseases and cancer. At its Durham site, bluebird produces lentiviral vectors for the company's gene and cell therapies.

[bluebirdbio.com](http://bluebirdbio.com)

**Boragen Inc.** (*Research Triangle Park*) is developing a synthetic chemistry platform that leverages the unique characteristics of boron to address life science needs in crop protection and animal health.

[boragenbio.com](http://boragenbio.com)

**Brain Neurotherapy Bio Inc.** (*Research Triangle Park*) is developing delivery technologies for viral vector-based gene therapies to treat adult and pediatric central nervous system disorders.

[brainneubio.com](http://brainneubio.com)

**BreStem Therapeutics Inc.** (*Raleigh*) is developing a stem cell therapy to treat pulmonary fibrosis.

[brestem.com](http://brestem.com)

**Bright Path Pharmaceuticals LLC** (*Kannapolis*) develops chemical reactor technology for pharmaceutical manufacturing.

[brightpathrx.com](http://brightpathrx.com)

**Brighton Development LLC** (*Cary*) develops sterilizing technologies and antimicrobial medical plastics.

**Brii Biosciences** (*Durham*) combines partnerships, research and development, and digital and data insight to improve access to medicines for patients in China.

[briibio.com](http://briibio.com)

**Brite Bio Inc.** (*Research Triangle Park*) provides contract research services, including cell culture services, cell-based assays, biomarker assay development, toxicological assays, bio-banking, drug target identification and gene expression profiling and characterization.

[britebio.com](http://britebio.com)

**Bryn Pharma LLC** (*Raleigh*) is developing a nasal solution for the administration of emergency epinephrine to treat anaphylaxis.

[brynpharma.com](http://brynpharma.com)

**Burleson Research Technologies Inc.** (*Morrisville*) provides laboratory services to the biotechnology, pharmaceutical, chemical manufacturing and health care industries with proof-of-concept, preclinical, clinical and toxicology studies.

[brt-labs.com](http://brt-labs.com)

**Calvert Laboratories Inc.** (*Cary*) provides preclinical research and contract drug discovery and development services, such as lead identification and lead optimization services.

[calvertlabs.com](http://calvertlabs.com)

**Camargo Pharmaceutical Services LLC** (*Durham*) provides contract drug development services, including strategy, regulatory, CMC, nonclinical and clinical.

[camargopharma.com](http://camargopharma.com)

**Cambrex** (*Durham and High Point*) offers development, analytical services and manufacturing of APIs and small-molecule drugs. Its Durham site provides drug substance development and manufacturing, as well as analytical services and microbiology testing services. Cambrex High Point develops and manufactures small-molecule APIs and intermediates for Phase 1 through 3 clinical trials. It also offers custom organic synthesis, process development, analytical development and cGMP manufacturing services.

[cambrex.com](http://cambrex.com)

**Campbell University Pharmaceutical Education and Research Center** (*Buies Creek*) offers analytical, formulation, R&D, clinical manufacturing and training services to the pharma and biotech industries, compounding pharmacies, government agencies and other academic institutions.

[cphs.campbell.edu/centers-programs/pharmaceutical-education-research-center/](http://cphs.campbell.edu/centers-programs/pharmaceutical-education-research-center/)

**Cancer Advances Inc.** (*Durham*), a subsidiary of Cato Bioventures, develops immunomodulator therapeutics to treat gastrointestinal cancers.

[canceradvancesinc.com](http://canceradvancesinc.com)

**Cancer Genetics Inc.** (*Morrisville*) offers diagnostic products and services that enable precision medicine in the field of oncology. This site performs clinical pharmacogenomic testing and provides biorepository services under federally designated clinical lab standards.

[cancergenetics.com](http://cancergenetics.com)

**Capture Pharmaceuticals Inc.** (*Chapel Hill*) develops oral treatments for removing toxic or radioactive metals in contaminated individuals.

[capturepharm.com](http://capturepharm.com)

**CardioEphEx LLC** (*Bahama*) develops therapeutics for cardiovascular disease and heart failure. The company's research focuses on cardioprotection by targeting the Ephrin/Eph receptor signaling pathway in the heart.

**CardioPharma Inc.** (*Wilmington*) develops combinatorial products to treat cardiovascular disease.

[cardio-pharma.com](http://cardio-pharma.com)

**Carolina Liquid Chemistries Corp.** (*Greensboro*), an ISO-certified and FDA-registered medical device company, specializes in clinical chemistry analyzers and reagents for clinical and reference labs. CLC also offers instrument training, repair, QA and technical support.

[carolinachemistries.com](http://carolinachemistries.com)

**Carolina Yeast and Analytics LLC** (*Durham*) isolates, propagates and sells yeast for brewing, and provides yeast banking and analytical testing services, including yeast viability, contamination testing, identification, IBUs, water testing and alcohol content.

[carolinayeast.com](http://carolinayeast.com)



**CasTag Biosciences Inc. (Durham)** provides custom AAV kits using CRISPR-based technology to label or functionally manipulate proteins of interest in cells or tissue. 💰 [castagbio.com](http://castagbio.com)

**Catalent Pharma Solutions LLC (Morrisville)** provides drug development and manufacturing services for the pharma, biotech and consumer sectors. Core offerings include biologics, parenterals, oral solids, softgel, inhalation, clinical supply services and analytical services. [catalent.com](http://catalent.com)

**Catalyst Medicine LLC (Durham)** designs, develops and commercializes Class 1 and Class 2 medical devices in the areas of neurology, orthopedics, cardiology and plastic surgery. [catalystmedicine.com](http://catalystmedicine.com)

**Cathtek Inc. (Winston-Salem)** develops and manufactures catheters and related accessories. [cathtek.com](http://cathtek.com)

**Cato Research Ltd. (Durham)** provides contract research services, including preclinical and clinical study design and management, regulatory assessments, data management and statistics, CMC program management, medical writing and submission of regulatory documents. [cato.com](http://cato.com)

**Cedarlane Laboratories Ltd. (Burlington)** manufactures and sells antibodies, proteins, research reagents and cell separation media to the life science community. The Burlington site is a distribution office. [cedarlanelabs.com](http://cedarlanelabs.com)

**CEI Labs Inc. (Cary)** provides industrial hygiene laboratory services such as asbestos testing, microbiology analysis and fungal analysis. [ceilabs.com](http://ceilabs.com)

**Cell Microsystems Inc. (Durham)** develops, manufactures and commercializes products and tools for the isolation, recovery and analysis of single cells. 💰 [cellmicrosystems.com](http://cellmicrosystems.com)

**Celldom Inc. (Durham)** is developing next-generation, high-throughput single-cell analysis technology with applications in research, drug discovery and drug development. Its technology enables the investigation of diversity in large cell populations. [celldom.com](http://celldom.com)

**Collectis (Raleigh)** develops blood and bone marrow cancer cell therapies. The Raleigh location is its North American manufacturing plant. [collectis.com](http://collectis.com)

**Collective BioTherapy Inc. (Research Triangle Park)** is developing cellular and monoclonal antibody-based platforms for treating cancers, autoimmunity and immunodeficiency. [collectivebiotherapy.com](http://collectivebiotherapy.com)

**Cellex Inc. (Research Triangle Park)** develops, manufactures and markets diagnostic tests suitable for point-of-care use. These tests use a platform technology called Homogeneous Biochemiluminescence Assay, which enables assays that are highly sensitive and easy-to-use. [cellex.us](http://cellex.us)

**CELLF-Bio LLC (Winston-Salem)** is developing a novel regenerative medicine-based therapy for fecal incontinence. [cellfbio.com](http://cellfbio.com)

**CellSolutions LLC (Greensboro)** develops liquid-based preparation and evaluation systems for cytology applications. The company's primary area of focus is women's health, including cervical cancer screening, precancer detection and evaluation of infectious disease. [cellsols.com](http://cellsols.com)

**Celplor LLC (Cary)** provides molecular biology services, including stable cell line generation, Southern blot analysis, Western blot analysis, cDNA cloning and mouse tail genotyping. [celplor.com](http://celplor.com)

**CEM Corp. (Matthews)** designs and develops microwave and non-microwave laboratory instrumentation and scientific methods for life sciences, analytical laboratories and processing plants. [cem.com](http://cem.com)

**Centre Ingredient Technology Inc. (Rockingham)** develops natural flavors and fragrance ingredients for the food, beverage and cosmetics industry using fermentation. CIT also provides contract development, toll manufacturing and biotransformation services. [bioingredients.com](http://bioingredients.com)

**Cereius Inc. (Durham)** is developing novel radio-labeled therapeutics for treating solid tumor brain metastasis. 💰 [cereius.io](http://cereius.io)

**Chaperone Therapeutics Inc. (Durham)** develops disease-modifying therapies for neurodegenerative and rare diseases caused by protein misfolding. 💰 [chaperonetherapeutics.com](http://chaperonetherapeutics.com)

**CharGrow (Asheville)** has developed and manufactures and distributes organic biochar-based probiotics for agriculture and horticulture. [char-grow.com](http://char-grow.com)

**Charles River Laboratories Inc. (Raleigh, Durham, Morrisville and Hillsborough)** provides drug discovery and development process services. Charles River Laboratories' Pathology Associates site in Durham provides pathology and toxicology contract services. Charles River Laboratories' Oncology Center of Excellence in Morrisville provides in vivo and in vitro oncology and immuno-oncology research services. Charles River Laboratories' Hillsborough location provides contract toxicologic pathology and histology services. [criver.com](http://criver.com)

**Charter Medical Ltd. (Winston-Salem)** designs and supplies single-use solutions for cell growth, frozen storage and biological fluid handling for the bioprocessing, cell therapy and medical device industries. CML is FDA-registered and ISO 13485-certified. [chartermedical.com](http://chartermedical.com)

**CHD Technologies Inc. (Charlotte)** conducts chemical process R&D for agricultural and pharmaceutical intermediates. Competencies include distillation, rectification, crystallization, filtration and drying for batch and continuous chemical manufacturing processes. [chdtechnologies.com](http://chdtechnologies.com)

**Chem-Bac Laboratories Inc. (Charlotte)** offers analytical testing, specializing in petroleum products, unknown polymer identifications and textiles.  
[chembac.com](http://chembac.com)

**ChemoGenics Biopharma LLC (Research Triangle Park)** provides collaborative drug discovery, bioanalytical, formulation and scale-up services. Capabilities include medicinal chemistry, DMPK, bioinformatics and preclinical models in cancer, inflammation and metabolic diseases.  
[chemogenicsbiopharma.com](http://chemogenicsbiopharma.com)

**ChemQ Bioscience LLC (Research Triangle Park)** develops and markets novel liquid products, such as bio-preservation media, tissue perfusion solutions and liquid-based cytology processing kits.  
[vitroprep.com](http://vitroprep.com)

**Chemring Sensors and Electronic Systems (Charlotte)** develops and manufactures chemical and biological agent detection systems, as well as explosive detection systems.  
[chemring.co.uk/about-us/our-business/chemring-sensors-and-electronics](http://chemring.co.uk/about-us/our-business/chemring-sensors-and-electronics)

**Chesson Laboratory Associates Inc. (Durham)** develops prescription and over-the-counter polymer-based medical products for wound care and skin and nail care products.  
[chessonlabs.com](http://chessonlabs.com)

**Chiesi USA Inc. (Cary)**, the U.S. affiliate of Chiesi Farmaceutici S.p.A, develops and commercializes products in the therapeutic areas of respiratory, cardiovascular, neonatology and cystic fibrosis.  
[chiesiusa.com](http://chiesiusa.com)

**Chimerix Inc. (Durham)** discovers, develops and commercializes broad-spectrum antivirals for the prevention and treatment of life-threatening viral infections.  
[chimerix.com](http://chimerix.com)

**Chirazyme (Washington)** produces enzymes for stereospecific epoxidation intermediates in pharmaceutical synthesis.  
[chirazyme.com](http://chirazyme.com)

**Circassia (Morrisville)** develops and markets products to aid in the diagnosis and control of asthma, COPD and allergy.  
[circassia.com](http://circassia.com)

**Citravi LLC (Chapel Hill)** develops vaccine technologies and products, using comprehensive structure-based vaccine design, broadly applicable to a variety of preventable disease targets  
[citravi.com](http://citravi.com)

**CivaTech Oncology Inc. (Morrisville)** has developed targeted implantable radiation devices to treat many cancer types. Products provide a targeted, customized radiation dose during a surgical resection procedure or in outpatient therapies to treat cancers. 💰  
[civatechoncology.com](http://civatechoncology.com)

**CiVentiChem USA LLC (Cary)** provides contract R&D and manufacturing services including medicinal chemistry, process R&D, scale-up synthesis and manufacturing of intermediates and regulatory starting materials.  
[civenticchem.com](http://civenticchem.com)

**Clinipace Worldwide Inc. (Morrisville)** provides clinical research services to pharmaceutical, biotechnology, and medical device companies globally, working across all major therapeutic areas including oncology, gastroenterology, nephrology and urology.  
[clinipace.com](http://clinipace.com)

**Clintec USA (Durham)** conducts clinical trials in oncology, rare diseases, anti-infectives, cardiology, dermatology, gastroenterology, neurology, respiratory medicine and rheumatology.  
[clintec.com](http://clintec.com)

**Cloud Pharmaceuticals Inc. (Research Triangle Park)** designs and develops novel drug molecules using computational design for a wide range of therapeutic areas including cancer, inflammation, CNS disorders and rare diseases. 💰  
[cloudpharmaceuticals.com](http://cloudpharmaceuticals.com)

**Cmed Clinical Services (Morrisville)** offers technology-led full service CRO services, specializing in complex disease areas, particularly oncology, immuno-oncology, cell and gene therapy and other specialty therapeutics areas.  
[cmedresearch.com](http://cmedresearch.com)

**CMP Pharma Inc. (Farmville)** develops, manufactures and commercializes specialty pharmaceuticals, focused on niche liquid and topical products that solve unmet patient needs.  
[cmppharma.com](http://cmppharma.com)

**Cognosci Inc. (Durham)** develops neurorestorative therapies for Alzheimer's disease, multiple sclerosis, traumatic brain injury, nerve crush and other disease and trauma indications. 💰  
[cognosci.com](http://cognosci.com)

**Cohesion Phenomics LLC (Spindale)** is a CLIA-certified molecular diagnostic laboratory. Cohesion Phenomics also develops DNA sequencing tests for complex and single gene disorders within specific clinical areas such as cardiovascular disease.  
[cohesionphenomics.com](http://cohesionphenomics.com)

**Colimmune Inc. (Durham)** develops and manufactures cell-based therapeutics to treat unmet medical needs including cancer, autoimmune and inflammatory diseases. Colimmune also provides cGMP consulting and manufacturing of third-party clinical-stage cell-based products.  
[coimmune.com](http://coimmune.com)

**Collaborations Pharmaceuticals Inc. (Raleigh)** develops drugs for rare and neglected diseases using machine learning software, providing preclinical and clinical expertise to rare disease foundations, academic scientists and companies developing clinical candidates.  
[collaborationspharma.com](http://collaborationspharma.com)

**Columbia Life Systems Inc. (Chapel Hill)** is developing a computer-controlled oxygen blender for therapeutic research. 💰

**Concentrx Pharmaceuticals Inc. (Durham)** develops inhaled prescription products for asthma and COPD, including a unit dose disposable dry powder inhaler.  
[concentrxpharma.com](http://concentrxpharma.com)

**Contego Medical LLC (Raleigh)** develops embolic protection devices for cardiovascular and peripheral vascular procedures, designed to simplify catheter-based procedures. 💰  
[contegomedical.com](http://contegomedical.com)



**ConvaTec Inc. (Greensboro)** develops and manufactures therapies for the management of chronic conditions, with a focus on advanced wound care, ostomy care, continence and critical care and infusion devices. The Triad site is the company's Global Quality Headquarters.

[convatec.com](http://convatec.com)

**Cook Medical (Winston-Salem)** develops and manufactures devices used in gastrointestinal endoscopy to diagnose and treat esophageal, gastric, pancreatic, biliary and colonic disorders.

[cookmedical.com](http://cookmedical.com)

**CorneaGen Inc. (Winston-Salem)** provides corneal endothelial cells for transplantation, as well as related supplies and devices. It is an FDA-registered human tissue establishment.

[corneagen.com](http://corneagen.com)

**Corning Life Sciences (Durham)**

manufactures pipettes, conical and round-bottomed tubes, cell inserts, tissue-culture plates and ADME/Toxicology products.

[corning.com/worldwide/en/markets/Life-Sciences-Market.html](http://corning.com/worldwide/en/markets/Life-Sciences-Market.html)

**Corteva Agriscience - Kinston Research Center (Kinston)** conducts research on the conventional and transgenic development of corn, soybeans and other crops, with an emphasis on drought-resistant products.

[pioneer.com](http://pioneer.com)

**Cotton Incorporated's (Cary)** Agricultural & Environmental Research Division improves cotton cultivation through genetic and biotechnology tools, enhancing yield, quality and resistance of cotton varieties.

[cottoninc.com](http://cottoninc.com)

**Countervail Corp. (Charlotte)** develops and commercializes products to diagnose, protect against and treat exposure to chemical weapons and pesticide poisoning. 💰

[countervailcorp.com](http://countervailcorp.com)

**Couragen Biopharmaceutics LLC**

(Chapel Hill) develops gene and protein therapy products for preclinical and clinical use to treat genetic and chronic diseases. Couragen also provides custom adeno-associated virus vectors as a tool for laboratory research.

**Covance Inc. (Durham, Morrisville and Wilmington)**, the drug development business of LabCorp, provides a wide range of early-stage and late-stage product development services primarily to the pharmaceutical and biotechnology industries.

[covance.com](http://covance.com)

**Creative PEGWorks (Research Triangle Park)** manufactures and supplies advanced functional polymer products for research. Main product lines include PEG, polysaccharides, biodegradable polyester, copolymers and PEGylation service.

[creativepegworks.com](http://creativepegworks.com)

**Creative Scientist Inc. (Research Triangle Park)** offers rapid in vitro ADME-TOX testing including 96-well permeability assays using MDCK cells. Creative Scientist also provides novel functional assays for cytotoxic T cells.

[cscientist.com](http://cscientist.com)

**CRL Suncare LLC (Winston-Salem)** provides services to sunscreen and dermatological product manufacturers, including evaluation of sunscreen SPF and UVA protection.

[suncarelab.com](http://suncarelab.com)

**Crop Microclimate Management Inc.**

(Apex) researches and develops technologies to improve crop productivity by mitigating the impact of environmental stresses.

[cropstress.com](http://cropstress.com)

**CSS-Dynamac (Durham)** provides health and safety services and scientific program support in the physical and life sciences. The Durham location provides environmental toxicity testing services.

[css-inc.com](http://css-inc.com)

**Curasan Inc. (Wake Forest)** develops, manufactures and markets biomaterials for bone and tissue regeneration. This site is a sales and marketing location for North America.

[curasaninc.com](http://curasaninc.com)

**Curl Bio LLC (Durham)** develops drugs for the interrelated set of disorders involving Type 2 diabetes, obesity, fatty liver disease, metabolic syndrome and associated complications.

[curlbio.com](http://curlbio.com)

**Cygnus Technologies LLC (Southport)**

develops products and services for the biopharma industry, including host cell protein ELISA kits, immunoassay reagents and custom development of antibodies and assays.

[cygnustechnologies.com](http://cygnustechnologies.com)

**Cytex Therapeutics Inc. (Durham)** develops bio-artificial devices to treat osteoarthritis and other musculoskeletal diseases.

[cytextherapeutics.com](http://cytextherapeutics.com)

**Daily Manufacturing Inc. (Rockwell)**

manufactures vitamins, minerals and herbals. The company also manufactures products for other supplement companies with their own brand names.

[dailymfg.com](http://dailymfg.com)

**David H. Murdock Research Institute**

(Kannapolis) provides collaborators with genomics, proteomics, metabolomics, light microscopy, NMR, clinical chemistry, cellular biology and immunology services. DHMRI focuses on human health, nutrition and agriculture.

[dhmri.org](http://dhmri.org)

**DaVINCI Biomedical Research Products**

**Inc. (Garner)** is an AAALAC-accredited contract lab that performs GLP and non-GLP preclinical animal studies. DaVINCI specializes in regenerative medicine, cardiovascular, orthopedic and medical device applications.

[davincibiomed.com](http://davincibiomed.com)

**Deep Blue Medical Advances Inc.**

(Durham) develops a surgical mesh for hernia repair and other medical device technologies from Duke University. 💰

[deepbluemedical.com](http://deepbluemedical.com)

**Demeter Biosciences LLC (Apex)** is creating sustainable animal feeds and macronutrients for applications in fish farming and animal husbandry.

[demeterbiosciences.com](http://demeterbiosciences.com)

**Dermavant Sciences (Durham)**, a part of the Roivant family of companies, develops therapies to treat skin diseases.

[dermavant.com](http://dermavant.com)

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*Photo: Jim Sink*

**Dignify Therapeutics LLC** (*Research Triangle Park*) develops bladder and bowel drug therapies for spinal cord-injured, multiple sclerosis and similar patient populations with voiding dysfunction. 💰  
[dignifytherapeutics.com](http://dignifytherapeutics.com)

**Dina Pharmaceuticals Inc.** (*Raleigh*) is developing a treatment for levodopa-induced dyskinesia associated with Parkinson's disease. 💰  
[dinapharma.com](http://dinapharma.com)

**DMC Biotechnologies Inc.** (*Durham*) is developing synthetic metabolic valve technology for rapid engineering of microbial hosts for the production of specialty chemicals, flavors, fragrances, nutraceuticals, natural products, pharmaceuticals and APIs.  
[dmcbio.com](http://dmcbio.com)

**DMK Pharmaceuticals Inc.** (*Holly Springs*) develops small-molecule analgesics that have reduced side effects that are currently associated with marketed analgesics.  
[dmkpharma.com](http://dmkpharma.com)

**Dova Pharmaceuticals Inc.** (*Durham*) develops treatments for orphan diseases. Its lead compound is being developed as a treatment for thrombocytopenia in patients with chronic liver disease.  
[dova.com](http://dova.com)

**Drumetix Laboratories LLC** (*Greensboro*) provides bioanalytical support for drug metabolism, pharmacokinetics and toxicokinetic (DMPK, ADME) studies, as well as LC-MS/MS analysis of small-molecule biomarkers, such as neurotransmitters, all-trans retinoic acid and creatinine.  
[drumetix.com](http://drumetix.com)

**DSK Biopharma Inc.** (*Morrisville*) provides custom synthesis and medicinal chemistry services. DSK develops and supplies fine chemicals, APIs and intermediates, scaffolds, inhibitors, amino acids, carbohydrates, peptides, coupling reagents and other compounds.  
[dskbiopharma.com](http://dskbiopharma.com)

**Dualogics LLC** (*Chapel Hill*) researches and develops bispecific antibody products based on its proprietary OrthoMab platform. 💰  
[dualogics.com](http://dualogics.com)

**Dharma Laboratories LLC** (*Morrisville*) offers scientific, regulatory and formulation development expertise to develop specialty and generic pharmaceutical products. The company develops novel dosage forms and proof-of-concept formulations for early clinical studies.  
[dharmaaplabs.com](http://dharmaaplabs.com)

**Diabetic Health Inc.** (*Research Triangle Park*) develops coatings to improve the longevity and performance of continuous glucose monitoring sensors (CGM) and insulin infusion sets used in diabetes management. 💰  
[diabetichealthinc.com](http://diabetichealthinc.com)

**Diamond Orthopedic LLC** (*Charlotte*) has developed and markets proprietary bone screw technology for orthopedic fixation.  
[diamondorthopedic.com](http://diamondorthopedic.com)



**Duke Clinical Research Institute** (*Durham*) is an academic clinical research organization that coordinates research projects including small pilot studies, multinational clinical trials, major national patient registries and landmark outcomes research.

[dcri.org](http://dcri.org)

**Ecoblend LLC** (*Pittsboro*) develops and manufactures organic weed- and pest-control products.

[ecoblend.green](http://ecoblend.green)

**Edison Agrosiences Inc.** (*Research Triangle Park*) is an agricultural biotechnology company that engineers yield improvements and the plant-based production of industrial materials, with a primary focus on the development of alternative rubber crops in sunflower.

[edisonagrosiences.com](http://edisonagrosiences.com)

**Eisai Inc.** (*Raleigh*) discovers, develops and markets pharmaceuticals in neurology and oncology-critical care. This site supports global partnerships, quality assurance and supply chain for the company.

[us.eisai.com](http://us.eisai.com)

**Eldec Pharmaceuticals Inc.** (*Chapel Hill*) is developing anti-inflammatory peptides to treat chronic lung disease. 💰

**Element Genomics Inc.** (*Durham*) is developing a high-throughput platform for understanding gene regulatory elements in order to identify new drug targets for common diseases.

**Eli Lilly** (*Research Triangle Park*) will manufacture drugs to treat Type 2 diabetes at this facility.

[lilly.com](http://lilly.com)

**Elo Life Systems Inc.** (*Durham*), a wholly owned subsidiary of Precision Biosciences Inc., uses a platform of precision breeding technologies to produce crops with novel traits.

[elolife.ag](http://elolife.ag)

**Emergo Therapeutics Inc.** (*Durham*) develops drugs to reduce the production of inflammatory cytokines from mast cells and improve the functioning of the immune system in various potential indications, starting with infectious diseases. 💰

[emergotherapeutics.com](http://emergotherapeutics.com)

**EMSL Analytical Inc.** (*Morrisville, Kernersville and Pineville*) provides analytical services, including microbiology, asbestos, metals, indoor air quality and food testing.

[emsl.com](http://emsl.com)

**EN-CAS Analytical Laboratories** (*Winston-Salem*) provides GLP-compliant analytical chemistry contract services for agrochemical, veterinary and bioanalytical research. EN-CAS has experience with preclinical and clinical trials support, pesticides, herbicides and veterinary drugs.

[en-cas.com](http://en-cas.com)

**EncepHeal Therapeutics Inc.** (*Winston-Salem*) develops neurotherapeutics to treat substance abuse and mental health disorders through working partnerships with academic institutions, private companies and foundations and government agencies. 💰

[encepheal.com](http://encepheal.com)

**ENCO Pharmaceutical Development Inc.** (*Cary*) provides analytical services, comprehensive stability storage and related testing, as well as a product and formulation development services.

[encopharma.com](http://encopharma.com)

**Endacea Diagnostics Inc.** (*Research Triangle Park*) is developing EndaTox IVD, an in vitro sepsis diagnostic, and EndaTox Test, an assay to measure LPS endotoxin in biological and non-biological samples.

[endacea.com](http://endacea.com)

**Endacea Inc.** (*Research Triangle Park*) develops A1 adenosine receptor antagonists as drug candidates for renal impairment and inflammation, including sepsis and asthma. 💰

[endacea.com](http://endacea.com)

**EnSolve Biosystems Inc.** (*Raleigh*) produces proprietary biologically based treatment systems to address oily bilge water, groundwater, process waste streams and scrubber water. It also manufactures bioenzymatic degreasers/detergents and oil-spill cleanup products. 💰

[ensolve.com](http://ensolve.com)

**Entegriion Inc.** (*Durham*) develops biologic and medical device technologies to enhance the safety and availability of the human blood supply. The company also provides blood supply-related contract R&D services to the U.S. Department of Defense. 💰

[entegriion.com](http://entegriion.com)

**ENTEX Technologies Inc.** (*Chapel Hill*) provides advanced biological and filtration wastewater treatment that can be customized for various industries.

[entexinc.com](http://entexinc.com)

**ENVIGEN Pharmaceuticals Inc.** (*Durham*) develops classes of small drug-like molecules to treat life-threatening diseases including cancer, HIV/AIDS and neurological disorders.

[envigenpharma.com](http://envigenpharma.com)

**Environmental Testing Solutions Inc.** (*Asheville*) offers microbiological and chemical testing for drinking water and wastewater and aquatic biomonitoring toxicity testing.

[etsnclab.com](http://etsnclab.com)

**Enzerna Biosciences Inc.** (*Raleigh*) is developing molecular tools for reversible, precise manipulation of gene expression, using technologies that create sequence-specific RNA binding proteins. Enzerna also offers mitochondrial toxicity models and testing. 💰

[enzerna.com](http://enzerna.com)

**Enzyvant Inc.** (*Durham*) develops therapeutics for treatment of rare diseases. Their focuses are RVT-802, an investigational tissue-based therapy for immune deficiency resulting from DiGeorge Anomaly, and RVT-801, an enzyme replacement therapy to treat Farber disease.

[enzyvant.com](http://enzyvant.com)

**EpiCypher Inc.** (*Durham*) develops and manufactures novel products and tools for epigenetics and chromatin biology, focused on enabling drug discovery research and development. 💰

[epicypher.com](http://epicypher.com)

**EPL Inc. (Durham)** provides GLP-compliant toxicologic pathology and related services including necropsy, histology, immunohistochemistry, pathology evaluation, EM, stereology, pathology peer reviews, specimen storage and consultation.

[epl-inc.com](http://epl-inc.com)

**Eppin Pharma Inc. (Durham)** is developing a non-hormonal male oral contraceptive. 💰

[eppinpharmainc.com](http://eppinpharmainc.com)

**EternaTear (Raleigh)** is developing an OTC product that treats progressive dry eye by binding the three tear film layers together to restore homeostasis in the eye.

[eternatear.com](http://eternatear.com)

**Eton Bioscience Inc. (Research Triangle Park)** specializes in DNA sequencing and offers other services such as gene and peptide synthesis, mutagenesis and mammalian cell expression.

[etonbio.com](http://etonbio.com)

**Eurofins Agrosience Services LLC (Mebane)** provides contract research services, product development consulting and technical support to the crop protection, agricultural biotechnology and pest control industries.

[eurofins.com/agrosience-services/global-locations/cedar-grove-usa/](http://eurofins.com/agrosience-services/global-locations/cedar-grove-usa/)

**Eurofins Craft Technologies Inc. (Wilson)** provides analytical and method development services to measure nutritional components in blood, tissues, dietary supplements, food and animal feed.

[eurofinsus.com](http://eurofinsus.com)

**Evexia Inc. (Durham)** is developing and commercializing a drug to treat patients suffering from neuropsychiatric conditions for which current therapies are inadequate.

[evexia.com](http://evexia.com)

**Exela Pharma Sciences LLC (Lenoir)**

develops, manufactures and markets sterile injectable pharmaceuticals and provides contract manufacturing services. The Lenoir site is a cGMP-compliant sterile manufacturing facility.

[exelapharma.com](http://exelapharma.com)

**Exodos Life Science Partners (Chapel Hill)** advances product concepts through the 505(b)(2) process to early clinical proof-of-principle and sale. Exodus specializes in topical formulations to treat Raynaud's Syndrome, cold sores and nail fungus.

[exodosls.com](http://exodosls.com)

**Eydis Bio Inc. (Research Triangle Park)** is developing a platform of tethered molecules that enable detection and ablation of malignant tumors.

**Eyedesis Biosciences LLC (Chapel Hill)** is developing a small-molecule macrophage inhibitor to treat neovascular age related macular degeneration.

**Fair Products Inc. (Cary)** manufactures and distributes tobacco crop care products including insecticides, sucker control, ripeners and fertilizers.

[fairproductsinc.com](http://fairproductsinc.com)

**Falcon Therapeutics Inc. (Durham)** develops gene-modified cell therapy technology which can turn a patient's own skin cells into "Trilogy Cells" that seek out and destroy cancer cells without expected side effects. 💰

[falcontherapeutics.com](http://falcontherapeutics.com)

**Fennec Pharmaceuticals Inc. (Research Triangle Park)** develops a sodium thiosulfate formula for the prevention of ototoxicity from cisplatin in pediatric patients.

[fennecpharma.com](http://fennecpharma.com)

**Fervent Pharmaceuticals LLC (Greenville)** develops a nonhormonal product, FP-101, to treat vasomotor symptoms associated with menopause.

[ferventpharma.com](http://ferventpharma.com)

**FHI 360 (Durham)** is a nonprofit human development organization that focuses on family planning, reproductive health and HIV/AIDS by advancing locally driven solutions. The laboratory in Durham offers medical device and pharmaceutical testing services.

[fhi360.org](http://fhi360.org)

**FHI Clinical Inc. (Durham)** provides tailored clinical trials services, from protocol design and site assessments to trial planning, implementation and management.

[fhiclinical.com](http://fhiclinical.com)

**FibroStatin Inc. (Raleigh)** develops treatments for drug resistant cancer and organ fibrosis using its proprietary GPBP technology that has identified a novel and preferred pathway for inhibiting the cell epithelial-to-mesenchymal transition.

[fibrostatin.com](http://fibrostatin.com)



[info@calvertlabs.com](mailto:info@calvertlabs.com) | (919) 854-4453 | [calvertlabs.com](http://calvertlabs.com)

*Calvert Labs is a premier CRO that has been serving the biopharmaceutical community for decades by conducting a wide range of non-GLP and GLP studies for both emerging and established biopharma companies worldwide. We offer lead optimization services and preclinical services to help our clients advance their discoveries into clinical trials.*



**First Flight Biosciences Inc. (Cary)** provides contract drug discovery research services, including lead optimization in preclinical drug discovery, assay development, compound profiling, high-throughput screening, in vivo pharmacology, DMPK and bioanalytics.

[firstflightbioscience.com](http://firstflightbioscience.com)

**FLAG Therapeutics Inc. (Raleigh)**

develops cancer therapeutics using new classes of small molecules which have selective dual activity: antiangiogenesis and chemotherapeutic. 💰

[flagtherapeutics.com](http://flagtherapeutics.com)

**Fleming Laboratories Inc. (Charlotte)**

manufactures animal pharmaceuticals.

**Flexcell International Corp. (Burlington)**

designs and manufactures products for cytomechanics research, studying cellular responses to mechanical forces such as tension or compression. 💰

[flexcellint.com](http://flexcellint.com)

**Foenestra Corp. (Winston-Salem)**

is developing a diagnostic device based on proprietary solid-state nanopore technology that enables point-of-care detection of pathogens.

[foenestra.com](http://foenestra.com)

**Foothills Bio-Energies (Lenoir)** produces biodiesel from virgin agri-based feedstock.

[incominginc.com/operations/](http://incominginc.com/operations/)

**Fortovia Therapeutics Inc. (Raleigh)**

develops and commercializes oncology treatments and supportive care.

[fortovia.com](http://fortovia.com)

**Foundation Medicine Inc. (Morrisville)**

develops and provides clinical assays that provide a comprehensive genomic profile to identify molecular alterations in a patient's cancer and match them with targeted therapies and clinical trials.

[foundationmedicine.com](http://foundationmedicine.com)

**Frenova Renal Research (Durham)**

provides Phases 1 through 4 drug and device clinical development services for renal research. Services include renal clinical program development, maintenance of a renal research site network and bioinformatics and analytics.

[frenovarenalresearch.com](http://frenovarenalresearch.com)

**Fresenius Kabi USA LLC (Wilson)**

manufactures medical devices and sterile injection- and infusion-based drug-delivery products.

[fresenius-kabi.com](http://fresenius-kabi.com)

**FUJIFILM Diosynth Biotechnologies USA Inc. (Morrisville)**

provides biologics contract development and manufacturing. Services include cell line development, process and analytical development, clinical and commercial manufacturing and bioprocess research and development.

[fujifilmdiosynth.com](http://fujifilmdiosynth.com)

**FusionBio Inc. (Chapel Hill)** develops novel treatments for immune-mediated diseases, including cancer and autoimmunity.

[fusionbiology.com](http://fusionbiology.com)

**G&W Laboratories LLC (Lincolnton)**

manufactures OTC and prescription hydrocortisone, antifungal and permethrin products such as creams, ointments, liquids and suppositories.

[gwlabs.com](http://gwlabs.com)

**G1 Therapeutics Inc. (Research Triangle Park)** is focused on the discovery, development and delivery of innovative therapies for those affected by cancer. 💰

[g1therapeutics.com](http://g1therapeutics.com)

**Gaia Herbs Inc. (Brevard)**

grows and produces certified organic herbal products, including liquid extracts, functional powders and herbal teas. All growing, manufacturing, processing, researching, packaging and distribution takes place in its North Carolina facilities.

[gaiaherbs.com](http://gaiaherbs.com)

**Galaxy Diagnostics Inc. (Morrisville)**

offers molecular and serology testing for flea- and tick-borne infections to physicians, veterinarians and clinical researchers, using novel and conventional technologies developed in-house or in-licensed. 💰

[galaxydx.com](http://galaxydx.com)

**Gateway Bio Inc. (Durham)** is developing a rapid-onset anticoagulant.

**Gavilán Biodesign Inc. (Chapel Hill)**

develops software that applies computational chemistry and AI to screen trillions of molecules to find biologics and small molecules that can overcome resistance. Gavilán is also developing novel antibiotics using the platform.

[gavilanbio.com](http://gavilanbio.com)

**GBM Pharma Inc. (Durham)** develops drugs to treat glioblastoma multiforme.

**GEM Tox Labs (Greenville)** conducts research focused on cancer biotechnology, food safety and toxicology, with a special emphasis on cancer biomarker discovery and validation.

**DavosPharma**  
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[www.davos.com](http://www.davos.com) | (919) 607-0207 | [mcaddell@davos.com](mailto:mcaddell@davos.com)

*DavosPharma specializes in supporting all aspects of the drug development spectrum, from IND-enabling activities required to get a new molecule from concept to clinic, to ton-scale manufacturing of APIs and drug product. This includes items such as custom chemistry, biology, toxicology, and pharmaceutical manufacturing services for APIs and dosage forms.*

**Gene Facelift LLC** (*Winston-Salem*) develops a cosmetic gene therapy in a topical cream formulation to reduce wrinkles, regenerate collagen and restore aging skin. The delivery platform will be used to develop wound-healing drugs.

[genefacelift.com](http://genefacelift.com)

**Gene Master LLC** (*Cary*) provides contract biomedical research services such as genotyping and vector construction. Gene Master helps design and perform biological experiments.

[ncgenemaster.com](http://ncgenemaster.com)

**Genebiology Inc.** (*Research Triangle Park*) identifies, patents and develops new parenteral formulations of approved drugs for unmet medical needs using the 505b2 regulatory pathway.

[genebiology.com](http://genebiology.com)

**GeneCentric Therapeutics Inc.** (*Research Triangle Park*) develops molecular diagnostic assays to enable oncologists and their patients to make informed, individualized treatment decisions.

[genecentric.com](http://genecentric.com)

**Geneffects LLC** (*Mebane*) provides proteogenomic analyses of data and has developed a proteogenomic search software called Peppy.

[geneffects.com](http://geneffects.com)

**Genemart Bioscience Inc.** (*Cary*) manufactures antibodies, recombinant proteins, ELISA kits and critical assays. Genemart also provides contract R&D, process development and manufacturing services to the biopharmaceutical and academic lab communities.

**Genecine Therapeutics LLC** (*Durham*) develops mRNA vaccines for the prevention and treatment of cancer, viral diseases and autoimmune diseases, as well as mRNA therapeutic drugs for genetic diseases.

**General Biosystems Inc.** (*Durham*) provides gene synthesis, molecular biology, and protein expression and purification services.

[generalbiosystems.com](http://generalbiosystems.com)

**Generys Biopharmaceuticals Corp.** (*Chapel Hill*) develops drugs, formulations and generics for unmet medical needs. Generys also offers therapeutic pipeline portfolio consulting and management services on a contract basis.

[generysbiopharma.com](http://generysbiopharma.com)

**Genetron Health Technologies Inc.** (*Research Triangle Park*) provides mutation detection assays using its liquid biopsy platform, as well as various genetic assays to support both clinical and basic research. Genetron also offers custom assay development.

[us.genetronhealth.com](http://us.genetronhealth.com)

**GENEWIZ Inc.** (*Research Triangle Park*) provides custom DNA sequencing, gene synthesis, genomics, next-generation sequencing and molecular biology in a GLP/cGMP regulatory environment.

[genewiz.com](http://genewiz.com)

**Genova Diagnostics Inc.** (*Asheville*) performs diagnostics and molecular genetics testing under federally designated clinical lab standards to support physicians in personalized chronic disease treatment and prevention.

[gdx.net](http://gdx.net)

**Genoverde Biosciences Inc.** (*Raleigh*) is developing a cell wall gene platform technology used to increase biomass production in non-food crops.

[genoverde.com](http://genoverde.com)

**Glenmark Pharmaceuticals Inc., USA** (*Monroe*) discovers small-molecule drugs and biologics in the areas of oncology, respiratory disease and dermatology, and manufactures and distributes APIs and generics. The Monroe site manufactures oral solids, injectables and topicals.

[glenmarkpharma.com](http://glenmarkpharma.com)

**Global Lyme Diagnostics LLC** (*Research Triangle Park*) develops and provides diagnostic solutions specific to Lyme Disease, with the goal of decreasing the number of patients being mis- or undiagnosed.

[glymedx.com](http://glymedx.com)

**Global Vaccines Inc.** (*Chapel Hill*) is a not-for-profit company that develops vaccines against developing-country diseases such as HIV/AIDS, polio, dengue fever, malaria and viral diarrhea (rotavirus).

**Glycan Therapeutics Inc.** (*Raleigh*) offers synthetic carbohydrates of various lengths to aid researchers investigating multiple therapeutic areas. Glycan also offers custom synthesis and array analysis of heparan and chondroitin sulfate oligosaccharides derivatives.

[glycantherapeutics.com](http://glycantherapeutics.com)

**Goldsboro Laboratories LLC** (*Goldsboro*) develops and manufactures vaccines for the swine, poultry and cattle divisions of Goldsboro Milling Company.

**Greenlight Biosciences Inc.** (*Research Triangle Park*) has developed a cell-free bioprocessing method for the low-cost production of RNA for use in research in vaccine development, vector control, pandemic preparation, crop management and crop pesticides.

[greenlightbiosciences.com](http://greenlightbiosciences.com)

**Grid Therapeutics LLC** (*Durham*) is developing cancer therapeutics that utilize a unique platform that develops human-derived antibodies to treat multiple cancer types.

[gridtherapeutics.com](http://gridtherapeutics.com)

**Grifols** (*Research Triangle Park and Clayton*) manufactures and markets plasma-derived medicines to treat chronic and acute conditions in the therapeutic areas of immunology, pulmonology, hematology, thrombolytics and neurology. Grifols' manufacturing campus in Clayton produces plasma-derived medicines to treat a number of rare, genetic, chronic and potentially life-threatening conditions.

[grifols.com](http://grifols.com)

**GSK** (*Research Triangle Park and Zebulon*) develops and manufactures vaccines, medicines and consumer healthcare products, with a focus on science related to the immune system, use of genetics and advanced technologies. GSK manufactures solid-dose products, including tablets and capsules, at its Zebulon facility. The plant also does granulation, drying and packaging, and contract manufacturing of antibiotics for other companies.

[gsk.com](https://www.gsk.com)

**Guerbet LLC** (*Raleigh*) manufactures contrast media used in diagnostic imaging tests.

[guerbet-us.com](https://www.guerbet-us.com)

**Gusto Global LLC** (*Research Triangle Park*) integrates advanced computational and lab-based discovery tools to develop next-generation microbiome-based therapeutics & diagnostics.

[gustoglobal.com](https://www.gustoglobal.com)

**Gyrus Pharmaceuticals Inc.** (*Chapel Hill*) is developing treatments for serious diseases of the central nervous system using proprietary therapeutic agents and nanoparticles for noninvasive delivery to the CNS.

[gyruspharma.com](https://www.gyruspharma.com)

**Hammock Pharmaceuticals Inc.** (*Charlotte*) licenses and develops women's health and urology products. It is developing a metronidazole and clindamycin vaginal gel to treat bacterial vaginosis, and a urology product to treat radiation cystitis.

[hammockpharma.com](https://www.hammockpharma.com)

**Happy Jack Inc.** (*Snow Hill*) manufactures insecticides and pharmaceutical preparations to treat dogs.

[happyjackinc.com](https://www.happyjackinc.com)

**HDH Pharma Inc.** (*Morrisville*) offers contract chemistry research services to the biopharma industry, including medicinal and process chemistry; organic synthesis; CMC analytical and bioanalytical services; and API intermediate, inhibitor and screening compound provision.

[hdhpharma.com](https://www.hdhpharma.com)

**Health Decisions Inc.** (*Durham*) is a full-service CRO specializing in clinical studies of therapeutics for women's health indications and studies of diagnostics for all therapeutic areas.

[healthdec.com](https://www.healthdec.com)

**Heat Biologics Inc.** (*Morrisville*) develops immunotherapies to activate a patient's immune system against cancer. The company's drugs are designed to take advantage of a natural biological process to robustly activate and stimulate T cells. 💰

[heatbio.com](https://www.heatbio.com)

**HeiQ ChemTex Inc.** (*Concord*) develops and manufactures specialty chemicals for the carpet, textiles, paper, coated fabrics, oil field recovery and specialty surfactants industries. Its product Bac-Shield contains a natural microbial extracted from snow crab shells.

[chemtexlaboratories.com](https://www.chemtexlaboratories.com)

**Hemo Bioscience Inc.** (*Morrisville*) is an FDA-registered, ISO 13485-accredited manufacturer of blood-typing reagents and diagnostics for the blood-banking industry.

[hemobioscience.com](https://www.hemobioscience.com)

**HemoSonics LLC** (*Durham*) is developing an in vitro diagnostic platform that measures the evolving stiffness of forming blood clots within a consumable test cartridge. Its technology assists with the management of coagulation dysfunctions at the point of care.

[hemosonics.com](https://www.hemosonics.com)

**HepatoSys Inc.** (*Cornelius*) develops technologies for functional restoration and storage of organs, tissues and cells for use in research and therapeutic applications.

[hepatosys.com](https://www.hepatosys.com)

**Heteroz LLC** (*Raleigh*) supplies building blocks and screening compounds for research and development and provides custom synthesis of organic and inorganic compounds for the chemical, pharmaceutical and agrochemical industries.

[heteroz.com](https://www.heteroz.com)

**High Point Clinical Trials Center** (*High Point*) conducts Phase 1 and 2 clinical research studies to test emerging drugs for pharmaceutical companies.

[highpointctc.com](https://www.highpointctc.com)

**HIPRA Scientific USA LLC** (*Raleigh*) researches and develops vaccines, diagnostics and pharmaceuticals for animal health.

[hipra.com](https://www.hipra.com)

**HOMS LLC** (*Pittsboro*) develops, manufactures and markets natural products for pest management.

[homs.com](https://www.homs.com)

**Howard Associates LLC** (*Research Triangle Park*) offers preclinical contract research to the pharma industry, primarily on rodent models to predict the efficacy of experimental compounds for CNS diseases and to predict side effects. The company also offers science editing and writing.

**HTX Technologies LLC** (*Chapel Hill*) develops tissue imaging and molecular imaging technologies, with a primary focus on sample preparation and mass spectrometry imaging.

[htximaging.com](https://www.htximaging.com)

**Humacyte Inc.** (*Durham*) develops a technology platform that isolates and grows stable investigational human tissue replacements with potential regenerative medicine, vascular and nonvascular surgery applications. 💰

[humacyte.com](https://www.humacyte.com)

**Huvepharma Inc.** (*Maxton*) manufactures Coccidiosis vaccines for in ovo and post-hatch vaccination of poultry.

[huvepharma.com](https://www.huvepharma.com)

**Icagen Inc.** (*Durham*) partners with global pharmaceutical and biotech companies to generate high-quality, advanced leads, with expertise in kinases, GPCR's, ion channels and transporters.

[icagen.com](https://www.icagen.com)

**ICON Clinical Research LLC** (*Durham*) provides drug development and clinical services, from compound selection to Phase 1 through 4 clinical studies, in areas including oncology, cardiovascular and biosimilars.

[iconplc.com](https://www.iconplc.com)



**Ideal Health Biotechnology LLC**

(Kannapolis) researches and develops dietary supplements made from plant-based compounds, including products derived from grape seed extract and algae for digestion, eye disease and diabetes.

[transforming-science.com/ideal-health-biotechnology/](https://transforming-science.com/ideal-health-biotechnology/)

**IDEXX Reference Laboratories Inc.**

(Greensboro) provides animal health diagnostic products and services for use in small animals, equine, poultry and dairy livestock. It also provides microbiology-based water testing products.

[idexx.com/corporate/home.html](https://idexx.com/corporate/home.html)

**Iluma Alliance** (Durham) develops, manufactures and markets nutritional ingredients for animals. This location conducts research on feed additives for animal nutrition.

[iluma.bio](https://iluma.bio)

**Immune Diagnostics Inc. (Asheville)**

provides advanced testing services to developers of immuno-therapeutics and vaccines using its proprietary technologies. The company's pipeline includes related clinical diagnostics, point-of-care and companion assays and systems. 💰

[fx-immune.com](https://fx-immune.com)

**Immunolight LLC** (Oak Island) develops energy modulating technology to activate immunotherapeutics to treat cancer.

[immunolight.com](https://immunolight.com)

**ImmunoReagents Inc. (Raleigh)**

manufactures primary and secondary polyclonal antibodies used in research and in vitro diagnostics for the pharmaceutical and veterinary markets.

[immunoreagents.com](https://immunoreagents.com)

**IMMvention Therapeutix Inc. (Durham)**

develops novel therapies to fulfill unmet needs of patients with inflammatory diseases and cancer. 💰

[immventionthera.com](https://immventionthera.com)

**Inanovate Inc. (Raleigh)** has developed a patented blood analysis system (the Bio-ID) for diagnostic tests. The first application of the Bio-ID is a new blood test to detect breast cancer recurrence at a stage when it may still be cured. 💰

[inanovate.com](https://inanovate.com)

**Indexus Biomedical LLC (Morrisville)**

designs, develops and manufactures instrument systems, reagents and assays for in vitro diagnostics, initially focusing on the hematology and immunology markets. 💰

[indexusbiomed.com](https://indexusbiomed.com)

**Indicus Pharma LLC (Raleigh)** develops generic formulations in oral solid dosage forms, parenterals and ophthalmics. Products are manufactured at a partner facility in India.

[indicuspharma.com](https://indicuspharma.com)

**Indigo Agriculture (Research Triangle Park)**

utilizes plant microbes to improve crop health and productivity, with a portfolio focused on cotton, wheat, corn, soybeans and rice.

[indigoag.com](https://indigoag.com)

**IndiOmics LLC (Wilmington)** uses machine learning and protein biomarker expression levels to identify connections between human cells and common chemical exposures.

[indiomics.org](https://indiomics.org)

**IngateyGen LLC (Elizabeth City)**

is developing a hypoallergenic peanut plant in an effort to eradicate severe and fatal allergic reactions caused by peanuts. IGG also provides organic and food testing services. 💰

[ingateygen.com](https://ingateygen.com)

**Ingredion Inc. (Winston-Salem)**

manufactures ingredients for foods, beverages and drugs from corn, tapioca, wheat and potatoes.

[ingredion.com](https://ingredion.com)

**Inhalon Biopharma Inc. (Carrboro)** is developing monoclonal antibodies using technology that enables trapping of pathogens in mucus secretions for treating diseases of the respiratory tract.

**Initos Pharmaceuticals LLC (Chapel Hill)** is developing a platform delivery technology for nucleic acid therapeutics to develop agents to enhance intracellular delivery of oligonucleotides, peptides and proteins.

**Inivata Inc. (Research Triangle Park)**

develops a noninvasive liquid biopsy diagnostic using the precision of circulating tumor DNA analysis for improving cancer detection and assessing individual response to treatment.

[inivata.com](https://inivata.com)

**Innatrix Inc. (Research Triangle Park)** is developing technology for the production of high-affinity, high-specificity protein ligands to protein targets of interest. The company's applied focus is the agricultural sector.

[innatrix.com](https://innatrix.com)

**InnAVasc Medical Inc. (Durham)** designs and develops products for vascular access. The company's first technology is an arteriovenous graft modification that facilitates graft access and safety in hemodialysis. 💰

[innavasc.com](https://innavasc.com)

**Innocrin Pharmaceuticals Inc. (Durham)**

discovers and develops a novel small-molecule CYP17 lyase inhibitor that can be taken orally to treat castration-resistant prostate cancer.

[innocrinpharma.org](https://innocrinpharma.org)

**Innovate Biopharmaceuticals Inc.**

(Raleigh) is developing novel medicines for autoimmune and inflammatory diseases with unmet needs. Innovate has the first drug in Phase 3 trials for celiac disease.

[innovatebiopharma.com](https://innovatebiopharma.com)

**Innovative Neurophysiology Inc.**

(Durham) designs and develops advanced tools, equipment and methodology for neuroscience research.

[inphysiology.com](https://inphysiology.com)

**Insoma Bio Inc. (Durham)** is developing recombinant, protein-based materials to solve problems in tissue engineering and regenerative medicine.

[insomabio.com](https://insomabio.com)

**Intarcia Therapeutics Inc. (Research Triangle Park)**

is developing a continuous subcutaneous delivery system to treat Type 2 diabetes. The RTP location discovers and develops peptide therapeutic drugs to augment Intarcia's drug delivery platform.

[intarcia.com](https://intarcia.com)

**Integrated Laboratory Systems Inc.**

(Morrisville) provides GLP toxicology, histopathology, molecular biology and research and development services to government and commercial clients in agro-chemical, biopharmaceutical and environmental industries.

[ils-inc.com](https://ils-inc.com)

**Intelligent Implant Systems LLC**

(Charlotte) designs and develops all-sterile medical devices for the spine, including single-use instrument sets.

[intelligentimplantsystems.com](http://intelligentimplantsystems.com)

**Invitrox Inc. (Research Triangle Park)**

provides GLP-compliant bioanalytical services for nonclinical and clinical drug development studies, with expertise in method development and validation, small and large molecules, sample analysis, metabolites, biomarkers and drug monitoring.

[invitrox.com](http://invitrox.com)

**IProbeLabs Inc. (Research Triangle Park)**

offers medicinal chemistry services, including design, structure optimization, structural-activity relationship (SAR) analysis and preclinical studies of active pharmaceutical ingredients and drug leads.

[ipobelabs.com](http://ipobelabs.com)

**IQVIA (Durham)** provides technology-enabled healthcare services to help biotech, medical device and pharmaceutical companies develop new therapies, identify unmet treatment needs and understand the safety, effectiveness and value of pharmaceutical products.

[iqvia.com](http://iqvia.com)

**IQVIA Biotech (Morrisville and Wilmington)**

offers planning, trial design and delivery, and market launch and commercialization for emerging biotech companies and the biopharma industry.

[iqviabiotech.com](http://iqviabiotech.com)

**Irex Pharma LLC (Chapel Hill)** is identifying and commercializing novel therapeutics to control excess mucus in pulmonary patients.

**Ironshore Pharmaceuticals Inc. (Durham)**

is developing novel formulations of previously approved drug products to treat ADHD and address unmet needs in the treatment of the disease.

[ironshorepharma.com](http://ironshorepharma.com)

**Isagro USA Inc. (Morrisville)**, a wholly owned subsidiary of Isagro SpA, sells and markets crop protection products. The Morrisville site is a sales office.

[isagro.com/en/about-us/isagro-world-wide/isagro-usa.html](http://isagro.com/en/about-us/isagro-world-wide/isagro-usa.html)

**Isolere Bio Inc. (Durham)** is developing novel, non-chromatographic technologies for the purification of biologics such as antibodies, gene delivery vectors and personalized cell therapies. 💰

[isolerebio.com](http://isolerebio.com)

**ISTARI Oncology Inc. (Durham)** is developing immunotherapies for cancer treatment.

[istarioncology.com](http://istarioncology.com)

**JABB of the Carolinas Inc. (Pine Level)**

develops and manufactures fungal soil additives and biopesticide products. Jabb also offers contract manufacturing for specific fungal products.

[jabbspe.com](http://jabbspe.com)

**Jericho Sciences LLC (Research Triangle Park)** is developing antiviral therapeutics and corresponding personalized diagnostics for the clinical management of HIV-1 infection.

[jerichosciences.com](http://jerichosciences.com)

**JLA International Inc. (Edenton)** provides testing and analytical services for the food and beverage industry. It also provides technical consulting services.

[jlaglobal.com](http://jlaglobal.com)

**Juno Metabolomics LLC (Chapel Hill)** is developing next-generation metabolomics for precision medicine.

[junometabolomics.com](http://junometabolomics.com)

**Kaio Therapy LLC (Raleigh)** develops an immunotherapy technology to treat solid tumors. 💰

[kaiotherapy.com](http://kaiotherapy.com)

**Karamedica Inc. (Raleigh)** has developed a plasma treatment system to decontaminate chitosan, a biopolymer found in the shells of shrimps and crabs. Karamedica is currently developing a nanoparticle therapy for cerebral amyloid angiopathy.

[karamedica.com](http://karamedica.com)

**KaryoLogic Inc. (Durham)** provides chromosome analysis services to research laboratories. Services include G-band karyotyping of human and mouse stem cell and cancer cell lines.

[karyologic.com](http://karyologic.com)

**KBI Biopharma Inc. (Durham)**

offers contract development and biopharmaceutical manufacturing services such as formulation, analytical method development, stability services, process development and recombinant protein API manufacturing. 💰

[kbibiopharma.com](http://kbibiopharma.com)

**Kepley Biosystems Inc. (Greensboro)**

employs nanotechnology to develop applications that have commercial potential in the life science sector. It is currently developing a synthetic crustacean bait.

[kepleybiosystems.com](http://kepleybiosystems.com)

**Keratin Biosciences Inc. (Winston-Salem)**

advances regenerative medicine and drug delivery therapies for tissue injuries based on human-derived keratin technology platform. This site manufactures biomaterials for thermal burns, and bone, muscle and nerve regeneration.

**KindHeart Inc. (Chapel Hill)** develops and provides tissue-based surgical simulators for demonstration and training of surgical devices and techniques. 💰

[kindheart.com](http://kindheart.com)

**Kitty Hawk Biosciences Inc. (Cary)**

is developing enabling technologies for difficult-to-transfect cells to reduce the cost and complexity of ex-vivo cell manipulations for applications in research and clinical settings.

[kittyhawkbio.com](http://kittyhawkbio.com)

**KlearOptix Inc. (Kannapolis)** develops advanced contact lens technology, including bandage lenses for healing, intraocular lenses for cataract surgery and new materials for soft, rigid and hybrid contact lenses.

[transforming-science.com/klear-optix](http://transforming-science.com/klear-optix)

**Knightpoint Group LLC (Cary)** offers contract development and manufacturing services, specializing in parenteral and respiratory drug delivery products. Knightpoint Group is also developing a platform capsule inhaler technology for large doses.

**Kowa Research Institute Inc.** (*Morrisville*), a division of Kowa Company Ltd., develops therapeutic drugs to treat cardio-metabolic diseases such as diabetes and atherosclerosis, pain and sensory organ disorders.  
[kowaus.com](http://kowaus.com)

**Krenitsky Pharmaceuticals Inc.** (*Chapel Hill*) discovers and develops drug candidates, with a focus on disorders of the nervous system.  
[kpi-pharma.com](http://kpi-pharma.com)

**KXTbio Inc.** (*Chapel Hill*) develops and commercializes reagents and assays for two major classes of drug targets, GTPases and G protein-coupled receptors.  
[kxtbio.com](http://kxtbio.com)

**Laboratory Corporation of America** (*Burlington, Morrisville and Research Triangle Park*) provides clinical and anatomical laboratory services, including clinical trials testing services, and offers a broad range of genomic and esoteric tests. The Burlington location is LabCorp's global headquarters and Center for Esoteric Testing. LabCorp's Center for Occupational Testing in Morrisville provides urine, hair, oral fluid and point-of-collection drugs-of-abuse testing services. LabCorp's Center for Molecular Biology and Pathology in RTP provides laboratory testing services.  
[labcorp.com](http://labcorp.com)

**Laudiss Labs LLC** (*Winston-Salem*) uses advanced proprietary platform technologies for quantitative DNA and protein testing of GMOs, foodborne pathogens and mycotoxins in food and feed.  
[laudiss.com](http://laudiss.com)

**LCMS Limited** (*Durham*) provides LC/MS services for the identification and quantification of compounds in biological and environmental matrices. LCMS specializes in detecting cross contamination from food and drug manufacturing and also provides LC/MS training.  
[lcmslimited.com](http://lcmslimited.com)

**Leaf Technologies** (*Durham*), a business unit of Lesaffre, specializes in developing advanced fermentation solutions and services for industrial ethanol and bio based chemicals producers.  
[lesaffreadvancedfermentations.com](http://lesaffreadvancedfermentations.com)

**LeafPro LLC** (*Wilson*) develops new technologies for producing naturally occurring proteins and coproducts from plant biomass.  
[leafprobioproducts.com](http://leafprobioproducts.com)

**Leica Microsystems Inc.** (*Morrisville*) manufactures microscopes and scientific instruments for the analysis of microstructures and nanostructures. Its Morrisville site develops optical coherence tomography imaging systems for ophthalmology preclinical research and surgery.  
[leica-microsystems.com/products/optical-coherence-tomography-oct](http://leica-microsystems.com/products/optical-coherence-tomography-oct)

**LemnaTec Corp.** (*Research Triangle Park*) offers phenotyping solutions for quantitative root, shoot, seed and pest evaluation in plant biology research and agricultural product development.  
[lemnatec.com](http://lemnatec.com)

**LifeEDIT** (*Research Triangle Park*), an AgBiome subsidiary, uses its bioinformatic pipeline to mine a microbial genome sequence database to develop gene editing systems. Systems are used in therapeutic and agriculture gene editing applications in-house and through partnerships.  
[lifeditinc.com](http://lifeditinc.com)

**LifeNet Health** (*Research Triangle Park*) provides transplant solutions, including cellular therapy research, organ procurement and bio-implant. The North Carolina facility isolates liver cells and adult stem cells for applications in drug discovery and toxicity testing.  
[lifenethealth.org](http://lifenethealth.org)

**LifeScape Biosciences Inc.** (*Charlotte*) develops prescription and nonprescription pharmaceutical products and medical foods made from FDA-designated "generally regarded as safe" substances.  
[lifescapebio.com](http://lifescapebio.com)

**LigaTrap Technologies** (*Durham*) provides proprietary affinity chromatography resins and supporting products. LigaTrap also provides custom services for process development, small batch cell culture, scale-up purification and assays.  
[ligatrap.com](http://ligatrap.com)

**Lindy Biosciences Inc.** (*Research Triangle Park*) develops protein therapeutic formulations for non-standard formulations such as suspension formulations (for high-concentration delivery of antibodies), encapsulation (for sustained/controlled release) or dry powder pulmonary delivery. 💰  
[lindybio.com](http://lindybio.com)

**Liquidia Technologies Inc.** (*Morrisville*) develops and commercializes human therapeutics to treat pulmonary arterial hypertension and post-operative pain using its proprietary particle engineering technology.  
[liquidia.com](http://liquidia.com)

**Lociomics** (*Durham*) develops systems to spatially relate the genomic and proteomic basis of a cell with its morphological state, with applications in clinical research workflows for cancer studies, providing single cell resolution for routine samples.  
[lociomics.com](http://lociomics.com)

**Locus Biosciences Inc.** (*Morrisville*) is developing CRISPR-engineered bacteriophage products that kill target bacteria by irreversibly destroying their DNA while leaving the many species of beneficial bacteria in the body unharmed. 💰  
[locus-bio.com](http://locus-bio.com)

**Lonza RTP** (*Morrisville*) provides bioscience products and services ranging from cell culture and discovery technologies for research to quality control tests and software that ensures product quality. Its RTP site produces hepatocytes for use in drug research. bioscience.  
[lonza.com](http://lonza.com)

**Lucerno Dynamics LLC** (*Cary*) is commercializing a noninvasive device for quality assurance and control in nuclear medicine imaging. Future applications of the technology include rheumatoid arthritis, immunotherapy, nuclear medicine and chemotherapy assessment. 💰  
[lucernodynamics.com](http://lucernodynamics.com)

**Lundbeck NA Ltd.** (*Charlotte*) is a pharmaceutical development company that acquires and develops products to treat various human diseases, including central nervous system disorders.  
[lundbeck.com/us](http://lundbeck.com/us)



**MAA Laboratories Inc. (Durham)** develops new drug products by nanoformulating currently marketed drugs with meaningful clinical benefits. The company's NanoCont technology requires small clinical trials for the new product regulatory approval through 505(b)(2) pathway. 💰

[maalaboratories.com](http://maalaboratories.com)

**Madera Therapeutics LLC (Cary)** is developing small molecule anti-cancer agents that function via an initial disruption of mitochondrial function ultimately leading to an immune response against the cancer.

[maderathera.com](http://maderathera.com)

**MAKO Genomics (Raleigh)**, a division of MAKO Medical, provides nucleic acid isolation, sample preparation, qPCR, next-generation sequencing and bioinformatics services for academic and clinical researchers.

[makomedical.com/clinicaltrials](http://makomedical.com/clinicaltrials)

**Maku Technologies Inc. (Durham)** is developing technology to synthesize a wide variety of rare natural cannabinoids derived from hemp.

[makutechnologies.com](http://makutechnologies.com)

**Mallinckrodt Pharmaceuticals (Raleigh)** manufactures acetaminophen, the active ingredient in Tylenol, at its pharmaceutical facility in Raleigh.

[mallinckrodt.com](http://mallinckrodt.com)

**MARBIONC Development Group LLC (Wilmington)** is a nonprofit organization that develops and markets new products and technologies derived from marine and aquatic organisms.

[marbionc.org](http://marbionc.org)

**Marble Labs LLC (Winston-Salem)** provides contract testing, process development, laboratory services and FDA and international regulatory expertise to biotechnology companies.

**Marius Pharmaceuticals LLC (Raleigh)** develops therapeutic treatments, with a focus on oral testosterone replacement therapies for adult men symptomatic of hypogonadism.

[mariuspharma.com](http://mariuspharma.com)

**Mastzellen Bio Inc. (Research Triangle Park)** is developing therapeutics to treat diseases and disorders with mast cell involvement.

💰 Received NCBiotech investment

**Maverick Synfuels (Research Triangle Park)** converts biomass, municipal waste and natural gas into petroleum-free fuels and chemicals.

[mavericksynfuels.com](http://mavericksynfuels.com)

**Mayne Pharma USA (Raleigh and Greenville)** manufactures oral and topical dosage branded and generic pharmaceuticals. Mayne Pharma also provides contract development and manufacturing services. Mayne Pharma's U.S. headquarters is in Raleigh. The Greenville site is Mayne Pharma's U.S. development and manufacturing facility.

[maynepharma.com](http://maynepharma.com)

**MD Scientific LLC (Charlotte)** developed the EndoTool Glucose Management System and is currently developing a drug to prevent kidney and heart injury from iodinated contrast agents.

[mdscientific.com](http://mdscientific.com)

**MDxHealth Inc. (Hillsborough)** develops epigenetic technologies to personalize the diagnosis and treatment of cancer.

[mdxhealth.com](http://mdxhealth.com)

**MED-EL Corporation USA (Durham)** researches and develops cochlear implant technology. The Durham location manufactures cochlear implants and is also the North American headquarters.

[medel.com/us](http://medel.com/us)

**Medicago USA Inc. (Durham)** develops vaccines based on proprietary manufacturing technologies and virus-like particles. The vaccines are manufactured using a transient protein expression system in *Nicotiana benthamiana*, a close relative of tobacco.

[medicago.com](http://medicago.com)

**Medical Murray (Charlotte)** is a contract developer and manufacturer of medical devices with a focus on minimally invasive systems, permanent implants, injection molding and specialty materials (e.g. bioabsorbables and nitinol).

[medicalmurray.com](http://medicalmurray.com)

**MedKoo Biosciences Inc. (Morrisville)** supplies drug substances and bioactive molecules for life-science and biomedical study.

[medkoo.com](http://medkoo.com)

**MedPharm (Durham)** provides contract topical and transdermal product research and development.

[medpharm.com](http://medpharm.com)

**MEDTOX Diagnostics Inc. (Burlington)** manufactures and distributes instant drugs of abuse testing devices for use by the government, hospital and medical centers and workplace markets. 💰

[medtoxdiagnostics.com](http://medtoxdiagnostics.com)

**Merakris Therapeutics LLC (Research Triangle Park)** develops biotherapeutic technologies derived from stem cells that promote homeostasis in damaged tissue.

[merakris.com](http://merakris.com)

**Merck & Co. Inc. (Durham and Wilson)** manufactures elements of Varivax, a chicken pox vaccine, and other vaccine products at its Durham facility. Merck's Wilson facility produces patented prescription products and performs granulation and tableting operations.

[merck.com](http://merck.com)

**Meridian Laboratory Corp. (Charlotte)** provides CLIA-certified and COLA-accredited patient testing services, as well as testing of water quality for use in dialysis.

[meridianlaboratory.com](http://meridianlaboratory.com)

**Meryx Inc. (Chapel Hill)** is developing small-molecule, orally bioavailable RTK inhibitors that inhibit growth and initiate anti-tumor immunity in hematologic and solid malignancies.

[meryxpharma.com](http://meryxpharma.com)

**Merz North America Inc. (Raleigh)** develops and commercializes treatment solutions in aesthetics and neurosciences.

[merzusa.com](http://merzusa.com)

**Metabolon Inc. (Morrisville)** is advancing the science of metabolomics for the clinic and life sciences research. Its technology and data are used for biomarker discovery, diagnostic test development, and genomics and population health initiatives.

[metabolon.com](http://metabolon.com)

**Metalytics** (*Morrisville*) develops software technologies and provides sample analysis services to assess cellular metabolism to optimize cell-based manufacturing of biochemicals, drugs and foods.

[metalytics.bio](http://metalytics.bio)

**Micell Technologies Inc.** (*Durham*)

develops combination-product therapies for interventional cardiology. Micell markets MiStent, a drug-eluting stent, in Europe and certain other regions.

[micell.com](http://micell.com)

**Microbac Laboratories Inc.** (*Wilson and Fayetteville*)

offers chemical and microbiological testing services for the agrochemical, pharmaceutical, tobacco and consumer products industries at its GMP-compliant, ISO 17025 accredited (A2LA) laboratory in Wilson. Microbac offers microbiological testing and sampling services for wastewater, environmental and food safety purposes at its laboratory in Fayetteville.

[microbac.com](http://microbac.com)

**Microban International Ltd.** (*Huntersville*)

develops and manufactures antimicrobial, odor control and surface modification technologies used in consumer and industrial products. Microban's BBI Test Labs also provides contract microbiological testing services.

[microban.com](http://microban.com)

**MicroElastic Ultrasound Systems Inc.**

(*Durham*) is developing a portable platform for tissue elasticity measurement at the point of care. 💰

[microelastic.com](http://microelastic.com)

**Micropore Technologies Inc.** (*Morrisville*)

provides particle emulsification and encapsulation equipment, manufacturing and consulting for industries including pharmaceuticals, nutraceuticals, agrochemicals and food products.

[micropore.co.uk](http://micropore.co.uk)

**Midnight Pharma LLC** (*Morrisville*)

is developing a treatment for insomnia.

**Migraine Solutions LLC** (*Asheville*)

is developing Relaspen, an intra-nasal medical device which applies lidocaine directly to the SPG (Sphenopataline Ganglion) nerve, reducing migraines.

[relaspen.com](http://relaspen.com)

**Milestone Pharmaceuticals USA Inc.**

(*Charlotte*) is developing an investigational new drug intended to provide rapid-onset and short-acting treatment of paroxysmal supraventricular tachycardia episodes and other episodic conditions.

[milestonepharma.com](http://milestonepharma.com)

**Mimetics LLC** (*Durham*)

provides a suite of biocomputation algorithms for analyzing cellular-level networks from gene expression data. 💰

[mimeticsbiosci.com](http://mimeticsbiosci.com)

**Minu LLC** (*Chapel Hill*)

researches and develops ophthalmology products.

**Mirimichi Green Express LLC** (*Castle Hayne*)

manufactures nontoxic landscape products, including turf and tree care products, seed and soil enhancers and protectants and weed and grass control herbicides.

[mirimichigreen.com](http://mirimichigreen.com)

**Mispro Biotech Services Corp.** (*Research Triangle Park*)

offers biopharmaceutical and life sciences companies access to a vivarium research facility that includes comprehensive laboratory animal sciences services supporting early stage drug development.

[misprobiotech.com](http://misprobiotech.com)

**Mlinzi Biomedical** (*Raleigh*)

is developing and commercializing customizable, portable, 3D architected structures for rapid regeneration of affected tissue.

[mlinzi.com](http://mlinzi.com)

**MOLTOX** (*Boone*)

manufactures products used in mutagenicity testing and human risk assessment, as well as prepared bacteriological media including nutrient, selective and enrichment media used in industrial, environmental and molecular microbiology.

[moltox.com](http://moltox.com)

**Momentum Research Inc.** (*Durham*)

manages and directs Phase 1 through 4 clinical research projects and specializes in cardiovascular clinical trials management.

[momentum-research.com](http://momentum-research.com)

**MonomerChem Inc.** (*Durham*)

provides contract drug development services, including custom synthesis, medicinal chemistry, lead optimization and synthesis of reference standards and metabolites.

[customsynthesis.com](http://customsynthesis.com)

**MoyoMedical Technologies Inc.** (*Chapel Hill*)

develops home-based early detection tests for pregnancy complications like preeclampsia and eclampsia for use in low-resource settings.

[moyomedical.com](http://moyomedical.com)



HIPP ENGINEERING  
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*HIPP Engineering & Consulting specializes in biopharmaceutical technology transfer, process scale-up, laboratories and facility design for cGMP driven fields. We provide master planning, A&E design, project delivery and workforce solutions for FDA & EMA regulated industries. Our workforce solutions division provides clients with flexible project based engineering resources.*

**Mucodel Pharma LLC (Greensboro)**

develops technologies for enhancing drug delivery via mucosal routes of administration. Its first candidate is a buccal gel for pain treatment and emergency treatment of opioid overdose.

[nasobain.com](http://nasobain.com)

**Mucommune LLC (Carrboro)**

researches improved protection against infectious diseases transmitted at mucosal surfaces. Mucommune's current focus is a method to prevent sexually transmitted infections using monoclonal antibodies encapsulated in a polymeric capsule.

**Mycorrhiza Biotech LLC (Burlington)**

develops products and services to improve plant production. It specializes in fungi and allied organisms for diverse applications in agri-business.

[mycorrhizabiotech.com](http://mycorrhizabiotech.com)

**Mycosynthetix Inc. (Hillsborough)**

manages a large collection of fungal isolates and discovers novel fungal metabolites for human and animal health and compounds for agricultural applications.

[mycosynthetix.com](http://mycosynthetix.com)

**Mycovia Pharmaceuticals Inc. (Durham)**

is developing therapies to treat yeast and fungal infections.

[mycovia.com](http://mycovia.com)

**NanoCor Therapeutics Inc. (Research Triangle Park)**

develops an intracellular genetic protein therapy to treat chronic heart failure.

[nanocortherapeutics.com](http://nanocortherapeutics.com)

**NanoDiagnostic Technology LLC**

(Charlotte) develops nanotechnology-based portable analytical devices for on-site rapid and sensitive detection of toxic chemical exposure and diseases at the point of care.

**NanoMedica LLC (Winston-Salem)**

provides ultrasensitive detection reagents and nanotechnology-based drug discovery services and tools to biopharmaceutical companies as well as DNA and RNA sequencing services.

[nanomedica.com](http://nanomedica.com)

**Natland International Corp. (Morrisville)**

provides contract research synthesis of pharmaceuticals and custom organic chemicals.

[natland.com](http://natland.com)

**Natural Discoveries Inc. (Winston-Salem)**

identifies novel compounds and medicinal plants from remote areas. NDI's library of natural products is researched for potential development and marketing in the pharmaceutical, agricultural and natural products industries.

[natdiscov.com](http://natdiscov.com)

**Natures Crops International (Winston-Salem)**

is a vertically integrated natural products ingredients business supplying plant-derived ingredients from biodiverse and specialty crops to the dietary supplement, personal care and specialty nutrition industries.

[naturescrops.com](http://naturescrops.com)

**Nelum Corp. (Research Triangle Park)**

is developing first-in-class and best-in-class patented drugs through an in-license process. The company's main area of research is pancreatic cancer.

**NeuroPro Therapeutics Inc. (Bahama)**

is developing new drugs to treat epilepsy and other CNS disorders.

**NeuroTronik Inc. (Durham)**

develops medical technology to treat acute heart failure syndrome.

**Nexgen Biosciences (Raleigh)**

is developing next-generation anti-infective therapeutics effective against antibiotic-resistant strains of micro-organisms.


[nexgen-bio.com](http://nexgen-bio.com)

**Nicox Ophthalmics (Research Triangle Park)**

develops a nitric oxide-donating research platform and products to help maintain vision and improve ocular health.

[nicox.com](http://nicox.com)

**NIRvana Sciences Inc. (Research Triangle Park)**

is commercializing red and near-infrared fluorescent dyes for use in diagnostics and imaging applications. 

[nirvanasciences.com](http://nirvanasciences.com)

**Nitta Gelatin NA Inc. (Morrisville and Fayetteville)**

manufactures food, pharmaceutical and technical gelatin and is the maker of beMatrix Low Endotoxin Gelatin. beMatrix is used in the fields of regenerative medicine, medical devices and scientific research. Nitta Gelatin's Fayetteville plant produces 3,000 tons of pharmaceutical and food-grade gelatins per year.

[nitta-gelatin.com](http://nitta-gelatin.com)

**NoA Foodtech (Research Triangle Park)**

is a food-tech company developing innovative non-animal proteins as meat replacement products.

[noa-foodtech.com](http://noa-foodtech.com)

**Mispro**  
Biotech Services

[bglenccross@mispro.com](mailto:bglenccross@mispro.com) | (978) 727-7201 | [misprobiotech.com](http://misprobiotech.com)

Mispro Biotech Services offers the North Carolina life sciences community access to a coworking vivarium research facility that is available to organizations of all sizes for in vivo pharmacology and drug development studies.



**Noah's Inc. (Charlotte)** develops algal growth systems and cultivates algal biomass for the manufacture of protein, astaxanthin and other derivatives for use as nutraceutical ingredients in food and beverage industries, and for commercial fish/animal feed industries.  
[noahsinc.com](http://noahsinc.com)

**Nocturnal Product Development LLC (Durham)** provides contract design and development services for Class II and Class III medical devices. The company is also developing an ablation catheter that enables real-time visualization of ablated cardiac tissue.  
[nocturnalpd.com](http://nocturnalpd.com)

**North Carolina Clinical Research (Raleigh)** conducts Phase 1 through 4 trials at its outpatient clinical research facility. Study indications include allergy (seasonal and perennial), asthma, COPD, vaccine, migraine and bioequivalent studies.  
[nccr.com](http://nccr.com)

**North Carolina Puerto Rico Microbiology Laboratory (Lincolnton)** offers microbiology testing services for the indoor air quality and wood products industries. Services include fungal and bacterial identification and product decay resistance characterization.  
[ncmlab.com](http://ncmlab.com)

**NovaCyte LLC (Winston-Salem)** isolates cells from donor corneas to grow replacement corneal tissue on a scaffold as a bioengineered equivalent to the current standard of care.  
[novacytellc.com](http://novacytellc.com)

**Novan Inc. (Morrisville)** develops therapies for dermatological conditions, women's health and gastrointestinal disease using its nitric oxide-releasing technology.  
[novan.com](http://novan.com)

**NovaTarg Inc. (Research Triangle Park)** discovers and develops new medicines to treat metabolic diseases and cancer. 💰  
[novatargtherapeutics.com](http://novatargtherapeutics.com)

**Novex Innovations LLC (Winston-Salem)** is a contract development and manufacturing organization supporting small and startup life science companies in the development of their products, from concept through manufacturing and commercialization.  
[novexinnovations.com](http://novexinnovations.com)

**Novo Nordisk Pharmaceutical Industries LP (Clayton and Durham)** manufactures insulin, GLP-1 products and prefilled delivery devices to treat diabetes. An API facility is presently under construction in Clayton adjacent to the existing manufacturing site. Novo Nordisk's site in Durham will manufacture oral diabetes tablets.  
[novonordisk.us](http://novonordisk.us)

**Novozymes BioAg (Morrisville)** develops microbial-based biofertility, biocontrol and bioyield enhancer products for agriculture. The Morrisville site focuses on fermentation and production technology.  
[novozymes.com](http://novozymes.com)

**Novozymes North America Inc. (Franklinton)** researches, develops and manufactures enzymes, microorganisms and biopharmaceutical ingredients used in industries including agriculture, baking, biofuels, brewing, detergents, food, feed and textiles.  
[novozymes.com](http://novozymes.com)

**Nu Chemie LLC (Charlotte)** is developing and commercializing nanomaterials for drug delivery and water soluble and traceable bioconjugation reagents. NuChemie also provides custom synthesis services.  
[nuchemie.com](http://nuchemie.com)

**NuBioPharma LLC (Sanford)** develops and formulates novel liquid medications with child-friendly flavors for debilitating orphan diseases. Therapeutic areas include gout, pulmonary arterial hypertension and thrombocytopenia.  
[nubiopharma.com](http://nubiopharma.com)

**Nufarm Americas Inc. (Morrisville)** manufactures and markets insecticides, fungicides, plant growth regulators and herbicides. This site serves as Nufarm's primary research and development facility in the United States.  
[nufarm.com](http://nufarm.com)

**NuPulseCV (Raleigh)** is developing an implantable cardiovascular left ventricular assist device to treat people suffering from congestive heart failure.  
[nupulsecv.com](http://nupulsecv.com)

**Nutra-Pharma Manufacturing Corp. of N.C. (Lexington)** manufactures vitamins, supplements and other wellness products.

**OCP North America Inc. (Research Triangle Park)** provides innovation research, commercial and business development functions for its parent company, OCP Group, which develops, manufactures, markets and distributes phosphate-based plant nutrition products.  
[ocpgroup.ma/en](http://ocpgroup.ma/en)

**OncoTAB Inc. (Charlotte)** develops and commercializes diagnostic blood tests designed to detect breast cancer and develops an immunotherapy to treat pancreatic cancer. 💰  
[oncotab.com](http://oncotab.com)

**OncoTrap Inc. (Research Triangle Park)** is developing a nucleic acid delivery platform for accommodating nucleic acid-based therapeutics, designed to deliver therapeutic genes to tumor sites.  
[oncotrap.com](http://oncotrap.com)

**OnSite Remediation LLC (Cary)** develops and uses naturally occurring microbes, mechanical separators, coalescing units and filtration systems for the removal of contaminants from water and soil.

**OpAns LLC (Durham)** provides analytical services to support discovery, preclinical, toxicology and clinical studies.  
[opans.com](http://opans.com)

**Oriel Therapeutics Inc., a Sandoz company (Durham)** develops respiratory products as generic alternatives to patented drugs for asthma and COPD. It also develops and commercializes pre-metered unit and multi-dose dry powder delivery systems.  
[us.sandoz.com](http://us.sandoz.com)

**Ortho Dermatologics (Raleigh)**, manages and markets Bausch Health's prescription dermatology portfolio, which includes acne, anti-fungal and anti-infective products.  
[ortho-dermatologics.com](http://ortho-dermatologics.com)

**Osmotica Pharmaceutical Corp. (Wilmington)** specializes in drug-delivery technologies and neurology-based therapies, including a treatment for Parkinson's disease.  
[osmotica.com](http://osmotica.com)

**Pace Analytical Services Inc.** (*Raleigh, Asheville, Huntersville and Eden*) provides environmental testing services and field sampling services, specializing in bioassay and wastewater wet chemistry testing.  
[pacelabs.com](http://pacelabs.com)

**Pairwise** (*Durham*) develops new varieties of crops by developing genome editing tools, leveraging plants' natural genetic diversity, and creating partnerships and collaborations with agriculture companies.  
[pairwise.com](http://pairwise.com)

**Panaceutics Inc.** (*Research Triangle Park*) creates and sells customized nutritional supplement formulas in personalized pouches. 💰  
[panaceutics.com](http://panaceutics.com)

**Panacise Bio Inc.** (*Chapel Hill*) researches cell signaling pathways and develops CAR-T applications using molecular evolution techniques associated with targeting ligands and mRNA display technology.

**Parexel International Corp.** (*Durham*) provides drug-development and launch services, including clinical development, integrated advanced technologies, regulatory affairs consulting and commercialization services.  
[parexel.com](http://parexel.com)

**Parion Sciences Inc.** (*Durham*) develops therapies to treat defects of the innate mucosal defense system in respiratory and ophthalmology diseases.  
[parion.com](http://parion.com)

**Path BioAnalytics Inc.** (*Durham*) is a precision medicine company dedicated to the advancement of next-generation of treatments for individuals living with respiratory disease.  
[pathbioanalytics.com](http://pathbioanalytics.com)

**Pathfinder Pharmaceuticals Inc.** (*Durham*) specializes in early stage drug discovery with a focus on cancer therapy.  
[pathfinderpharma.com](http://pathfinderpharma.com)

**Pearl Therapeutics Inc.** (*Durham*), a subsidiary of AstraZeneca, develops combination therapies and formulations of inhaled drugs for chronic respiratory diseases such as asthma and COPD.  
[astrazeneca.com/our-focus-areas/pearl-therapeutics.html](http://astrazeneca.com/our-focus-areas/pearl-therapeutics.html)

**Pfizer Inc.** (*Sanford, Rocky Mount and Morrisville*) develops and manufactures medicines and vaccines for a wide range of medical conditions. Pfizer's Sanford facility manufactures clinical trial and commercial materials for conjugate vaccines and gene therapies. Pfizer's Rocky Mount facility manufactures injectable hospital products. The facility also provides contract manufacturing services such as aseptic filling, lyophilization and terminal sterilization. Pfizer develops bioreactors for large-scale manufacturing of gene therapies at the Morrisville location.  
[pfizer.com](http://pfizer.com)

**PharmaDirections Inc.** (*Cary*) provides virtual drug development services with primary competencies including discovery, formulation, CMC, DMPK, toxicology, regulatory and global project management across all functions.  
[pharmadirections.com](http://pharmadirections.com)

**PharmAgra Labs Inc.** (*Brevard*) conducts contract research and development in organic chemistry for industries including pharma/biotech and electronics. PharmAgra also offers cGMP services including clinical trial materials supply and low-volume API manufacturing.  
[pharmagra.com](http://pharmagra.com)

**PharmaMountain Inc.** (*Chapel Hill*) delivers pharmaceutical intermediates, APIs and antibodies from lab to industrial scale.  
[pharmamountain.com](http://pharmamountain.com)

**Pharmgate Animal Health LLC** (*Wilmington*) develops and markets medicines and vaccines for the control of disease in livestock and poultry in North America.  
[pharmgate.com](http://pharmgate.com)

**Pharm-Olam International LLC** (*Research Triangle Park*) provides Phase 1 through 4 clinical research services to the pharmaceutical, biotech and medical device industries.  
[pharm-olam.com](http://pharm-olam.com)

**Phenogen Sciences Inc.** (*Charlotte*) provides predictive testing and risk assessment tools that help physicians proactively manage patient health.  
[phenogensciences.com](http://phenogensciences.com)

**Phitonex Inc.** (*Durham*) has developed a platform which deterministically engineers optical properties to provide high-resolution analysis of single cells by flow cytometry and other potential future applications.  
[phitonex.com](http://phitonex.com)

**Phoenix Cardiac Devices Inc.** (*Cary*) is designing and developing a cardiac device to treat functional mitral valve regurgitation.  
[phoenixcardiac.com](http://phoenixcardiac.com)

**PhosphoGam Inc.** (*Durham*) is developing allogeneic cell immunotherapies using gamma/delta T cells to treat a variety of cancers. 💰

**PhotonMD Inc.** (*Durham*) is developing photomedicine devices for aesthetic applications, treatment of chronic autoimmune and inflammatory diseases and eradication of MDR bacteria and HPV.  
[photonmd.com](http://photonmd.com)

**Physcient Inc.** (*Durham*) develops new surgical tools designed to decrease tissue damage. Physcient is developing a dissector that differentiates between tissue types for laparoscopic, thoracic, endoscopic, plastic and general surgery. 💰  
[physcient.com](http://physcient.com)

**Phytobiotics North America LLC** (*Cary*) produces and distributes botanical and phytogetic supplements and flavors for plant and animal nutrition. Additionally, Phytobiotics provides consultative services focused on intestinal health and increased nutrient bioavailability.  
[phytobiotics.com](http://phytobiotics.com)

**Phytonix Corp.** (*Black Mountain*) develops and commercializes technologies and production processes that photosynthetically convert CO<sub>2</sub>, with solar energy and water, into low-cost solar chemicals and fuels such as butanols and octonols.  
[phytonix.com](http://phytonix.com)

**PhytoPharmacon Inc. (Garner)** offers high-throughput screening, lab and pilot scale extract processing, downstream lead processing and purification and full-scale supply of natural products for the food, nutraceutical, cosmetic and pharma research and industries.

[phytopharmacon.com](http://phytopharmacon.com)

**Piedmont Animal Health Inc. (Greensboro)** develops, licenses and markets animal health therapeutics with a focus on major companion animal categories. 💰

[piedmontanimalhealth.com](http://piedmontanimalhealth.com)

**Piedmont BioMed Inc. (Durham)** designs implantable biosensors for various clinical, medical and surgical applications.

[piedmontbiomed.com](http://piedmontbiomed.com)

**Pinnacle Hill LLC (Chapel Hill)**, a joint venture of UNC and Deerfield Management, aims to discover and develop new drugs and therapies for unmet needs.

[pinnacle-hill.com](http://pinnacle-hill.com)

**Pique Therapeutics Inc. (Durham)** develops therapeutic vaccines to treat cancer.

[piquetherapeutics.com](http://piquetherapeutics.com)

**Pisgah Labs Inc. (Pisgah Forest)** manufactures active pharmaceutical ingredients on a contract basis. Pisgah Labs' cGMP facility includes an aseptic manufacturing suite.

**Plakous Therapeutics LLC (Winston-Salem)** is developing biotherapeutics from post-delivery placenta to promote regenerative healing for osteoarthritis, necrotizing enterocolitis, wound healing and tissue engraftment.

[plakoustherapeutics.com](http://plakoustherapeutics.com)

**Plant Health Care Inc. (Raleigh)** develops and provides novel biological products and technologies to promote plant health and increase crop yields.

[planthealthcare.com](http://planthealthcare.com)

**PlantResponse Biotech Inc. (Durham)** is a plant biotechnology company specializing in plant innate immunity, plant physiology, and nutrient use efficiency.

[plantresponse.com](http://plantresponse.com)

**Plureon Corp. (Winston-Salem)** develops a technology platform based on pluripotent stem cells extracted from amniotic fluid and placenta. These cells may be used in regenerative medicine and other therapies.

**Polarean Inc. (Durham)** designs and manufactures equipment for production of hyperpolarized xenon or helium gas for use in MRI. Investigational uses include identifying early diagnoses of respiratory diseases as well as monitoring progression and therapeutic response. 💰

[polarean.com](http://polarean.com)

**Polyzen Inc. (Apex)** is a contract manufacturer that designs, develops, and manufactures polymer-based medical devices. Polyzen has polymer processing capabilities for prototyping and volume production.

[polyzen.com](http://polyzen.com)

**Powered Research LLC (Research Triangle Park)** provides contract research services to life sciences companies using both established and novel nonclinical models.

[poweredresearch.com](http://poweredresearch.com)

**PPD (Wilmington and Morrisville)**, a global contract research organization, provides comprehensive, integrated drug development, laboratory and lifecycle management services to pharmaceutical, biotechnology, medical device, academic and government organizations.

[ppdi.com](http://ppdi.com)

**PRA Health Sciences (Raleigh)** provides clinical research and trial services for all phases of clinical development.

[prahealth.com](http://prahealth.com)

**Praetego Inc. (Durham)** is developing technology to protect against the pathology of oxidative stress. Targets include acute kidney injury, traumatic brain injury and diabetic complications.

[praetego.com](http://praetego.com)

**Precise Bio Inc. (Winston-Salem)** grows live and vital complicated organs for transplant using 3D bio-printing.

[precise-bio.com](http://precise-bio.com)

**Precision BioSciences Inc. (Durham and Research Triangle Park)** utilizes a proprietary genome editing method called ARCUS to treat cancers and genetic diseases and enable the development of safer, more productive food sources. The company's Manufacturing Center for Advanced Therapeutics facility produces genome-edited, off-the-shelf CAR T cell therapy products.

[precisionbiosciences.com](http://precisionbiosciences.com)

**Premier Research (Research Triangle Park)** provides clinical development services for biotech and specialty pharma companies, with a focus on analgesia, CNS, medical device, oncology, pediatric and rare disease research.

[premier-research.com](http://premier-research.com)

**Princeton Laboratories (Charlotte)** manufactures generic pharmaceuticals.

[princetonpharm.com](http://princetonpharm.com)

**Procter & Gamble (Greensboro)** manufactures Vicks and other over-the-counter products at this facility.

[pg.com](http://pg.com)

**Promethera Biosciences LLC (Durham)** develops, produces and markets cell therapeutic products, including human liver cells, to treat liver diseases.

[promethera.com](http://promethera.com)

**PSI CRO (Research Triangle Park)** offers full-service contract research services supporting Phase 1 through 4 clinical trials globally across multiple therapeutic areas.

[psi-cro.com](http://psi-cro.com)

**Pulmonix LLC (Greensboro)** conducts Phase 2 to 4 clinical trials in pulmonary, asthma, sleep and critical care medicine.

[pulmonix.com](http://pulmonix.com)

**Purdue Pharmaceuticals LP (Wilson)** develops and provides prescription medicines to treat pain. The Wilson plant manufactures, packages and distributes oral solid-dose tablets and is the company's distribution center for prescription products.

[purduepharma.com](http://purduepharma.com)

**Q<sup>2</sup> Solutions (Morrisville)** is a global clinical trial laboratory services leader that provides secure, enterprise-wide biospecimen and consent management solutions.

[q2labsolutions.com](http://q2labsolutions.com)



**Qatch Technologies LLC (Durham)**

develops microfluidic instrumentation that prescreens injectability and manufacturability of biopharmaceutical drug to de-risk the preclinical phase in the drug development process.

[qatchtech.com](http://qatchtech.com)

**QOL Medical LLC (Raleigh)** commercializes existing and complementary new orphan products for metabolic disease and pediatric gastroenterology.

[qolmed.com](http://qolmed.com)

**Qualicaps Inc. (Whitsett)** manufactures empty two-piece capsules (gelatin and hypromellose) and encapsulation equipment under cGMP regulations for use by pharmaceutical, OTC and dietary-supplement manufacturers.

[qualicaps.com](http://qualicaps.com)

**Quality Chemical Laboratories**

**(Wilmington)** offers both large and small molecule analytical and microbiological testing, including raw materials and finished products, stability storage & testing, method development/validation, formulation development and clinical manufacturing/packaging.

[qualitychemlabs.com](http://qualitychemlabs.com)

**Quanticision Diagnostics Inc. (Research Triangle Park)** measures tissue biomarkers for solid tumor diagnosis and supplies multi-unit plates for high-throughput immunoblot analysis.

[quanticisiondiagnostics.com](http://quanticisiondiagnostics.com)

**QuarTek Corp. (Asheboro)** develops nanotechnology processes with applications in antimicrobials, advanced textiles, nanosensors, diagnostics and biofuels. The company also provides accelerator services for startup nanotechnology companies.

[quartekcorp.com](http://quartekcorp.com)

**QuatroBio LLC (Morrisville)** provides oversight and strategic direction to several closely held drug development companies.

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### North Carolina Biotechnology Center

15 T.W. Alexander Drive | Post Office Box 13547 | Research Triangle Park, NC 27709-3547  
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Photos: NCBiotech/Jim Sink, Steve McCaw

**Qura Therapeutics LLC (Chapel Hill)** is discovering therapeutics for curing HIV/AIDS. Qura is a joint venture between GSK and UNC and provides financial, material and development support for the therapies that emerge from research at the UNC HIV Cure Center.

[hivcurecenter.web.unc.edu/qura-therapeutics](http://hivcurecenter.web.unc.edu/qura-therapeutics)

**R&S Chemicals Inc. (Kannapolis)** offers custom synthesis of organic chemicals, stable isotope labeled organic molecules and APIs, impurities identification and synthesis, medicinal chemistry and drug discovery services.

[randschemicals.com](http://randschemicals.com)

**Radiant Neurosciences LLC**

**(Durham)** develops medicines to treat neurodevelopmental disorders in children.

**Recipharm Laboratories Inc.** (*Morrisville*) provides product development and manufacturing services covering inhalation products, oral solids, steriles, semi-solids and API, as well as analytical services.  
[recipharm.com/locations/research-triangle-park](https://recipharm.com/locations/research-triangle-park)

**Redbud Labs** (*Research Triangle Park*) manufactures microfluidic components for the life science industry. Redbud's products improve the performance of microfluidic consumables in research, drug discovery and diagnostics. 💰  
[redbudlabs.com](https://redbudlabs.com)

**RedHill Biopharma Inc.** (*Raleigh*) develops and commercializes orally administered, small-molecule drugs for the treatment of gastrointestinal and inflammatory diseases, including cancer. Its Raleigh site is the company's U.S. commercial headquarters.  
[redhillbio.com](https://redhillbio.com)

**Regenerative Cell Solutions LLC** (*Winston-Salem*) develops tissue and organ regeneration applications for veterinary medicine, diagnostics and pharmaceutical research and development.

**Relion Manufacturing Inc.** (*Asheville*) provides contract manufacturing and packaging services for the pharmaceutical, medical device and personal care industries.  
[relioninc.com](https://relioninc.com)

**Renovion Inc.** (*Chapel Hill*) is developing therapies for chronic inflammatory airways diseases including lung transplant, cystic fibrosis and bronchiectasis.  
[renovion.com](https://renovion.com)

**Rescindo Therapeutics Inc.** (*Durham*) discovers novel therapeutic targets and drugs for human genetic disorders based on humanized zebrafish in vivo modeling.

**Research Triangle Park Laboratories Inc.** (*Raleigh*) provides contract analytical laboratory services for the environmental, pharmaceutical, biotechnology, dietary supplements and manufacturing industries. RTP Laboratories is a licensed controlled substance lab and NC Hemp Processor lab.  
[rtp-labs.com](https://rtp-labs.com)

**Resilient Biotics Inc.** (*Durham*) is developing microbiome-based live biotherapeutics to decrease or replace antibiotics in the animal health industry. Resilient has also developed a bioinformatics software platform for microbiome therapeutic discovery.  
[resilientbiotics.com](https://resilientbiotics.com)

**Resilio Therapeutics LLC** (*Research Triangle Park*) is developing treatments for neurodegenerative diseases such as Alzheimer's disease.  
[resiliotherapeutics.com](https://resiliotherapeutics.com)

**Resinnate Therapeutics LLC** (*Durham*) develops immunotherapies for combination with standard of care for treatment of difficult or chronic infection in patients with lung disease such as cystic fibrosis and other inflammatory or fibrotic disease.

**Reveris Therapeutics LLC** (*Chapel Hill*) develops novel therapeutics for triple negative breast cancer.  
[reveris.com](https://reveris.com)

**ReViral** (*Durham*) develops antiviral compounds that target respiratory syncytial virus.  
[reviral.co.uk](https://reviral.co.uk)

**Revivo Therapeutics Inc.** (*Durham*) is developing therapies for cognitive dysfunction and neuroprotection. 💰  
[revivotherapeutics.com](https://revivotherapeutics.com)

**RF Wastewater** (*Raleigh*) focuses on biological wastewater treatment, using lignocellulosic materials as biofilm media for activated sludge system retrofits and upgrades.  
[rfwastewater.com](https://rfwastewater.com)

**RFPI Inc.** (*Greenville*) is developing, manufacturing and marketing multi-spectral physiologic visualization technology that combines hardware and software to visualize and quantify blood flow in vessels, and perfusion in organs and tissues during surgery. 💰  
[rfpi-co.com](https://rfpi-co.com)

**Rheology Testing Services** (*Durham*) provides rheological analyses on solutions, suspensions, gels, creams, lotions, ointments and oils to support R&D and manufacturing in the pharmaceutical, biopharmaceutical, food, cosmetic and other industries.  
[rheologytestingservices.com](https://rheologytestingservices.com)

**Rho** (*Durham*) provides a full range of clinical development and contract research services to the biotechnology, pharmaceutical and medical device industries.  
[rhoworld.com](https://rhoworld.com)

**Ribometrix Inc.** (*Durham*) is a platform therapeutics company discovering small-molecule drugs that target functional RNA structures to create new avenues to treat human disease. 💰  
[ribometrix.com](https://ribometrix.com)

**RiboWiz Scientific Inc.** (*Raleigh*) uses a proprietary platform to offer customized software services and cloud-based subscription licensing to accurately predict and maximize protein production for life science companies.  
[ribowiz.com](https://ribowiz.com)

**Rilento Pharma LLC** (*Raleigh*) is an early stage drug delivery company developing non-addictive oral surgery pain management technologies that are synchronized with the biologic process of wound healing.  
[rilento.com](https://rilento.com)

**Roivant Sciences Inc.** (*Durham*) acquires drug candidates or partners with the biopharma industry to complete the clinical development of shelved product candidates. Therapeutic areas include neurology, dermatology, hepatology, oncology, endocrinology and rare disease.  
[roivant.com](https://roivant.com)

**RTI Health Solutions** (*Research Triangle Park*) is a nonprofit organization that provides biopharmaceutical and medical device companies with clinical research services and research and consulting in health economics, outcomes research, market access, epidemiology and drug safety.  
[rtihs.org](https://rtihs.org)

**RTI International** (*Research Triangle Park*), an independent, nonprofit institute, offers scientific and technical expertise in social and laboratory sciences, engineering and international development to government and commercial clients worldwide.

[rti.org](http://rti.org)

**RTI Surgical Inc.** (*Greenville*) develops and provides surgical implants, including biologic, metal and synthetic implants.

[rtix.com/en\\_us/](http://rtix.com/en_us/)

**RTP Genomics LLC** (*Chapel Hill*) uses next-generation DNA sequencing and proprietary algorithms, improving minimal residual disease detection in cancer survivors.

[rtpgenomics.com](http://rtpgenomics.com)

**Sagent Pharmaceuticals** (*Raleigh*) develops, manufactures, packages and markets pharmaceutical products with an emphasis on injectables. Sagent's Raleigh site produces sterile injectables and lyophilized formulations of biosimilars.

[sagentpharma.com](http://sagentpharma.com)

**Sandoz Inc., a Novartis Division** (*Wilson*), develops generic and biosimilar medicines. Its facility in Wilson manufactures oral-dosage generic pharmaceuticals.

[us.sandoz.com](http://us.sandoz.com)

**Sanesco International Inc.** (*Arden*) develops clinical tools for healthcare providers, such as neuroendocrine analytical testing, nutritional support formulas and patient-centered clinical review. The NeuroLab division conducts research and development of in vitro diagnostic tools.

[sanescohealth.com](http://sanescohealth.com)

**Sapere Bio Inc.** (*Research Triangle Park*) develops biomarkers of aging for clinical use to help physicians predict risk of chemotherapy-induced toxicities and surgery-associated adverse events in various patient groups.

[saperebio.com](http://saperebio.com)

**Satsuma Pharmaceuticals Inc.** (*Durham*) is developing best-in-class intranasal drug products to address the significant unmet medical needs of acute migraine sufferers.

[satsumarx.com](http://satsumarx.com)

**Scientific Analytical Institute Inc.** (*Greensboro*) conducts environmental, indoor air quality, forensic and materials testing.

[sailab.com](http://sailab.com)

**SciKon Innovation Inc.** (*Research Triangle Park*) creates life science products that replicate the performance of human organ systems using benchtop microfluidic devices. Products simulate pharmacokinetics to evaluate human responses to toxicants and drugs (exposure, metabolism, bioactivation). 💰

[scikoninnovation.com](http://scikoninnovation.com)

**Sciteck Inc.** (*Fletcher*) provides forensic drug testing services and diagnostic products. Sciteck develops, manufactures and sells products for biotechnology, urinalysis, clinical chemistry, toxicology, pharmaceuticals, treatment and safety applications.

[sciteck.org](http://sciteck.org)

**ScitoVation LLC** (*Durham*) supports and advances research on the effects of chemical compounds on human health. ScitoVation works with clients to develop safer pharmaceuticals, food ingredients, agricultural chemicals, commodity chemicals and consumer products.

[scitovation.com](http://scitovation.com)

**Seachaid Pharmaceuticals LLC** (*Mebane*) discovers and develops human therapeutics.

[seachaid.com](http://seachaid.com)

**SeaTox Research Inc.** (*Wilmington*) develops bioassays for the detection of marine toxins and conducts pharmaceutical development through bioprospecting.

[seatoxresearch.com](http://seatoxresearch.com)

**Select MultiGen Diagnostics LLC** (*Greensboro*) out-licenses molecular diagnostics platform technologies for cancer diagnosis and treatment.

[mutantdx.com](http://mutantdx.com)

**SenGenix Inc.** (*Durham*) develops point-of-care blood diagnostic tests using bioengineered fluorescently responsive sensors. Testing is done with a finger stick and results are available immediately.

[sengenix.com](http://sengenix.com)

**Sentiens LLC** (*Charlotte*) develops nutraceutical products targeting addictive behavior.

[sentiens.us](http://sentiens.us)

**Sentinel Biomedical Inc.** (*Raleigh*) develops and offers molecular diagnostics for the detection and monitoring of canine cancers. Sentinel also offers CRO services in the areas of molecular biology and genomics.

[sentinelbiomedical.com](http://sentinelbiomedical.com)

**SePRO Research & Technology Campus** (*Whitakers*) acquires, develops, manufactures and markets products for aquatics and horticulture. SePRO's research and technology campus in Whitakers is the primary research and development site for the company.

[sepro.com](http://sepro.com)

**Seqirus, a CSL Company** (*Holly Springs*) manufactures influenza vaccines using both egg-based and cell-based technologies.

[seqirus.com](http://seqirus.com)

**Serum Source International Inc.** (*Charlotte*) supplies animal serum for life science cell culture research, contract research laboratory use, bioprocessing and product development.

[serumsourceintl.com](http://serumsourceintl.com)

**Shattuck Labs Inc.** (*Durham*) is a preclinical-stage immunotherapy company focused on utilizing its proprietary ARC (Agonist Redirected Checkpoint) technology to develop novel treatments for use in cancer, inflammation and orphan disease.

[shattucklabs.com](http://shattucklabs.com)

**Shefabone Inc.** (*Charlotte*) is developing a resorbable bioactive bone graft material for use in dental and maxillofacial bone defects.

[shefabone.com](http://shefabone.com)

**Shoaf Scientific Consultants Inc.** (*Lexington*) provides research and development services in plant redox bioenergetics, antimicrobial surface technologies and molecular photochemical studies in singlet oxygen and superoxide-free radical anion as applied to aging.

[shoafbiochem.com](http://shoafbiochem.com)

**SIF Biopharma LLC** (*Chapel Hill*) develops new therapies in the areas of regenerative medicine and cancer.

[sifbiopharma.com](http://sifbiopharma.com)



**SiNON Therapeutics** (*Durham*) is developing technology to treat neurological diseases by increasing the ability of drugs to cross the blood-brain barrier.  
[sinontp.com](http://sinontp.com)

**Sipcam Agro USA Inc.** (*Durham*) develops and manufactures herbicides, pesticides, fungicides and biocides.  
[sipcamagrousa.com](http://sipcamagrousa.com)

**Smart Perfusion LLC** (*Denver*) is developing an organ perfusion device that extends the time an organ is viable ex vivo and that provides metrics to enable transplant professionals to assess organ viability.

**SmartFlow Technologies Inc.** (*Apex*) provides TFF filtration, separation and purification for the biotechnology, biopharmaceutical processing, biofuels, animal healthcare, dairy processing, enzyme manufacturing, food processing and wastewater industries.  
[smartflow-tech.com](http://smartflow-tech.com)

**Smithers** (*Snow Camp*) provides environmental testing services for the pharmaceutical, animal health, agriculture, and chemical industries. The laboratory in Snow Camp conducts avian testing.  
[smithers.com](http://smithers.com)

**SNP Therapeutics LLC** (*Kannapolis*) analyzes patients' genomes to identify genetic variants that cause disease and designs and evaluates personalized medical food preparations to treat metabolic disorders.  
[snpthera.com](http://snpthera.com)

**SoBran BioScience** (*Browns Summit*) conducts preclinical small- and large-animal contract research for academic, corporate and government clients. SoBran is GLP-compliant, AAALAC-accredited, OLAW-assured and ISO 9001:2008-certified.  
[sobranbioscience.com](http://sobranbioscience.com)

**Soil Health Institute** (*Morrisville*) conducts soil health research to develop soil health management practices and systems. SHI partners with stakeholders to advance soil health through policy guidance, education and other initiatives.  
[soilhealthinstitute.org](http://soilhealthinstitute.org)

**Solutex NA LLC** (*Winston-Salem*) makes highly refined omega-3 APIs for the pharmaceutical and nutritional markets. The Winston-Salem location is a sales and development office.  
[solutexcorp.com](http://solutexcorp.com)

**SonaCare Medical** (*Charlotte*) develops minimally invasive ultrasound technologies that ablate targeted soft tissue for the treatment of cancer.  
[sonacaremedical.com](http://sonacaremedical.com)

**SonoVascular Inc.** (*Chapel Hill*) is developing a thrombolysis device to treat blood clots related to deep vein thrombosis, pulmonary embolism and peripheral arterial occlusions.

**SonoVol Inc.** (*Durham*) is developing preclinical imaging technology that can be applied to the animal models that researchers use to evaluate the efficacy and toxicity of new drugs before they enter clinical trials.  
[sonovol.com](http://sonovol.com)

**Southcot Inc.** (*Research Triangle Park*) prepares biological agents for the detection of tissue hypoxia at the cell level in normal and malignant tissues.  
[hypoxyprobe.com](http://hypoxyprobe.com)

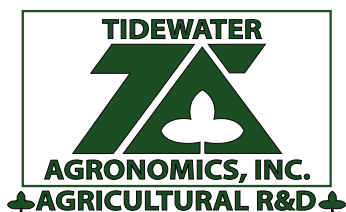
**Southeastern Laboratories Inc.** (*Goldsboro*) provides research and laboratory support to water and wastewater-treatment companies. SEL's analytical services include microbiological and chemical testing.  
[selaboratories.com](http://selaboratories.com)

**Southern Research - Clean Technology Development** (*Raleigh*) provides independent third-party evaluation of innovative clean technologies via ISO 14034 and research and analysis regarding sustainability impacts of clean technology.  
[southernresearch.org](http://southernresearch.org)

**SoyMeds Inc.** (*Charlotte*) uses soybeans as a host to develop protein-based targets that can be used to diagnose and treat disease. SoyMeds' lead candidates include thyroglobulin and autoimmune (MS and MG) antigens.  
[soymeds.net](http://soymeds.net)

**Spin-Darc LLC** (*Raleigh*) is developing a rapid digital microbiology testing device usable at point-of-care or in low-resource settings. Applications include infectious disease diagnostics, food testing and water testing.  
[spindarc.com](http://spindarc.com)

**Spirovention Inc.** (*Chapel Hill*) is a specialty CRO with a focus on the development of breakthrough drugs in respiratory medicine. Spirovention is non-profit, UNC-affiliated entity.  
[spirovention.com](http://spirovention.com)



[matt.winslow@tidewaterag.com](mailto:matt.winslow@tidewaterag.com) | (252) 312-8495 | [www.tidewaterag.com](http://www.tidewaterag.com)  
[stan@tidewaterag.com](mailto:stan@tidewaterag.com) | (252) 333-0212 | [www.tidewaterag.com](http://www.tidewaterag.com)

*Tidewater Agronomics, Inc. is an agricultural consulting & contract research firm specializing in: USDA regulated studies, GLP RAC & decline studies, pollinator toxicity studies, variety screenings, and efficacy trials focused on agronomics and product development in all major row crops and many specialty crops in Northeast NC and Southeast VA.*

**SpringWorks Therapeutics LLC** (*Durham*) develops standalone and combination therapies with a focus on rare diseases and oncology, including plexiform neurofibroma, desmoid tumors, RAS/RAF mutant solid tumors and CNS disorders. Its initial portfolio is from Pfizer.

[springworkstx.com](http://springworkstx.com)

**Sprout Pharmaceuticals Inc.** (*Raleigh*) has developed and markets a compound to treat hypoactive sexual desire disorder in women who have not gone through menopause.

[addyi.com](http://addyi.com)

**SPV Therapeutics Inc.** (*Research Triangle Park*) is developing small-molecule therapeutics to treat cancer.

**Stallergenes Greer** (*Lenoir*) develops and distributes animal and human allergy immunotherapy products and services.

[greerlabs.com](http://greerlabs.com)

**Standard Process Inc.** (*Kannapolis*) develops supplements for veterinary and human use. The Standard Process Center of Excellence focuses on innovation in nutritional therapy.

[standardprocess.com](http://standardprocess.com)

**Statera Environmental Inc.** (*Raleigh*) develops innovative environmental monitoring products and provides environmental technology consulting services.

[statera.org](http://statera.org)

**Sterigenics** (*Charlotte and Haw River*) provides gamma radiation sterilization for medical and pharmaceutical products. Sterigenics' EO facility in Charlotte provides ethylene oxide sterilization for medical and pharmaceutical products.

[sterigenics.com](http://sterigenics.com)

**Sterling Pharma USA LLC** (*Cary*) provides contract small molecule API development and manufacturing services to the global pharmaceutical industry.

[sterlingpharmasolutions.com](http://sterlingpharmasolutions.com)

**StrideBio Inc.** (*Research Triangle Park*) develops engineered viral vectors for gene therapy for the treatment of rare diseases. StrideBio's technology engine utilizes structure-inspired design to engineer AAV vectors which can escape pre-existing neutralizing antibodies.

[stridebio.com](http://stridebio.com)

**Structure Medical Inc.** (*Mooresville*) is a contract manufacturer of orthopedic medical devices, including implantable orthopedic fracture fixation and spinal instrumentation products.

[structuremedical.com](http://structuremedical.com)

**Stryker** (*Durham*) provides medical technology products with a focus in orthopaedics, neurotechnology and surgical devices. The Durham site developed and manufactures a surgical sealant device for use during cranial procedures.

[cmf.stryker.com/products/adheres](http://cmf.stryker.com/products/adheres)

**Sun Dance Genetics LLC** (*Durham*) has developed an improved and sustainable corn germplasm by transferring genes from a wild relative (gamagrass) into corn. It also developed high-sugar gamagrass for efficient bioenergy conversion.

**Sunday Therapeutics Inc.** (*Durham*) is developing a humanized monoclonal antibody to prevent chronic lung disease.

**Surgilum LLC** (*Wilmington*) designs, manufactures and markets medical instruments for use in cataract and refractive surgery. 💰

[surgilum.com](http://surgilum.com)

**Symberix Inc.** (*Durham*) is developing microbiome-targeted, small-molecule drugs to treat serious lower gastrointestinal (GI) diseases as well as mitigate the lower GI side effects associated with various cancer, pain and immunosuppressive therapies. 💰

[symberix.com](http://symberix.com)

**Symmetry Biosciences Inc.** (*Raleigh*) provides contract research, specialized chemistry services and bioanalytic services to the biotech, pharmaceutical, medical device, agrochemical and fine chemical industries.

[symmetrybiosciences.com](http://symmetrybiosciences.com)

**Symune Therapeutics LLC** (*Durham*) is a virtual biotechnology company developing SYM-001, an immunomodulatory composition for the prevention of influenza in healthy adults, as well as adults suffering from chronic lung disease. 💰

[symune.com](http://symune.com)

**Synapse Biosciences LLC** (*Raleigh*) develops biomarker preparations and customized assays for the diagnostic determination of medication compliance. Synapse also provides diagnostic testing services and reporting for medication compliance in clinical trials.

[synapsebiosciences.com](http://synapsebiosciences.com)

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**Synchrony Labs LLC** (*Durham*) is an AAALAC-accredited large-animal, preclinical contract research organization. It provides preclinical testing services, specializing in models for safety, toxicology and efficacy studies.

[synchronylabs.com](https://synchronylabs.com)

**Syneos Health** (*Morrisville and Wilmington*) provides clinical research and commercialization services across a variety of therapeutic areas.

[syneoshealth.com](https://syneoshealth.com)

**Syngenta Crop Protection LLC** (*Greensboro and Research Triangle Park*) works to increase plant yield by developing products for disease, insect and weed control and drought tolerance. The Greensboro site is the largest site in North America and performs crop protection product development. The Innovation Center in Research Triangle Park is the company's seeds center of excellence and includes the Advanced Crop Lab.

[syngenta-us.com](https://syngenta-us.com)

**SynShark LLC** (*Leland*) is developing a method for extracting squalene from tobacco. Squalene is a specialty chemical typically derived from shark livers used for vaccines and cosmetics. 💰

[synshark.com](https://synshark.com)

**Synteract Inc.** (*Morrisville*) provides customized, full-service Phase 1 through 4 clinical development services internationally across multiple therapeutic areas.

[synteract.com](https://synteract.com)

**Synthon Pharmaceuticals Inc.** (*Durham*) develops and manufactures generics, as well as specialty pharmaceuticals and biosimilars in key therapeutic areas of oncology and multiple sclerosis. The Durham location is a regulatory office.

[synthon.com](https://synthon.com)

**Synthonix Inc.** (*Wake Forest*) designs, manufactures and markets molecules to aid in drug discovery.

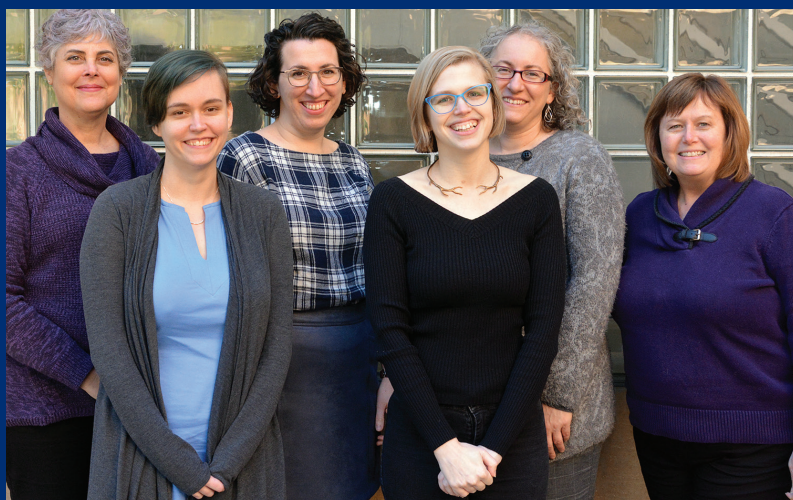
[synthonix.com](https://synthonix.com)

## Do you want to improve your company's competitive position?

The Life Science Intelligence group at NCBiotech specializes in the intersection of bioscience innovation and business. By delivering targeted market and scientific insight, we connect entrepreneurs and companies with the analysis and resources to make strategic decisions.

We work across sectors, from agriculture to biopharma, from devices to diagnostics, and with companies at all stages of growth. Whether you have questions about market trends, your competitors' R&D programs, or potential investors, Life Science Intelligence has the answers.

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15 T.W. Alexander Drive | Post Office Box 13547 | Research Triangle Park, NC 27709-3547  
direct: 919-541-8880

**T3D Therapeutics Inc.** (*Research Triangle Park*) is developing a disease-modifying drug therapy for Alzheimer's disease that may improve multiple disease defects. T3D is also targeting treatments for other neurodegenerative diseases including Huntington's disease. 💰

[t3dtherapeutics.com](https://t3dtherapeutics.com)

**TAB Clinical Trials Inc.** (*Cary*) provides global clinical trial support from pre-IND stage of development to postmarket approval for drugs and devices. TAB Clinical also provides drug safety and pharmacovigilance services in the U.S. and EU through a QPPV partner.

[tabclinical.com](https://tabclinical.com)

**Takeda Vaccines Inc.** (*Morrisville*) develops vaccines, including norovirus, dengue and seasonal influenza candidate vaccines. The Morrisville location is a manufacturing site.

[takeda.com](https://takeda.com)



**TARGET PharmaSolutions Inc. (Durham)** is a clinical data solutions company that provides pharmaceutical and biotechnology partners a more efficient way to generate and analyze data in a real-world setting.  
[targetpharmasolutions.com](http://targetpharmasolutions.com)

**TCRCure Biopharma Corp. (Durham)** discovers and develops novel therapeutic targets in the field of cancer immunotherapy.  
[en.tcrcure.com](http://en.tcrcure.com)

**Techverse Inc. (Cary)** provides contract chemistry and engineering R&D services for advanced energy technologies. Expertise includes membrane technologies for biotechnology applications; algae separation; and hydrogen generation, separation, storage and fuel cells.  
[techverseinc.com](http://techverseinc.com)

**Teleflex Medical (Morrisville)** designs, manufactures and distributes medical devices, surgical instruments and disposable medical products.  
[teleflex.com](http://teleflex.com)

**Tellus Therapeutics Inc. (Hillsborough)** is developing novel small molecules derived from human maternal breast milk to treat newborns with perinatal brain injury. 💰

**Tenax Therapeutics Inc. (Morrisville)** develops and commercializes pharmaceutical products for the critical-care market.  
[tenaxthera.com](http://tenaxthera.com)

**TEO Systems Inc. (Greenville)** develops and sells optical and electronic devices and systems, including a label-free flow cytometer instrument for rapid analysis of biological cells and small particles.

**Tergus Pharma LLC (Durham)** provides topical and semi-solid development, formulation, analysis and testing services, with expertise in IVRT method development. The company has cGMP manufacturing, Phase 1 through 4 clinical supplies and logistics capabilities.  
[terguspharma.com](http://terguspharma.com)

**TerMir Inc. (Raleigh)** is developing an antibacterial agent to treat invasive citrus greening disease in US citrus. The product can be applied via irrigation water or as a spray on foliage application.  
[termirsolutions.com](http://termirsolutions.com)

**Ternion Pharmaceuticals LLC (Cary)** is developing drugs for treatment of acute pain.

**TerraStar Energy (Lumberton)** provides turn-key systems to reduce waste and convert it to biogas, electricity, liquid fuels and solid and liquid fertilizers. Systems include anaerobic digestion, gasification, pyrolysis and boilers.  
[terrastarenergy.com](http://terrastarenergy.com)

**Tersus Environmental LLC (Wake Forest)** develops and markets technologies for the remediation of soil and groundwater. Services include aerobic bioremediation, bioaugmentation and cometabolic bioremediation.  
[tersusenv.com](http://tersusenv.com)

**Textile-Based Delivery Inc. (Conover)** develops and manufactures fabrics that integrate controlled release matrices, offering topical and transdermal dosing of active ingredients.  
[texdel.com](http://texdel.com)

**TheraBionic Inc. (Winston-Salem)** is developing treatment approaches for cancer based on the use of tumor-specific modulation frequencies, with an initial focus in hepatocellular carcinoma.  
[therabionic.com](http://therabionic.com)

**TheraDiag (Research Triangle Park)** develops and manufactures diagnostics that measure the efficiency of biotherapies in the treatment of autoimmune diseases and cancer.  
[theradiag.com/en](http://theradiag.com/en)

**TheraVida Inc. (Chapel Hill)** is developing a treatment for primary focal hyperhidrosis.  
[theravida.com](http://theravida.com)

**Therian Biotransformation Inc. (Durham)** is developing novel, recombinant bacterial species that can metabolize plastic waste into bio-tolerable or functional products.  
[therianbio.com](http://therianbio.com)

**Thermo Fisher Scientific (Greenville, Durham and High Point)** offers drug development and manufacturing services. Its Greenville site manufactures sterile injectables, tablets and capsules. It also offers stability storage and testing, and API and large-molecule development. The Durham site provides contract development and manufacturing services for solid and sterile dosage forms, including small-molecule API and biologic drug substances. The company's site in High Point manufactures soft gel capsules.  
[patheon.com](http://patheon.com)

**Tidewater Agronomics Inc. (Belvidere)** conducts USDA-regulated biotech crop trials, GLP trials in EPA Region 2, agronomic system development, efficacy trials on chemistry, fertilizers and crop cultivars, pollinator studies and provides crop consulting services.  
[tidewaterag.com](http://tidewaterag.com)

**TIRF Labs (Cary)** develops, manufactures and markets a broad range of products based on total internal reflection fluorescence (TIRF), including add-on TIRF accessories for microscopy and spectroscopy, TIRF biosensors and fluorescence illuminators.  
[turf-labs.com](http://turf-labs.com)

**Tisucor LLC (Durham)** develops and sells human allograft products, including demineralized cortical bone and amnion membranes.  
[tisucor.com](http://tisucor.com)

**Toxicology Services Inc. (Chapel Hill)** works with small and mid-sized pharmaceutical companies and CROs to plan, conduct and summarize toxicology studies, including safety pharmacology and PK/ADME studies.

**Trana Discovery Inc. (Cary)** provides an anti-infective discovery platform that enables its partners to identify novel treatments that possess pathogen-focused spectrums of activity for bacterial, viral and fungal infectious diseases in crops, animals and humans. 💰  
[tranadiscovery.com](http://tranadiscovery.com)

**TransEnterix Inc. (Morrisville)** develops and sells instruments and robotics for laparoscopic minimally invasive surgery.  
[transenterix.com](http://transenterix.com)

**TransViragen Inc.** (*Chapel Hill*) provides in vivo discovery research services, including the generation and analysis of genetically modified rodents and cell lines.  
[transviragen.com](http://transviragen.com)

**TregTherapeutics Inc.** (*Chapel Hill*) develops tolerogenic therapies to treat autoimmune disease. The company is currently developing a tolerogenic vaccine to eradicate multiple sclerosis. 💰  
[tregtherapeutics.com](http://tregtherapeutics.com)

**Triangle Biofuels Industries Inc.** (*Wilson*) makes biodiesel from vegetable oils obtained from domestic sources. Target markets are agricultural, marine, government and commercial customers.  
[trianglebiofuels.com](http://trianglebiofuels.com)

**Triangle Biotechnology Inc.** (*Chapel Hill*) develops sonication reagents that enable efficient acoustic processing of biological samples for next generation sequencing and epigenetic assays.  
[trianglebio.com](http://trianglebio.com)

**TriboFilm Research Inc.** (*Raleigh*) develops low-friction, thin-film coating and lubrication platforms for medical devices and for the aerospace and marine industries.  
[tribofilmresearch.com](http://tribofilmresearch.com)

**TRPblue Inc.** (*Research Triangle Park*) is developing novel topical small-molecule treatments for chemotherapeutic-induced hand and foot neuropathy and atopic dermatitis and chronic itch. 💰  
[olv.duke.edu/startups/trpblue](http://olv.duke.edu/startups/trpblue)

**Tryton Medical Inc.** (*Durham*) develops and sells stent systems to treat coronary artery bifurcation lesions.  
[trytonmedical.com/us/](http://trytonmedical.com/us/)

**Twin City Bio LLC** (*Winston-Salem*) manufactures cell therapy products that use a patient's own cells to restore damaged kidney tissues by engrafting into, repairing or replacing damaged tissues or organs.  
[twincitybio.com](http://twincitybio.com)

**TyraTech Inc.** (*Morrisville*) develops and commercializes insect and parasite protection products for animal markets without the use of synthetic pesticides.  
[tyratech.com](http://tyratech.com)

**Tyton NC Biofuels LLC** (*Raeford*) is a biorefinery that uses corn and energy tobacco as feedstock for ethanol production.  
[tytonbiofuels.com](http://tytonbiofuels.com)

**UCB Biosciences Inc.** (*Raleigh*) develops therapeutics to treat severe, life-threatening neurological and inflammatory diseases, including epilepsy, Parkinson's disease, rheumatoid arthritis, Crohn's disease, psoriatic arthritis, lupus and osteoporosis.  
[ucb-usa.com](http://ucb-usa.com)

**United Therapeutics Corp.** (*Research Triangle Park*) develops and commercializes products to treat cardiopulmonary diseases, infectious diseases and cancer.  
[unither.com](http://unither.com)

**UPL** (*Cary*) develops, manufactures and provides agricultural solutions for row and specialty crops, including crop protection chemicals and seed treatments.  
[uplonline.com](http://uplonline.com)

**Upstream Biotechnology Inc.** (*Durham*) uses patented technology to develop broad-spectrum disease-resistant crops to eliminate pesticide use, reduce production cost and increase crop yield.

**URO-1 Inc.** (*Winston-Salem*) develops solutions for office procedures for urologic health. Its first product, the Repris Bladder Injection System, is FDA cleared and clinically proven to significantly improve outcomes in women with overactive bladder. 💰  
[uro1medical.com](http://uro1medical.com)

**US Botanical Safety Laboratory** (*Candler*) provides natural products formulation and botanical ingredient analytical testing. USBSL is an FDA-registered laboratory operated by Bent Creek Institute and affiliated with the NC Arboretum Germplasm Repository.  
[botanical-safety.com](http://botanical-safety.com)

**UVision360 Inc.** (*Raleigh*) developed the LUMINELLE DTx Hysteroscopy System designed for the GYN office environment. 💰  
[uvision360.com](http://uvision360.com)

**ValanBio Therapeutics Inc.** (*Raleigh*) is an early stage anti-infectives company. ValanBio is developing novel antibiotics for Gram-negative organisms.

**Vascular BioSciences Inc.** (*Durham*) is a biopharmaceutical company developing solutions for difficult-to-treat cardiovascular and inflammatory diseases.  
[vascularbiosciences.com](http://vascularbiosciences.com)

**Vast Therapeutics** (*Durham*) uses a nitric oxide technology to treat cystic fibrosis and other respiratory diseases.  
[vasttherapeutics.com](http://vasttherapeutics.com)

**Velo Bio LLC** (*Morrisville*) is developing an orphan drug to treat severe preeclampsia in pregnant women.

**Veloxis Pharmaceuticals Inc.** (*Cary*) is focused on the commercialization of ENVARSUS XR (tacrolimus extended-release tablets) based upon the company's patented delivery technology, MeltDose.  
[veloxis.com](http://veloxis.com)

**Verdesian Life Sciences LLC** (*Cary*) develops agricultural products with a focus in plant health, inoculants, seed treatment and nutrition.  
[vlsci.com](http://vlsci.com)

**Verge Therapeutics** (*Durham*) develops therapeutics focused on metabolic syndrome including nonalcoholic fatty liver disease and nonalcoholic steatohepatitis.  
[vergetherapeutics.com](http://vergetherapeutics.com)

**VERINETICS** (*Research Triangle Park*) develops products to prevent counterfeiting of pharmaceuticals and other products, including both printed authentication and microparticle taggants. 💰  
[verinetics.com](http://verinetics.com)

**Vero Diagnostics LLC** (*Research Triangle Park*) offers tick-borne infectious disease testing, including its proprietary lab developed test.

**Vertellus Specialties Inc.** (*Greensboro*) manufactures specialty chemicals for the agriculture, nutrition, pharmaceutical, medical and personal care markets.  
[vertellus.com](http://vertellus.com)

**Vestaron Corp.** (*Durham*) develops and manufactures peptide-based biopesticides.  
[vestaron.com](http://vestaron.com)

**ViiV Healthcare** (*Research Triangle Park*), a joint venture established by GSK and Pfizer, researches and develops new HIV medicines and advances care for people living with HIV.  
[viivhealthcare.com/us](http://viivhealthcare.com/us)

**Vijaya Pharmaceuticals LLC** (*Research Triangle Park*) provides medicinal and synthetic organic chemistry services to the pharmaceutical and allied industries.  
[vijayapharma.com](http://vijayapharma.com)

**Villarix Therapeutics Inc.** (*Cary*) develops a medicine to treat vitiligo.

**ViraSource LLC** (*Durham*) propagates and purifies BSL-1, BSL-2 viruses and bacteriophages. ViraSource also provides virus modifications and animal models of viral infections and antiviral immune responses.  
[virasource.com](http://virasource.com)

**ViraTree LLC** (*Research Triangle Park*) acquires, authenticates, preserves, develops and distributes virological materials, information and technology for the advancement of virus research.  
[viratree.com](http://viratree.com)

**Vital Plan Inc.** (*Cary*) formulates and produces therapeutically dosed natural supplements and herbal therapies for managing fibromyalgia, Lyme disease, chronic fatigue and pain and hormonal imbalances.  
[vitalplan.com](http://vitalplan.com)

**Vitrise Therapeutics** (*Durham*) discovers and develops ocular therapeutics with the potential to address the underlying mechanisms of vision loss.  
[vitriseatherapeutics.com](http://vitriseatherapeutics.com)

**Vivelix Pharmaceuticals Corp.** (*Morrisville*) licenses, develops and commercializes gastroenterology and hepatology treatments.  
[vivelix.com](http://vivelix.com)

**VivImmune LLC** (*Cary*) is developing a chitosan-based delivery system for the local, sustained delivery of recombinant cytokines therapeutics to treat cancers.  
[vivimmune.com](http://vivimmune.com)

**Vizuri Health Sciences LLC** (*Pittsboro*) is developing treatments for chronic joint pain due to osteoarthritis and prostate cancer, as well as anti-viral products.  
[vizuriusa.com](http://vizuriusa.com)

**vTv Therapeutics LLC** (*High Point*) is developing orally administered small-molecule drug candidates to fill significant unmet medical needs in Alzheimer's disease, diabetes and inflammatory disorders.  
[vtvtherapeutics.com](http://vtvtherapeutics.com)

**Waters Agricultural Laboratories Inc.** (*Warsaw*) provides various testing services, including soil, plant and water analysis as well as microbiology, mycotoxin, aflatoxin and heavy metals detection.  
[watersag.com](http://watersag.com)

**West Pharmaceutical Services Inc.** (*Kinston*) manufactures packaging components and delivery systems for injectable drugs and healthcare products.  
[westpharma.com](http://westpharma.com)

**White Labs Inc.** (*Asheville*) provides yeast supplies, lab services and consulting to breweries, wineries and distilleries.  
[whitelabs.com](http://whitelabs.com)

**Wilmington Pharmaceuticals LLC** (*Wilmington*) develops fast-dissolving dosage forms for established medicines.  
[wilmingtonpharma.com](http://wilmingtonpharma.com)

**Worldwide Clinical Trials Inc.** (*Morrisville*) provides Phase 1 through 4 development services to the pharmaceutical and biotechnology industries.  
[worldwide.com](http://worldwide.com)

**Xenobiotic Detection Systems International Inc.** (*Durham*) offers patented bioassays to facilitate assessment of environmental and human health risks.  
[dioxins.com](http://dioxins.com)

**X-in8 Biologicals Corp.** (*Chapel Hill*) develops technologies to prevent and treat ischemia reperfusion injury in the context of organ transplant, myocardial infarction and stroke. 💰  
[x-in8.com](http://x-in8.com)

**Xollent Biotech Inc.** (*Cary*) is developing a therapeutic to treat cardiovascular disease based on exosome-secreting cells.

**Xona Microfluidics LLC** (*Research Triangle Park*) develops and manufactures microfluidic platforms for neuroscience research.  
[xonamicrofluidics.com](http://xonamicrofluidics.com)

**Xyzagen Inc.** (*Pittsboro*) is a full-service nonclinical discovery bioanalytical and in vivo pharmacokinetics and pharmacology research lab. Xyzagen offers drug development consulting, clinical pharmacokinetics and GLP toxicokinetics.  
[xyzagen.com](http://xyzagen.com)

**Zenalux Biomedical Inc.** (*Durham*) uses biophotonics to develop diagnostic tools, including an optical system for the clinical detection of cancer.  
[zenalux.com](http://zenalux.com)

**ZenBio Inc.** (*Research Triangle Park*) provides contract research services and human tissues and cells for drug discovery, especially in the area of human metabolic disease and dermatology. 💰  
[zen-bio.com](http://zen-bio.com)

**Zenomics Inc.** (*Durham*) is developing a microneedle transdermal patch technology for diabetes, which is able to sense blood glucose levels and respond with appropriate concentrations of insulin.  
[zenomicsbio.com](http://zenomicsbio.com)

**Zinfandel Pharmaceuticals Inc.** (*Chapel Hill*) uses pharmacogenetics to improve prediction of risk for Alzheimer's disease and facilitate the development of effective therapies.

**Zoetis Inc.** (*Durham*) develops and manufactures vaccines and medications for animal health. The Durham site develops and manufactures high-throughput automation biodevices for the poultry industry, including in ovo vaccination technology.  
[zoetis.com](http://zoetis.com)

**Zoion Pharma Inc.** (*Raleigh*) develops drugs for veterinary disorders. Zoion's lead product is an epithelial sodium channel blocker compound to treat canine keratoconjunctivitis sicca or dry eye. 💰



**Zorbius Biopharma Inc. (Morrisville)**

provides analytical, formulation and nanotechnology-related services to pharmaceutical, biotech and medical device companies.

[zorbius.com](http://zorbius.com)

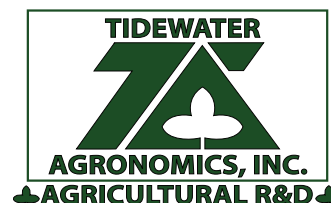
**ZY Therapeutics Inc. (Cary)** is developing a drug delivery platform for cancer therapeutics using nanotechnology.

[zytinc.com](http://zytinc.com)

**Zymeron Corporation (Research Triangle Park)** develops bioinspired polymer biomaterials and material systems, including drug delivery technologies and rapid therapeutic drug monitoring tests.

[zymeron.com](http://zymeron.com)

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*This listing of bioscience companies is current as of December 2019.*

**Cover Photos:** NC State/BTEC, BioAgilytix Labs Inc., AskBio, Cygnus Technologies, CivaTech Oncology Inc.

# Accolades for North Carolina



North Carolina named  
**the best state for business  
for the third year in a row.**

*Forbes, "Best States for Business," 2019*



North Carolina ranked  
**first in  
economic growth  
potential.**

*Business Facilities,  
"15th Annual Rankings Report," 2019*

The Durham-Chapel Hill metro area  
**led all regions in per capita  
NIH funding in FY 2018.**

*SSTI, "Useful Stats: NIH Awards by Metro," 2019*

Raleigh-Durham metro area ranked  
**4th top U.S.  
life science cluster.**

*JLL, "Life Sciences Outlook," 2019*



UNC-Chapel Hill ranked  
**the 6th most  
innovative university  
in the world.**

*Reuters,  
"The World's Most Innovative Universities," 2019*

Globally, Raleigh ranks  
**10th in biotech and  
pharmaceutical innovation**

*Hickey & Associates,  
"Global Innovation Hubs Report," 2019*

North Carolina ranked  
**3rd for its competitive  
labor environment.**

*Area Development,  
"Top States for Doing Business," 2019*



Durham-Chapel Hill is  
**the 4th most educated  
city in America.**

*WalletHub,  
"Most & Least Educated Cities in America," 2019*



Raleigh is ranked  
**the 2nd best mid-sized  
city to live in America.**

*Livability, Top 100 Best Places to Live, 2019*



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