

## ABOUT NORTH CAROLINA RESEARCH CAMPUS

The North Carolina Research Campus (NCRC) has become a scientific powerhouse and world class collaborative research center, home to over 100 scientists from 8 North Carolina universities. With research excellence and scientific enterprise at its core, the NCRC has evolved into a flourishing regional life science zone, home to more than 16 established entrepreneurial biotech companies.

While each scientist brings unique knowledge and expertise to the campus, the cumulative result is its **collaborative scientific environment** that facilitates cross disciplinary scientific teams to focus broadly on understanding the basic science of safer, more nutritious crops, healthier foods and precision nutrition. The **culture of collaboration** offers commercial partners on and off campus opportunities for sponsored research to enhance and refine their product offerings while enhancing NCRC's economic impact nationally and internationally.

With over 100,000 square feet of available space for custom lab and office buildout in the NCRC's stately Core Laboratory Building and more than 25 acres of development-ready land on campus, the NCRC, working with the NC Biotechnology Center, the Economic Development Partnership of NC, Charlotte Business Alliance, and regional economic development agencies in Cabarrus and Rowan counties, is on a growth trajectory establishing it as a regional life science commercial, entrepreneurial, and innovation zone in North Carolina.



Corie Curtis,  
Executive Director,  
NC Biotechnology  
Center's Greater  
Charlotte Region



## CITY OF KANNAPOLIS

Kannapolis is a hub of economic momentum, part of the dynamic Charlotte region, and one of the top growth areas in the country. While North Carolina is consistently ranked number one for its business climate, Kannapolis has specifically been named as one of the Top 15 Cities in the U.S. for Corporate Headquarters to locate to. The area is also very attractive for small businesses thanks to our competitive tax structure, ideal location, workforce availability and pro-business attitude.

Kannapolis has evolved from a textiles and manufacturing City to one built around the business of health and wellness. Besides the amazing discoveries and quality jobs NCRC brings, it has also created the momentum and business opportunities that come along with the investments made at NCRC.

Part of our citywide Discover a Healthy Life initiative is acknowledging the idea that our business climate couldn't be healthier.

The City's commitment is evident in our reimagining of our entire downtown. Over the last ten years we have created a vibrant and rewarding destination for the people who visit, work and live here.

Over 50 small businesses have opened in the downtown including breweries, restaurants, shops, two historic entertainment venues, The Gem & Swanee Theatres, and much more. The new West Avenue streetscape links the fun of the Kannapolis Cannon Ballers Minor League Baseball team and the Atrium Health Ballpark to businesses creating an energetic synergy that is unparalleled in the state.

The City's location is easily accessible by plane (international and regional airports), train (station is downtown), highways, and ports. It's easy to see why businesses are finding success here and why our City is such an attractive destination for commerce and community alike.



Mayor Doug Wilson



### OUR VISION

To bring the best scientists from North Carolina's universities to a world-class research campus, working collaboratively under a common mission of empowering individuals to achieve healthier lives and avoid preventable diseases with a focus on nutritious crops, healthier foods, and precision nutrition.

Central to the vision was the reimagining of Kannapolis and the development of a regional life science hub and innovation zone where existing and entrepreneurial companies are welcome.

Over the past decade that vision has become a reality as the North Carolina Research Campus and the City of Kannapolis have become recognized as an amenity-rich hub of momentum for people and businesses.

## NCRC RESEARCH PARTNERS



Dr. Mary Ann Lila

**North Carolina State University's Plants for Human Health Institute (PHHI)** is dedicated to the discovery and delivery of plant-based solutions for human health. Our researchers integrate research in metabolomics, gene expression, pharmacogenomics, skin resilience, post-harvest, upcycling food streams and development of food ingredients with enhanced bioavailability and the capacity to boost metabolism and wellness.



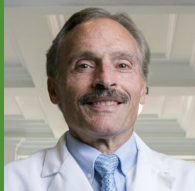
Dr. Deborah Tate

The **UNC Nutrition Research Institute** conducts transdisciplinary precision nutrition research integrating biological, biochemical, and imaging approaches with preclinical, clinical and community-based behavioral intervention studies. Our aim is to develop personalized nutrition strategies to reduce the burden of major nutrition-related health concerns, including cancer, brain health, and obesity/cardiometabolic diseases.



Dr. Leonard Williams

**North Carolina Agricultural & Technical State University's Center for Excellence in Post-Harvest Technologies (CEPHT)** conducts cutting-edge research focused on improving the quality and safety of food after it has left the farm. CEPHT's work includes research pertaining to processing, preservation, recovery of health promoting food components, food safety issues, storage stability and value-added product development.



Dr. David Neiman

**Appalachian State University's Human Performance Lab** uses exercise to induce physiological stress and immune dysfunction, with various nutrition-based products tested for mitigating effects. A human biology systems approach is used with metabolomics, proteomics, lipidomics, and genomics to improve scientific understanding of underlying mechanisms.



Dr. Cory Brouwer

UNC Charlotte's footprint spans bioinformatics, research application development, data science, and basic plant genomic research. Research is conducted in both "wet" and "dry" labs. **UNC Charlotte's Bioinformatics Services Division** is a service core that applies bioinformatics to the discovery, development, and application of novel computational technologies to help solve important biological problems.



Dr. Svati Shah

Duke University's Duke Kannapolis is part of the **Duke Clinical and Translational Science Institute (CTSI)** and functions as an engine to accelerate precision genomics and health research, featuring a diverse community of engaged research participants and supporting the Duke research community and external collaborators and partners.



Dr. Deepak Kumar

North Carolina Central University's research team examines new ways to evaluate and mitigate diseases like inflammation and cancer. The research team is also investigating hormonal and dietary factors associated with breast cancer risk and prevention focusing on reprogramming of mammary/cancer stem cells. **NCCU's HOPE** program is working to improve racial health disparities in medically underserved areas.



Dr. Qibin Zhang

**UNC Greensboro's Center for Translational Biomedical Research** conducts basic and translational research in liver diseases, type 1 diabetes and diabetic complications. The Center uses state-of-the-art platforms in proteomics, lipidomics and molecular physiology to identify biomarkers for early disease diagnosis, better understand disease mechanism, and create innovative intervention strategies to treat or prevent disease.



## JOIN OUR VISION

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## REGIONAL LIFE SCIENCE HUB & MISSION SUPPORT PARTNERS



**Eremid® Genomic Services** is a CLIA certified high complexity genomics contract research organization, delivering high quality clinical and research enhancing data through customized, collaborative projects to biotech, agbiotech, pharma and academic customers. Eremid has invested in world-class scientific staff, and cutting-edge genomic instrumentation and automation to create a unique offering that meets the increasing demands for higher data quality, reliability, and accuracy in genomics research.



As a leading whole food-based supplement company, **Standard Process** is driven to change lives through nutrition. The Nutrition Innovation Center inspires innovation and validates their whole food philosophy with scientifically based evidence and shares the NCRC's vision of empowering human health through nutrition. They chose to build at the NCRC, where corporations, universities, and health care organizations are forging a public-private partnership that is transforming science at the intersection of human health and nutrition.



**BeaconPoint Labs** is an innovative scientific laboratory focused on food nutritional testing. The company delivers the most complete, accurate and transparent nutritional profiles. They know that behind every product and food sample there is a data-based story waiting to be told. BPL provides nutritional information empowering their clients to build a loyal user base by identifying and accurately quantify differentiating aspects of their products.



The **NC Food Innovation Lab** is the nation's only facility with cGMP capabilities dedicated to supporting the plant-based food innovators of tomorrow. A collaborative industry resource located at the NCRC, NCFIL brings together the latest in food processing equipment, expert food scientists and partners from across the state helping both established food companies and entrepreneurs to perfect their products, formulations and processes in order to get their products to market quickly, safely and effectively.



**Coddle Creek Capital**, a Life Sciences Venture Capital and Advisory Firm, embedded at the NCRC, invests in seed-stage start-ups, targeting the nutrition, genomics, immunology, oncology, microbiome and neurology sectors. Early stage funding, active on-site management and engagement, extensive operational and commercial knowledge and creation of strategic partnerships drive out risk, support market access and pave the road to success for innovative, entrepreneurial companies.



**Rowan-Cabarrus Community College** has a strong track record supporting local industry workforce needs by serving more than 20,000 students annually across five locations. The College provides companies with the STEM workforce of tomorrow at the state-of-the-art Advanced Technology Center located at the NCRC. The ATC boasts engineering, cybersecurity, plastic injection molding and BioWork workforce development programs for companies such as Lilly, Okuma, RJG Plastic Injection Molding, and more.