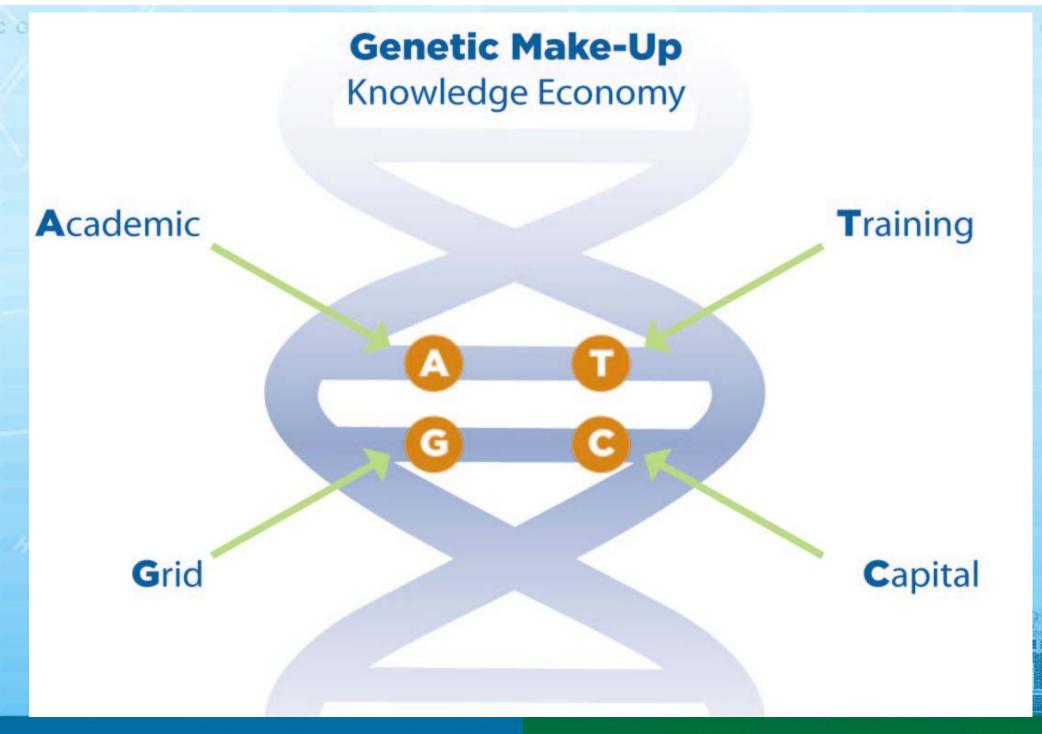


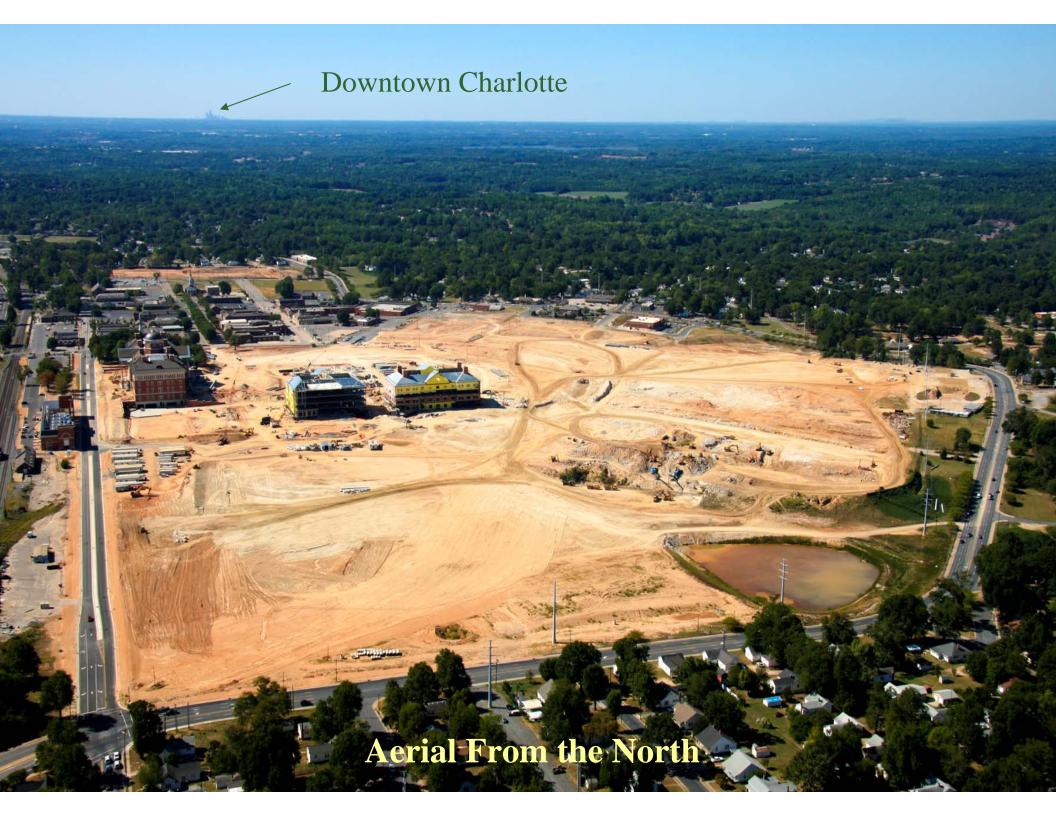
- Came from Kannapolis area to UNC in 1966
- Began working in RTP in 1971 (RTP had begun in the late '50s)
 - Part of the reason for RTP was to keep people (like me) in NC with good, valuable jobs

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- Worked for 3 RTP Companies in 36 years (RTI, UCAP, and BD) all in R&D
- Have been in Business Development working with Start-up companies and University technologies for the last 8 years
- Working with Kannapolis people as a liaison to RTP
 - Some of the people went to HS with me!
- I am committed to helping make this work



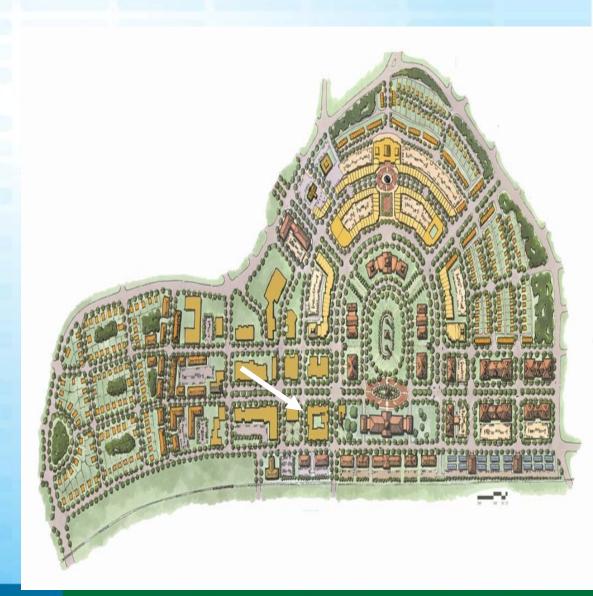




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Campus Snapshot

- 350 acre, mixed used development
- Seven Research Universities
- Community College Partnership
- Core Laboratories
- CMC/NorthEast Medical Center
- Family Medicine Research Center
- Anchor Life Science Company







The David H. Murdock Research Institute

A public charity dedicated to the advancement of scientific discovery

Core Disciplines will include:

- Metabolomics
- Molecular Genomics
- Histochemistry
- Transgenic Animal Lab
- Nuclear Magnetic Resonance

- Proteomics
- Integrated Microscopy
- Clinical Discovery
- Cell Culture
- 24,000 SF Vivarium for small rodents

Challenge: Leading research

Solution: Partnerships with knowledge leaders

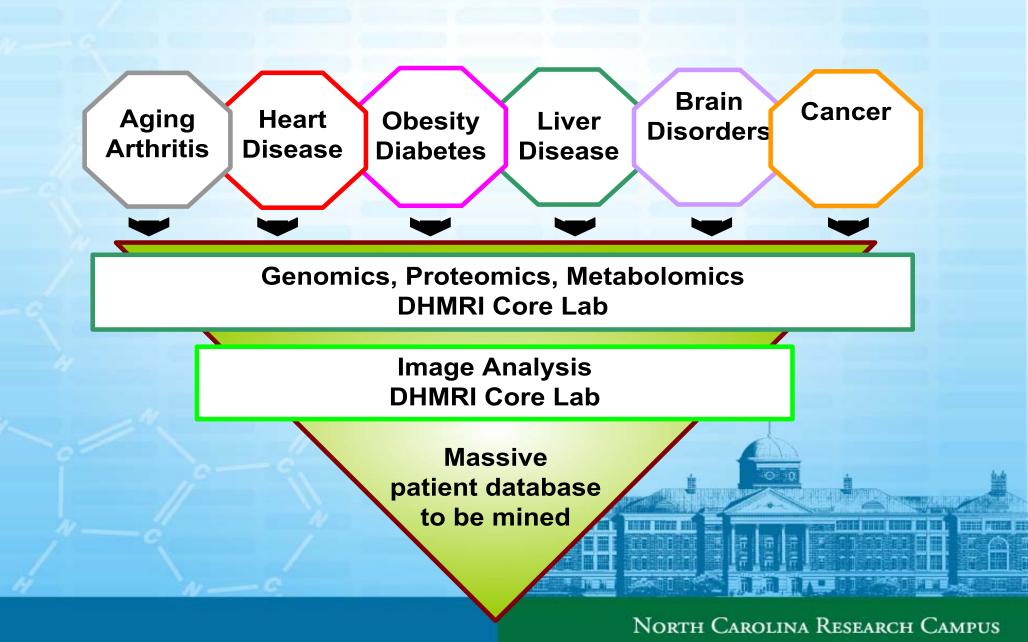




Duke University: Measurement to Understand Reclassification of Disease Of Cabarrus -Kannapolis Study (The M.U.R.D.O.C.K. Study)

Duke is expected to rewrite the textbook of medicine by reclassifying health and disease using genomic technologies and electronic health records. Our current understanding of disease is based upon crude characterizations of clinical characteristics, radiographs and laboratory testing. To segment diseases more effectively, The M.U.R.D.O.C.K. Study will combine modern clinical research methodology, which has established statistical and operational standards, with dramatically more effective characterizations of genes, proteins and metabolites as well as imaging

Focus of the MURDOCK Study





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Science at NCRC

- Focused on several disciplines, including nutrition,
 wellness, obesity, heart disease, diabetes, cancer,
 osteoarthritis, medical devices, and agriculture
- Hopes to expand to other fields such as
 nanotechnology, biophysics, and various other
 arenas of biomedical research, including biomedical
 engineering.

North Carolina State University

At the NC Research Campus, NC State is extending its outstanding programs bridging basic life science research to real world agricultural applications by establishing the world's first institute dedicated to the use of genomics, bioinformatics, and systems biology to enhance plant breeding. The major focus of the NC State Institute for Fruit and Vegetable Science Institute at Kannapolis will be to increase the yield of vegetable crops in diverse growth environments, while at the same time improving nutritional quality.

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University of North Carolina at Chapel Hill

UNC Nutrition Institute

The NRI will use cutting edge genomic, proteomic and metabolomic biotechnology to develop innovative approaches to understanding the role of diet and activity in normal brain development, in the prevention of cancer and in the prevention and treatment of obesity and eating disorders.



North Carolina A&T State University

The primary focus of NC A&T is to provide an infrastructure for multidisciplinary research programs focusing on post harvest technologies for agricultural crops and to play a lead role in developing appropriate, need-based and cost effective post harvest technologies to address related food science, nutrition, and health issues. These issues include processing and preservation, storage stability, safety and quality, composition, recovery and identification of bioactive compounds for health applications, product development, consumer research and value-added processing.

UNC at Greensboro

The focus of research to be conducted in this Center will be cellular and molecular mechanisms of action of bioactive food components, to understand molecular targets for these dietary components and expand our fundamental understanding of their benefits to human health and wellness, healthy aging, and prevention of diseases such as cancer. The bioactives to be studied may include components of

anthocyanins that may act as antioxidants), tomatoes (lycopene that may have anticancer properties), or red wine (resveratrol that may influence heart health.



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North Carolina Central University

NCCU's program will utilize Transgenic Zebrafish and rodent Cancer models to assess the effects of nutritional requirements on brain development, cardiovascular disease, obesity, neurological disorders and cancer. The program will also utilize these models to investigate the potential chemopreventive action of dietary compounds or functional foods.



UNC Charlotte Bioinformatics Research Center

The UNC Charlotte campus will run a bioinformatics core facility, which will develop methods and tools to analyze the complex information that emerges from work at the research campus. Charlotte faculty members will collaborate with researchers at other institutions to manage and interpret data and to translate the results into practical benefits for human health.

