



## School of Pharmacy

### NEW DRUG THERAPIES

In the future, work carried out by UNC scientists will enable physicians to deliver a powerful drug to cancerous cells without harming surrounding healthy cells, and easily use the human genome as a map to determine which medicine works best to control high blood pressure.

### QUALYST

Qualyst researches the processes of adsorption, distribution, metabolism, and excretion on the cellular and molecular levels, and studies how these processes relate to drug toxicity. Founded by three UNC pharmacy professors—Kim Brouwer, Gary Pollack, and Dhiren Thakker—the company develops products for the life sciences industry, with the purpose of increasing the efficiency and effectiveness of drug discovery.

### ORIEL THERAPEUTICS

A company founded by UNC pharmacy professor Anthony Hickey and Timm Crowder, who earned his Ph.D in biomedical engineering at UNC, Oriel is developing a “smart” inhaler for patients with lung diseases.



Pharmacy faculty work diligently to discover new and better drug therapies.



Unlike conventional inhalers, which deliver a constant stream of a drug, the Oriel device monitors the patient's breathing and adjusts the delivery of the drug to improve treatment.

The School of Pharmacy creates intellectual property as a part of its core science. An integral part of its mission is to turn ideas into cures. Today, university research increasingly depends on collaborating with the private sector. That means working with large global corporations, but it also means spinning university efforts into small companies. Carolina North will enable the corporate and academic worlds to work together, while maintaining a traditional environment for learning the arts and sciences.

discovery,  
innovation,  
and learning

