

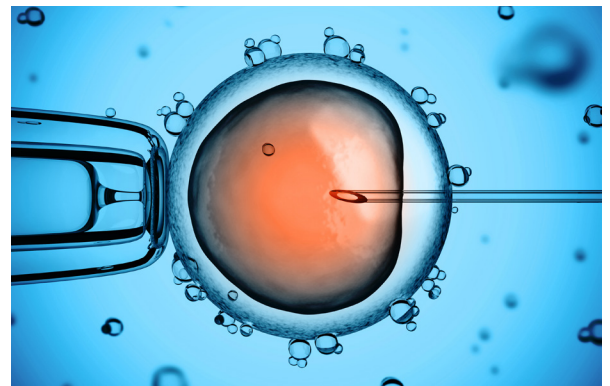
Pharmacoengineering

Investing in North Carolina's research enterprise where it starts.

Engineering Advanced Medical Treatments

Novel therapeutics emerge from an engineering approach to treating cancer and heart disease

Investigators at UNC-Chapel Hill and NC State will lead pioneering efforts in the new field of pharmacoengineering—the marriage of pharmaceutical science with state-of-the-art engineering. They will collaborate to develop novel solutions to difficult challenges in therapeutic drug-delivery technologies to patients. Partnering scientists will focus on 1) the immune response to engineered nanomaterials to understand how the human body reacts to man-made materials intended for clinical use; and 2) developing genetically engineered non-embryonic stem cells for treating brain cancer and for heart regeneration.



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

NC STATE
UNIVERSITY



Erin D. Hopper, PhD
Research Director
erin.hopper@northcarolina.edu
roi.northcarolina.edu

Christopher S. Brown, PhD
Vice President for Research and
Graduate Education
csbrown@northcarolina.edu