

Single nanoparticle carries and delivers two different cancer-fighting drugs

Two birds with one stone? How about two drug targets with one delivery vehicle? Researchers in North Carolina have developed a single nanoparticle capable of carrying two separate drugs to two different locations in a cancer cell. The aim is to program the delivery in such a way that maximizes the efficiency of each drug.

The nanoparticles developed at North Carolina State University and the University of North Carolina at Chapel Hill consist of an outer shell and an inner core, each with different components to hold the cancer drugs.

The whole system, in the very early stages, is designed to act on breast cancer cells in mice, for now. The research was published in the Jan. 2 issue of *Advanced Functional Materials*.

Read the full, original story: [How a single nanoparticle delivers two drugs separately to kill cancer cells](#)