"Good Cholesterol" nanoparticles seek and destroy cancer cells.

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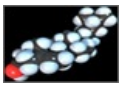

Over the years, as new information has been acquired, the public perception of cholesterol has changed. In the past, many people viewed all cholesterol as 'bad'. Then there arose the idea of "good cholesterol" and "bad cholesterol." The former describes high-density lipoprotein (HDL), and the latter describes low-density lipoprotein (LDL). The distinction between good and bad originally arose out of HDL's ability to remove cholesterol from the arteries, but recent studies have identified an additional benefit of this "good cholesterol." Reconstituted HDL is capable of effectively delivering siRNA, a promising new treatment against cancer growth and metastasis, within the body. Now, not only does HDL remove cholesterol from where it does not belong; it helps deliver anti-cancer therapy to where it needs to be.

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