

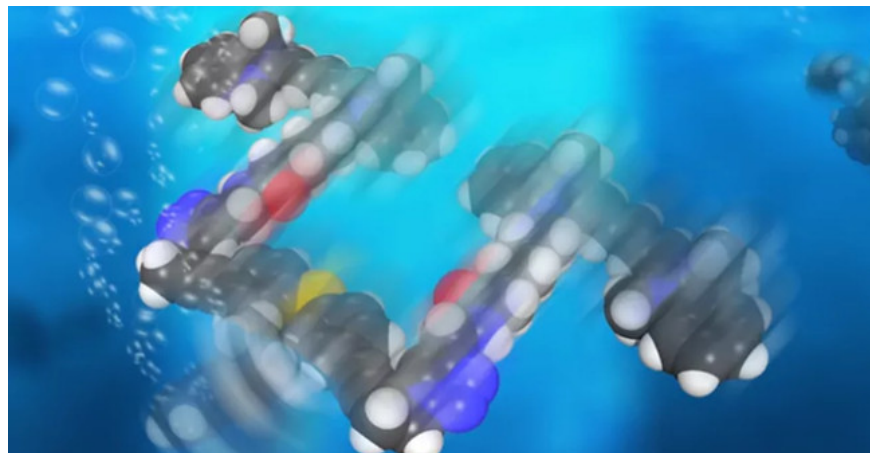
# The nano 'drill' rotates at a rate of 2-3 million revolutions per second, breaking down cancer cells in just 1 minute

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1. Fever with a implant device creates a false scene to catch breast cancer cells
2. Bring 2 DNA in your body, which is expensive to pay for blood cancer

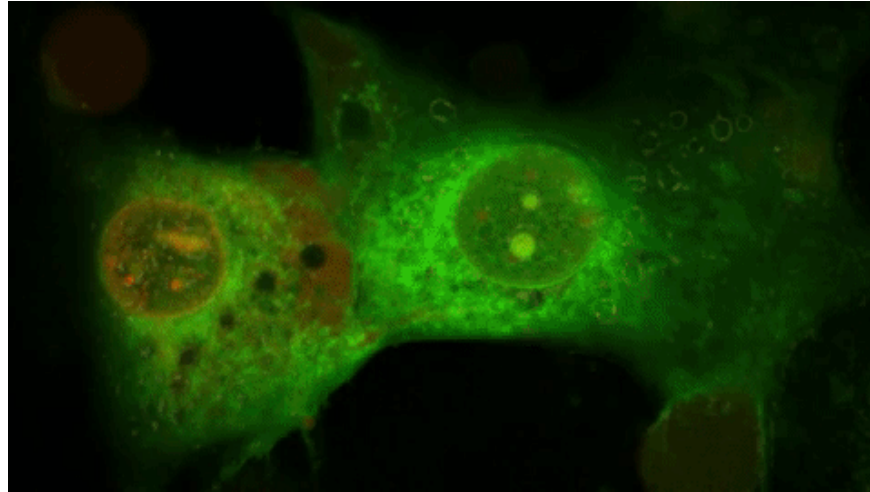
The nano submarine is actually a special shaped molecule, its atoms capable of moving in one direction to form a rotary drill at extremely high speeds, 2-3 million revolutions per second. At this speed, nanoparticles can resist Brownian motion, which makes everything in the microcosm move randomly and become extremely chaotic and become micro-submarines for medical purposes. sacrifice.



These nano machines are very small, 50,000 units can be "parked" on the diameter of a hair.

Under normal conditions, these nano submarines are capable of locating and reaching cells. And to be able to drill holes in cancer cells, they need ultraviolet light.

Researchers have tested many types of cancer cells, including prostate cancer. Observing electron microscopes, they found, the nano-submarines drilled holes in cancer cells, creating bubbles outside the surface and eventually killing them. The whole process only happens within 1-3 minutes.



The scene of the nano submarines destroyed two cancer cells under ultraviolet light.

According to Tour Professor from Rice University, nano machines are a great application for cancer treatment. It not only kills the cell but also can repair it. This is the ability to interact with the human body using molecular machines.

The researchers said they will test their nano-submarine with breast cancer and skin cancer cells. After that, they will proceed to test animals, initially microorganisms, then fish and mice.

One drawback of this method is the use of ultraviolet light to shine on the nano machines, which can be harmful to animals and humans. Scientists plan to use infrared or radio frequency waves to replace ultraviolet rays.

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