Unexpected story: Science turns human kidney cells into small biological generators

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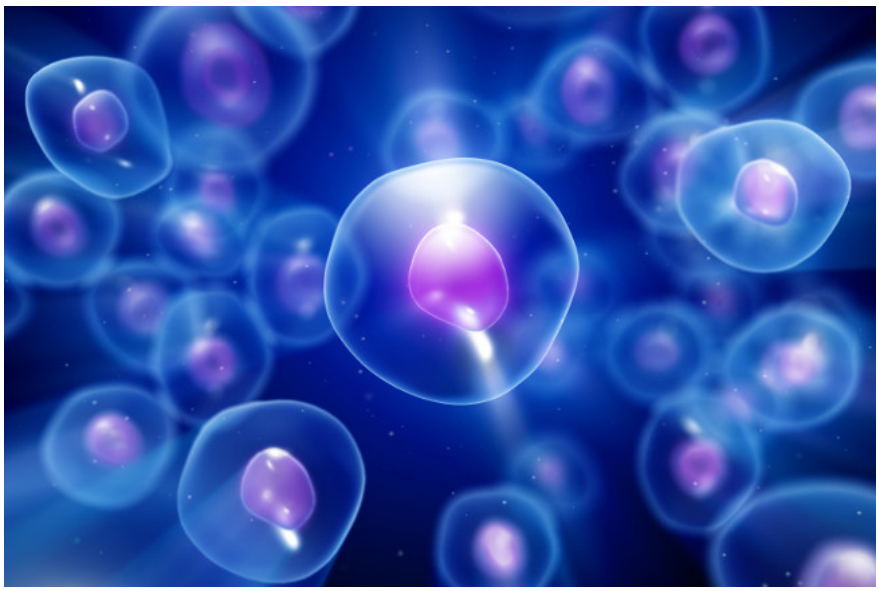
Accordingly, a team of Boston University scientists has just announced that they have successfully hacked mammalian cells, even humans, to force them to operate the logic program available on the computer. .

Although this is not their first similar study, they previously used only Escherichia coli bacterial cells, and in this new invention, they used kidney cells to control it as a Small bio-generating machines with 109 different controllers including conditions that respond to each type of environment.

1. Simple tips for liver detoxification, kidney detoxification: Just do 15 minutes every night



To get this study, they used the DNA recombinase in kidney cells in combination with specific enzymes that can recombine genetics to form a new DNA system, called a machine. Small biology and to activate recombinase, they just need to insert another gene into the kidney cell.

This is an example of how the small biochemical device made from this kidney cell works: ' *The researchers will program the cells in the biological machine that contain this glowing recombinase DNA. And even in the future,*

they can use more proteins related to specific diseases, combine them into a tool to diagnose and glow disease-causing cells if that patient actually has the disease. ' .

Researcher Wong said that their invention only works in an experimental environment. Other applications from computer cell control technology will be applied on T cells in support of killing cells with functional proteins that can quickly detect 2 to 3 cancer cells at the same time. .

In addition, this technique will also help medicine create a new cell from a desirable stem cell via various control commands.

Now Wong and his team are continuing to explore the new potential of this technology and will take a long time to become a practical tool for practical use in the medical field.

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