

Whoever expected the creature to be 10cm long and only known on this table could change the world

This is a sea creature that is quite familiar to many people, but we only know them during meals and at the table. Who would have expected them to hold many biological records, endeared by the scientific world.

The mantis shrimp, better known by its name, is a creature that possesses many special abilities that people can learn and apply in many advanced technologies to help change world.

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Their special abilities are being planned by scientists to help people in many areas from making bulletproof armor to soldiers, to the earliest method of determining cancer. . Human studies based on nature to improve people's lives and conditions are called "biomimetic".



Shrimp head has a very special body structure

The headline shrimp has a spiral body structure, so they absorb 50,000 vibrations from dangerous waves, with the same acceleration as a 0.22 millimeter bullet. Their special ability was discovered in 2012 by David Kisailus, a professor of engineering science at the University of California, Riverside, one of the pioneers of headline shrimp research.

According to Kisailus, just by reproducing the body structure of the head shrimps, we will have a new bulletproof material, opening up a revolutionary bulletproof vest for the military and the police. This new bulletproof material is extremely effective, far more than current bulletproof materials, including bulletproof covers for US presidential vehicles.



Shrimp head has a great pair of eyes

The eyes of the head shrimp feel almost all colors in the world, and see the light waves that very few species can.

In 2012, scientists at the University of Queensland (Australia) discovered headline shrimp with up to 12 cones (light-sensing cells), while in humans only 3. With number of cones "terrible" like that, headline shrimp feel a lot of colors than humans many times, and their ability to handle colors is also extremely fast.

According to scientists, head shrimps can help people make a breakthrough in vision, maybe even help people achieve the vision of superheroes.



Headless shrimp senses many different types of light waves

Headless shrimp can convert light waves that unusual animals cannot see into something that can be observed.

This means the head shrimp itself is a "supermarket" lens (hyperspectral optic), something scientists long for.



We can learn the ability to analyze the light of head shrimps for application in cancer detection from the early period. This is the most potential application of headline shrimp. People can then integrate this cancer detection application into the phone camera, and it can be said that cancer will only be a disease of the past.

Who could believe that this small animal holds so much technological potential. Although these technologies are just ideas and are still in pregnancy, scientists may turn them into great technologies in the future to turn people into "superheroes".

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