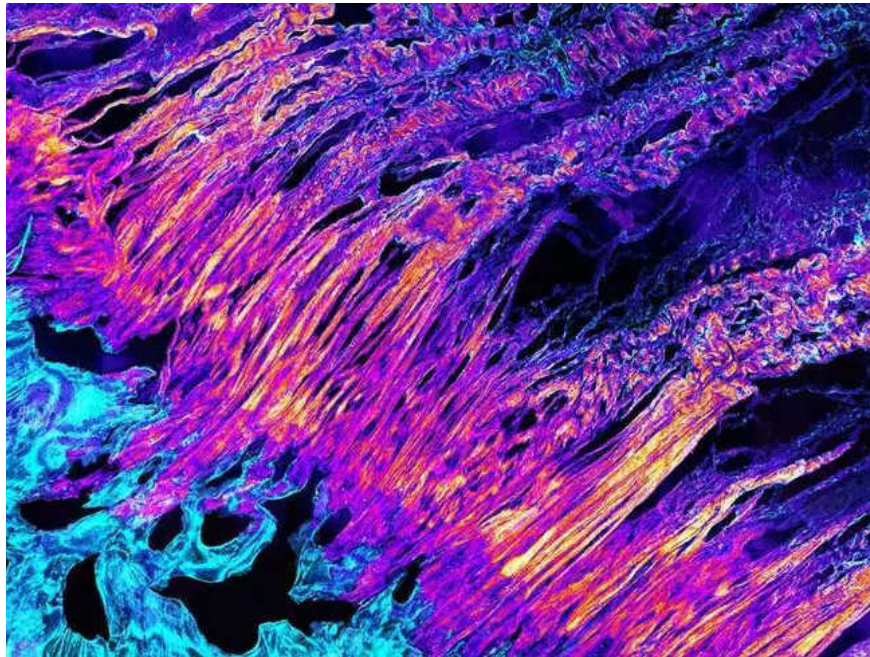


3D images show how the heel tendon in our body is?

An international team of scientists has just published a few rare 3D images of the heel tendon on our bodies.

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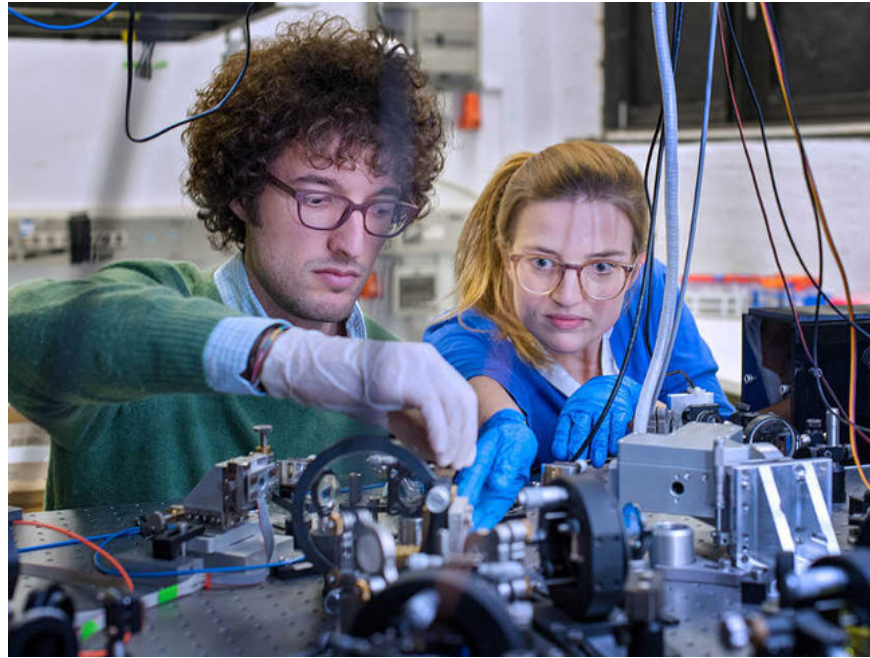
Before, the heel tendon is understood as a tendon that connects the calf to the leg bones and the heel bone to help the feet move easily, flexibly and flexibly in every direction and angle. . But it is true that there has not been any in-depth research or high-quality public image about this division.



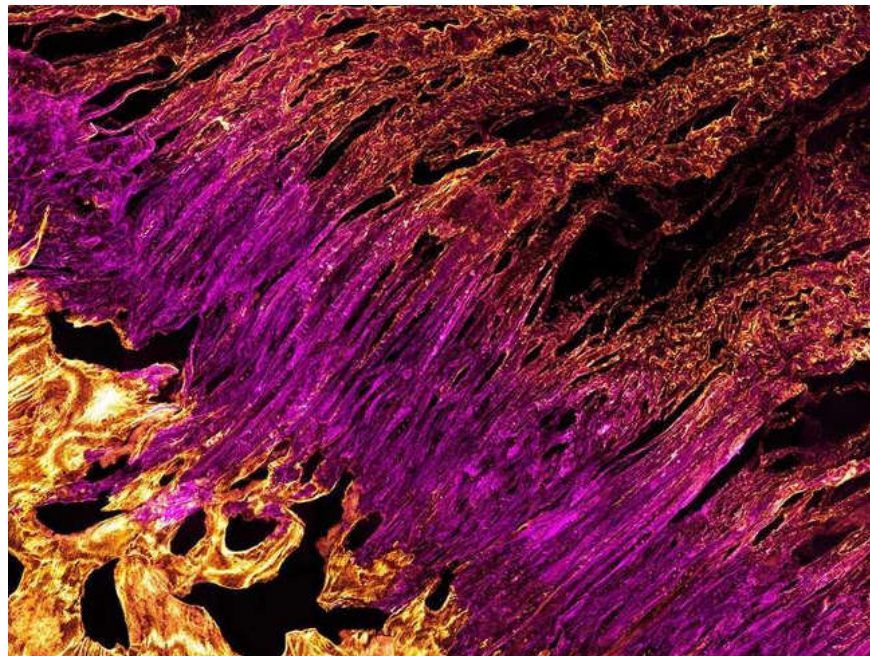
So, recently biochemists and biologists from the Technical University of Munich are headed by Dr. Rainer Burgkart, who has conducted a series of new methods for research as well as providing a a closer look at the heel tendon.

First, the team took pictures of microscopic layers between tendons and leg bones. Then, combine those photos into a big picture. Next, the team used 3D protein fluorescence technology to separate dozens of small ribbed fibers and monitor the shape of these tendon strands.

The results of a series of experiments show that body weight is one of the factors that change the heel tendon shape, expansion . In addition, the element of movement, movement of the heel The foot also plays a role of controlling the shape and operation of this department.



In addition, the team said that the experiment provided more important premise in the study of replacing the damaged tendon fibers with artificial tendons made of nanotechnology. But the most important thing is how to connect these artificial tendons to software, hardware, leg bones in the body. This experimental promise will open a new era for future osteoarthritis implant applications.



Not only that, this small experiment will provide solid scientific foundation and premise, more important in studying the methods of connecting artificial parts with hardware and software around the field of joint and bone. .

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