



Xenobot, the first robot in the living fact with cells

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You call Xenobot, are made of living cells and have been programmed with a supercomputer to administer medications, clean up the oceans from micro plastics, or the arteries. It is "a new class of artifacts: a living organism, a programmable," **Bongard**, computer scientist and expert in robotics at the University of Vermont (Usa) which he co-led with I research, published in Pnas.

Introducing computer-designed organisms.

Our new study out this week in PNAS.

w/ @drmichaellevin, Douglas Blackiston, and @Kriegmerica [pic.twitter.com/qBjeqMkFBA](https://twitter.com/qBjeqMkFBA)
— Josh Bongard (@DoctorJosh) January 13, 2020

The cells that animate them come from frog embryos. The result is that the xenobot slide rule that you can maybe even pick up a payload (like a medicine that must be transported at a specific point within a patient), a cut.

To understand what you're talking about, the experts are a few examples. A book is made of wood, but it is not a xenobot are "new machines," says Bongard. "I am not a robot traditional, or a known species of animals". Are

Xenobots are frog-like but they are not frogs. The new creatures are designed on a supercomputer at the University of Vermont and tested by biologists at Tufts University.

"We can define them as living robots, or of multicellular organisms, and artificial, because they perform functions," explains Antonio De Simone, professor at the institute of Biorobotics of the Scuola Superiore Sant'anna. The study, which are designed of completely organic from scratch.

"The Republic will fight always in defense of the freedom of information, to its readers and to all those who have faith in democracy and civil coexistence"

Carlo Verdelli SUBSCRIBERS TO REPUBLIC © Reproduction reserved Today on a Mission to Libya, so the Eu is sending soldiers and ships In the libyan capital that changes the flag: "Tifavamo Italy, now we see the Russian tv" Hafting the agreement, slide the truce of Putin, While the Eu fights the Tsar commands in Mare Nostrum In Erbil between the stopped by the raid of Tehran: "Now Isis can return"

the Republic
