

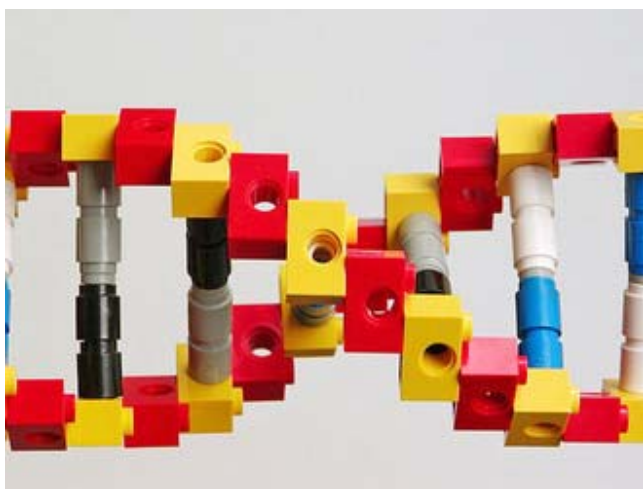
NÉPSZABADSÁG ONLINE

Bacterium legóból

Élőlénytervező competition for young scientists

Whatever it is our opinion, the biological élőlénytervezés almost routine work: it "made" as the beneficial bacteria in the food or medicine. However, the process itself is unnecessarily complicated, eszközigényes, and often unpredictable results on. Standardization could be the most simplified.

Nicholas Hargitai | Nepszabadsag | 2010th June 17 | 7 comment



Some elements, anything - even the DNA can - be built

If you are planning and preparing the bodies - thought - can be broken down into a few basic elements can be combined with each other, already a big step would be to learn and can easily be applied to synthetic biology. The idea is not as revolutionary as the first sight we might think: the same path traveled in the industry, well in advance. But let us take roughly half a century, invented the Lego brick and frame some of the standard connectors and an endless combination possibilities, of which almost anything can be built.

The biology course is slightly more complicated than the legózás, but the principle works here too. This is evidenced by the Biobrick Foundation (biotégla Foundation), and the organization grew out from the wings of some good open-source "development environment".

The idea is already a reliable place - Tom Knighttől, MIT Computer Science and Artificial Intelligence Laboratory kutatómérnökétől comes from, and it was in 2002, was made. A major role in promoting biobrickmódszer remembered a science competition, the mood (International Genetically Engineered Machine Competition): the first clash in 2004 was only 5 teams took part, and a year later over 13 (mostly academic) team was represented this year, and 130 combined said. Continental előselejtezőket be held next year, because the size of the interest that all start-ups do not fit in at MIT.

A team of between 5 and 25 informatikusból, biológusból, matematikusból, physicist, kémikusból - or sometimes filozófusból, képzőművészből available. Each year a team working on the project, itself, the competition for projects and presentation of "defense of" is.

First time in 2006 was the "Hungarian-based" team in the Championship - you biosensors for detecting arsenic in drinking water prepared for the Edinburgh students (the environmental problem mainly affects people living in the Great Plains). The final shortlist for the computer I have had a bacterial artificial blood and radiating banánillatot bacteria as well.

As this year's gathering is concerned, now the University of Debrecen, Hungary represents the team colors, specifically multi-ethnic line-up: Hungarian, Israeli and Taiwanese students formed the band. The affected part of a molecular biologist mesterképzős student and the other is a fee involved in the Israeli medical training and medical students in Taiwan. The team also completed high school students, secondary school they come from the Alternative Economics.

The race is now at MIT, Boston will be November 5 and 8 of these between. The team is the subject of nuclear receptors in the scene: a fat-soluble molecules such sensors, which are the development of Hungary (Debrecen Nagy academic teams of) the world's leaders. The versatile magreceptorokat such as oil spills or break-down of determining the vitamin content of foods can be used.

The biobrickmódszert anyway Students should not only be like: the world's major research facility, one after another through the use of space. This also means that the participants in an MIT competition itself is an important departure from the reference mean, which would later be the best scientific research institutions can also open doors for them.

Tags: science

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Egy-egy csapat 5 és 25 fő közötti informatikusból, biológusból, matematikusból, fizikusból, kémikusból – filozófusból, képzőművészből áll.