

Why business is booming for military AI startups

The invasion of Ukraine has prompted militaries to update their arsenals—and Silicon Valley stands to capitalize.

[technologyreview.com](https://www.technologyreview.com)



ARTIFICIAL INTELLIGENCE



The AI that creates any picture you want, explained

How programmers turned the internet into a paintbrush. DALL-E 2, Midjourney, Imagen, explained.

[youtube.com](https://www.youtube.com)

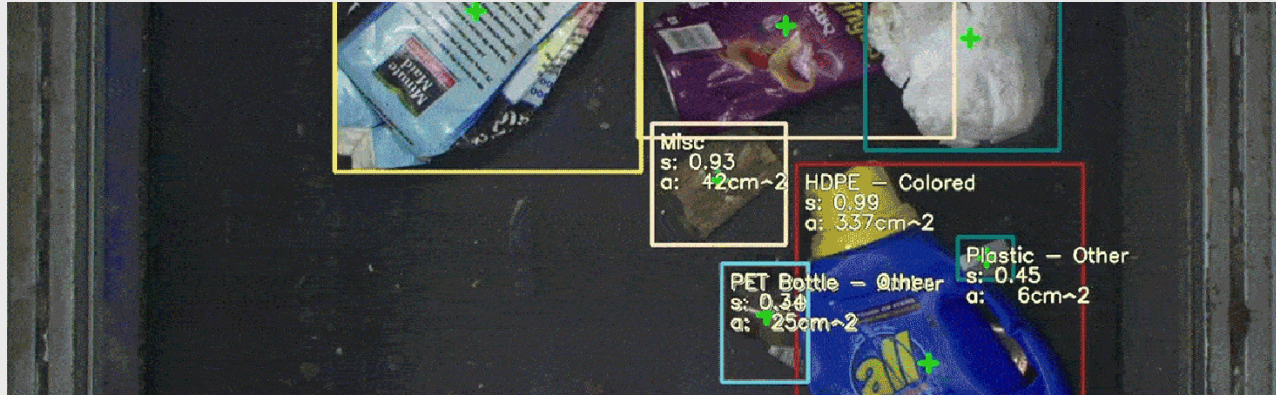
Synthetic Data Is About To Transform Artificial Intelligence

Synthetic data is one of those ideas that seems almost too good to be true.

[forbes.com](https://www.forbes.com)



ROBOTICS



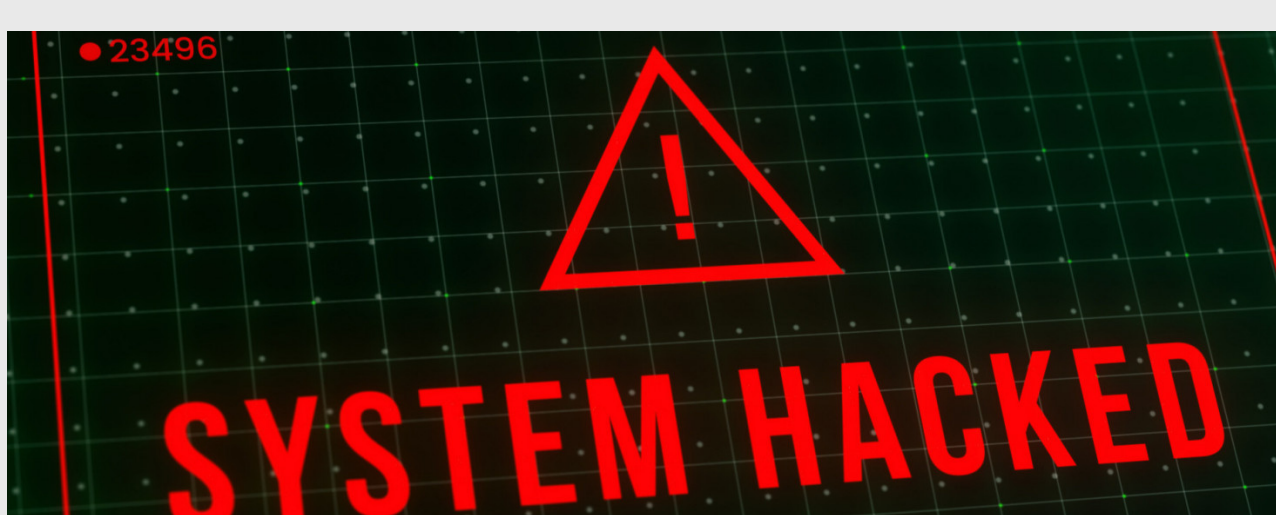
AI-Guided Robots Are Ready to Sort Your Recyclables

Computer-vision systems use shapes, colors, and even labels to identify materials at superhuman speeds

[spectrum.ieee.org](https://www.spectrum.ieee.org)



CYBERSECURITY



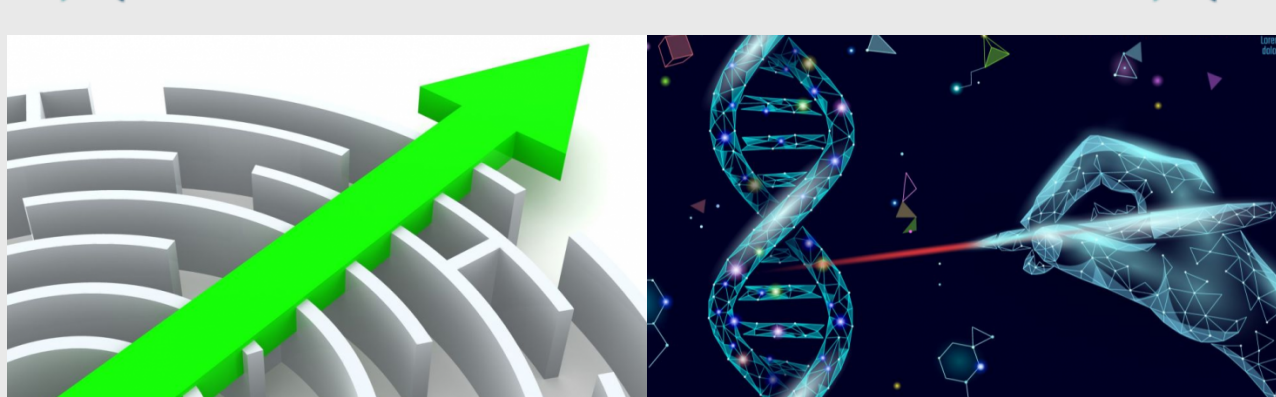
A wide range of routers are under attack by new, unusually sophisticated malware

Router-stalking ZuoRAT is likely the work of a sophisticated nation-state, researchers say.

[arstechnica.com](https://www.arstechnica.com)



LIFE SCIENCES



A turning point in cancer

A cluster of "un-heard of" results in multiple subtypes of advanced cancer

[erictopol.substack.com](https://www.erictopol.substack.com)

Better than CRISPR? Another way to fix gene problems may be safer and more versatile

Epigenome editing flips genetic on-off switches in mouse studies

[science.org](https://www.science.org)



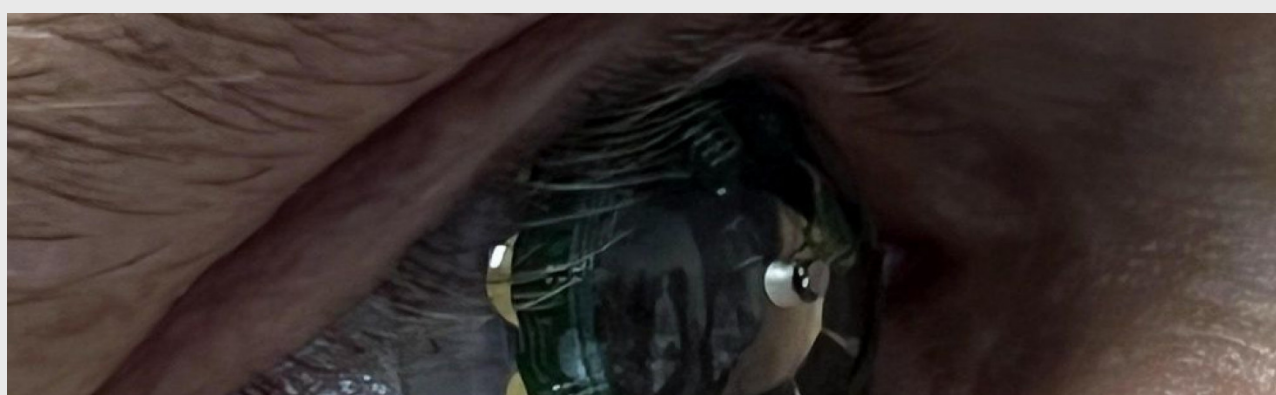
New CRISPR-based map ties every human gene to its function

A new CRISPR-based map ties every human gene to its function using a tool called Perturb-seq. The work was led by Jonathan Weissman and colleagues at MIT and the Whitehead Institute, and is free for other scientists to use.

news.mit.edu



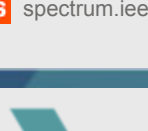
VIRTUAL AND AUGMENTED REALITY



Looking Through Mojo Vision's Newest AR Contact Lens

With batteries, motion sensors, and a microLED on board, Mojo lets me try out its first apps

[spectrum.ieee.org](https://www.spectrum.ieee.org)



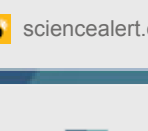
ENERGY



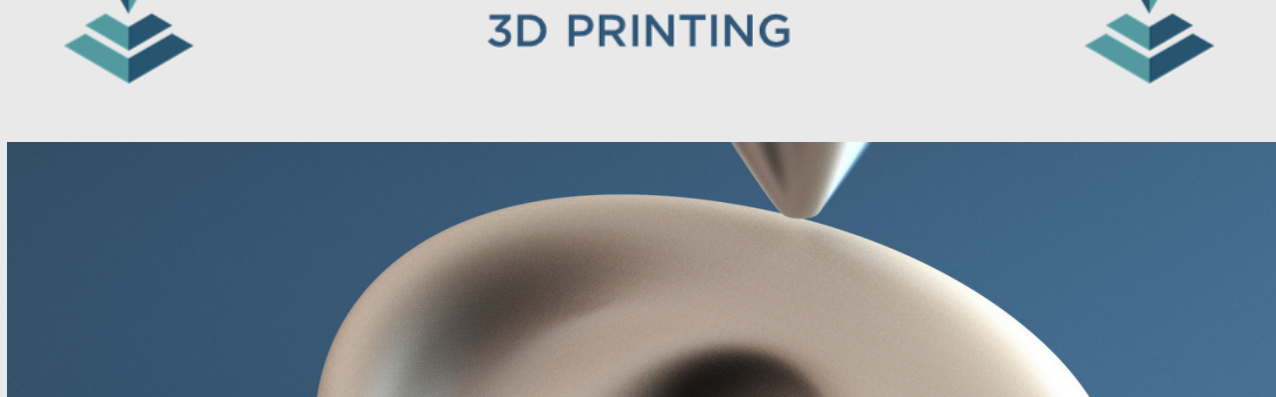
Japan Is Dropping a Gargantuan Turbine Into The Ocean to Harness 'Limitless' Energy

Deep beneath the waves there's a source of power quite unlike any other. To tap into it, Japanese engineers have constructed a true leviathan, a beast capable of withstanding the strongest of ocean currents to transform its flow into a virtually limi

[sciencealert.com](https://www.sciencealert.com)



3D PRINTING



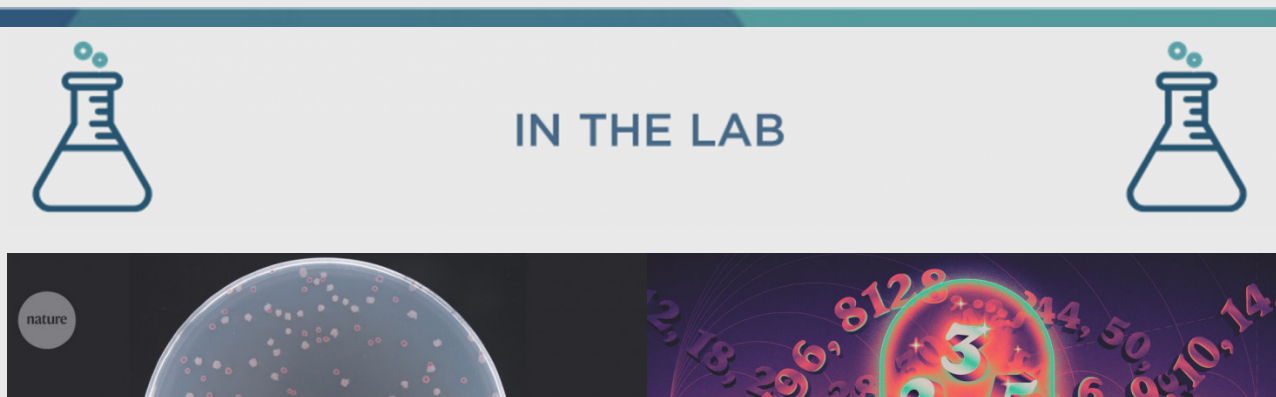
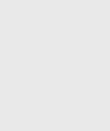
Woman receives 3D-printed ear made from her own cells

It's a step forward for tissue engineering.

[theverge.com](https://www.theverge.com)



IN THE LAB



Legendary bacterial evolution experiment enters new era

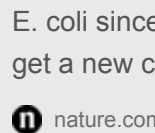
A laboratory has been growing 12 populations of E. coli since 1988 — this year, the cultures will get a new custodian.

[nature.com](https://www.nature.com)

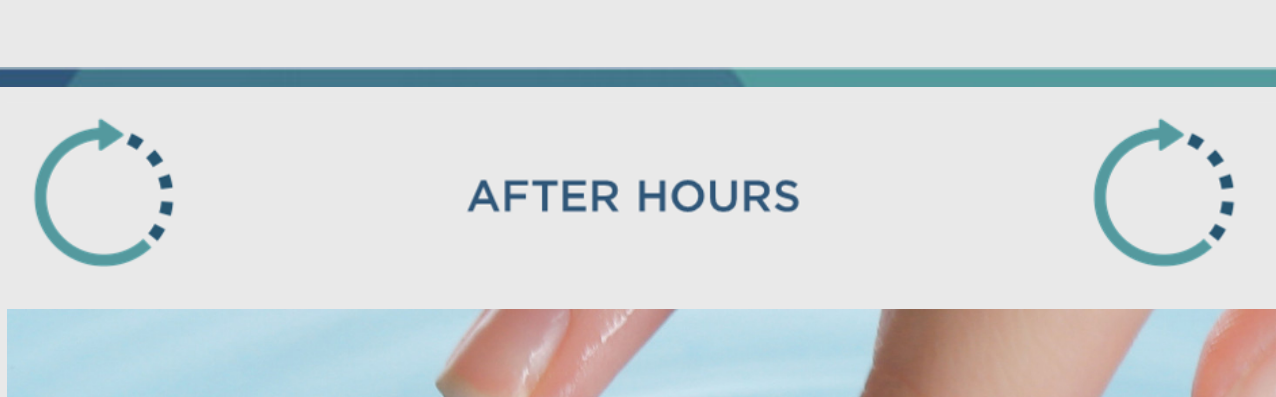
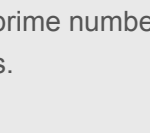
Graduate Student's Side Project Proves Prime Number Conjecture

Jared Duker Lichtman, 26, has proved a longstanding conjecture relating prime numbers to a broad class of "primitive" sets.

[quantamagazine.org](https://www.quantamagazine.org)



AFTER HOURS



The surprising benefits of fingers that wrinkle in water

The skin on our fingertips and toes shrivels like prunes when soaked in water. But is this an adaptation from our evolutionary past? And what can it reveal about our health today?

[bbc.com](https://www.bbc.com)

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