

TOP TECH HIGHLIGHTS 2024

Top Tech 2024
What to watch for in the year ahead
spectrum.ieee.org



ARTIFICIAL INTELLIGENCE



Spectrum's Top AI Stories of 2023
The AI apocalypse, ChatGPT hallucinations, Nvidia's success, and more
spectrum.ieee.org

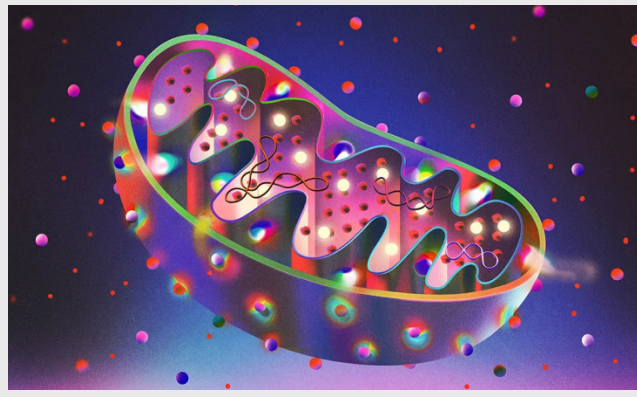
What to Expect in AI in 2024
Seven Stanford HAI faculty and fellows predict the biggest stories for next year in artificial intelligence.
hai.stanford.edu



How Not to Be Stupid About AI, With Yann LeCun
It'll take over the world. It won't subjugate humans. For Meta's chief AI scientist, both things are true.
[wired.com](https://www.wired.com)



LIFE SCIENCES



The Biggest Discoveries in Biology in 2023
In a year packed with fascinating discoveries, biologists pushed the limits of synthetic life, probed how organisms keep time, and refined theories about consciousness and emotional health.
quantamagazine.org

Medical physics and biotechnology: highlights of 2023
A selection of healthcare innovations that caught our eye this year
physicsworld.com

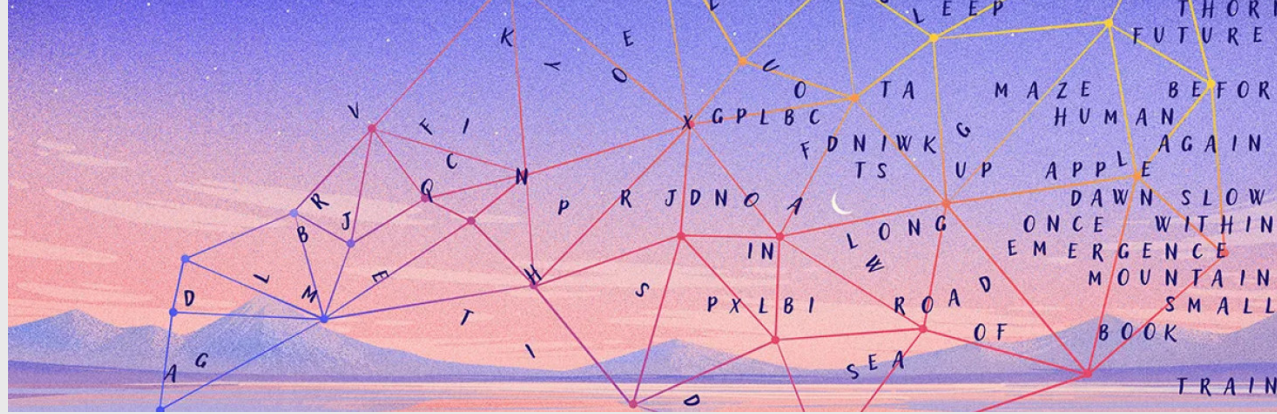


Gene Editing, Obesity Drugs And Long-Living Dogs: The Year In Biotech
2023 saw big shifts in the macroeconomics of the biotech sector, but also major technological milestones for longer, healthier lives.
[forbes.com](https://www.forbes.com)

Engineers develop a vibrating, ingestible capsule that might help treat obesity
MIT engineers designed an ingestible capsule that vibrates within the stomach, creating an illusory sense of fullness and reducing appetite. The pill could offer a minimally invasive, cost-effective way to treat obesity.
news.mit.edu



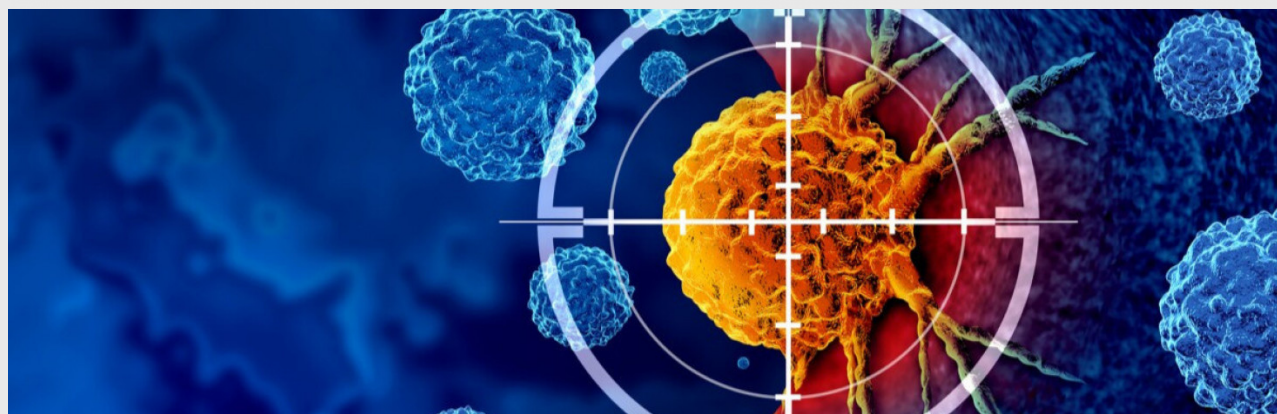
INFRASTRUCTURE



The Biggest Discoveries in Computer Science in 2023
Artificial intelligence learned how to generate text and art better than ever before, while computer scientists developed algorithms that solved long-standing problems.
quantamagazine.org



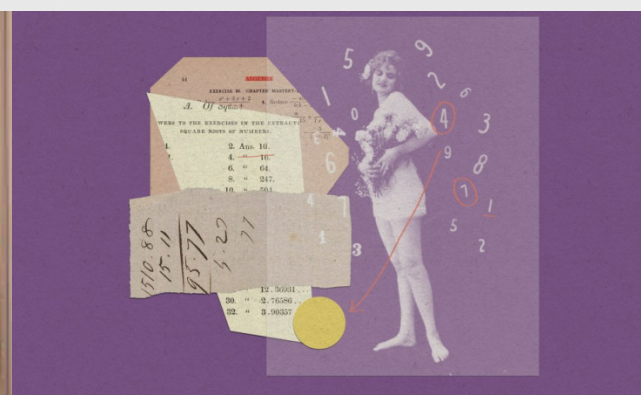
NANOTECHNOLOGY



Nanodrones harness natural-born killers to target and destroy cancer
Researchers have made a breakthrough in cancer treatment by harnessing the disease-destroying abilities of the body's natural killer cells. Their novel nanodrones selectively target a tumor, enabling the killer cells to do what they do best: Suppress cancer growth. The discovery opens the door to...
[newatlas.com](https://www.newatlas.com)



IN THE LAB



Artificially Intelligent Coscientist Automates Scientific Discovery
A non-organic intelligent system has for the first time designed, planned and executed a chemistry experiment, Carnegie Mellon University researchers report in the Dec. 21 issue of the journal Nature
scienceblog.com

Google DeepMind used a large language model to solve an unsolved math problem
They had to throw away most of what it produced but there was gold among the garbage.
[technologyreview.com](https://www.technologyreview.com)



AFTER HOURS



Pythagorean Theorem Found On Clay Tablet 1,000 Years Older Than Pythagoras
It predates Pythagoras by over 1,000 years.
[ifscience.com](https://www.ifscience.com)

2023 Photo Contest Winners
The Nature Conservancy is proud to announce the winners of our 2023 Global Photo Contest!
[nature.org](https://www.nature.org)

