**[HEALTHCARE AND MEDICINE](https://www.medtechdive.com/news/hhs-sued-public-health-grants-afscme-harris-county-nashville-kansas-city/746584/)**

[Oura and Google Fitbit partner with academia and others to battle opioid disorder | MobiHealthNews](https://www.mobihealthnews.com/news/oura-and-google-fitbit-partner-academia-and-others-battle-opioid-disorder)

[New AI model improves MS diagnostics | ScienceDaily](https://www.sciencedaily.com/releases/2025/04/250428221948.htm)

[New CAR-T Therapy achieves positive results in a high proportion of patients with a refractory type of lymphoma | ScienceDaily](https://www.sciencedaily.com/releases/2025/04/250429103008.htm)

[Top Diabetes Companies in the Medical Device Industry | MDDI](https://www.mddionline.com/diabetes/top-diabetes-companies-in-the-medical-device-industry)

[Antivenom neutralizes the neurotoxins of 19 of the world's deadliest snakes | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250502133806.htm)

[Process driving evolution and major diseases | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250502182507.htm)

[University of Cincinnati develops cortisol measuring device](https://www.medicaldevice-network.com/news/uc-cortisol-collection-device/) | MedicalDevice-Network

[HIV drugs offer 'substantial' Alzheimer's protection, new research indicates | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508112434.htm)  
[NIH plans to reduce animal testing in federally funded research | STAT](https://www.statnews.com/pharmalot/2025/04/30/nih-fda-animals-research-monkeys-dogs-mice-primates-pharma-biotech-medicines/)

[Discovery opens up for new ways to treat chlamydia | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508112553.htm)

[Thrombectomies: Transforming blood clot extraction and stroke recovery treatment - Medical Device Network](https://www.medicaldevice-network.com/sponsored/thrombectomies-transforming-blood-clot-extraction-and-stroke-recovery-treatment/)

[MRI breakthrough could revolutionize diagnosis of common heart problem aortic stenosis | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508113129.htm)

[Dogs can detect Parkinson’s years before symptoms—with 98% accuracy | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250716000846.htm)  
[New study cracks the “tissue code” — just five rules shape organs | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250715043402.htm)

[**Trends in Sedentary Behavior Among US Adults | Lifestyle Behaviors | JAMA | JAMA Network**](https://jamanetwork.com/journals/jama/fullarticle/2834380)

[Six-hour ‘undo’ button: GAI-17 rewinds stroke damage and may beat Alzheimer’s | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250715043357.htm)

AGING

[**Can One Gram of Omega-3 Really Slow Aging? Here’s What Science Says | Scitech Daily**](https://scitechdaily.com/can-one-gram-of-omega-3-really-slow-aging-heres-what-science-says/)

EARTH AND SPACE

[Dangerous synthetic opioids and animal sedatives found in wastewater | ScienceDaily](https://www.sciencedaily.com/releases/2025/04/250428222335.htm)

MEDTECH

[**Managing Complexity: 3 Imperatives for Surgical Robotics Leaders**](https://www.mddionline.com/robotics/managing-complexity-3-imperatives-for-surgical-robotics-leaders)**| MDDI**

[Intuitive wins new FDA nod for single port robot; Resmed buys diagnostic facility | MedTech Dive](https://www.medtechdive.com/news/intuitive-fda-clearance-resmed-buys-virtuox-precision-neuroscience/746966/)

[**NICE issues positive guidance for pulsed field ablation in AF treatment | Medical Device Network**](https://www.medicaldevice-network.com/news/nice-issues-positive-guidance-for-pulsed-field-ablation-in-af-treatment/)

[**MediView enrols first patient in XR90 study for soft tissue biopsy I Medical Device Network**](https://www.medicaldevice-network.com/news/mediview-xr90-study/)

[**The Rise Of AI-Integrated Medical Devices: What’s Changing In 2025 And Beyond | Medical Device News Magazine**](https://infomeddnews.com/the-rise-of-ai-integrated-medical-devices-whats-changing-in-2025-and-beyond/)

[**FDA grants clearance for Exactech's scapula reconstruction system**](https://www.medicaldevice-network.com/news/exactech-scapula-reconstruction-system/)**| Medical Device Network**

[**FDA clears Mendaera's robotic system for needle placement | Medical Device Network**](https://www.medicaldevice-network.com/news/fda-mendaera-robotic-system/)

[**Robot Performs Realistic Surgery Without Human Help | MedTech Intelligence**](https://medtechintelligence.com/news_article/robot-performs-realistic-surgery-without-human-help/)

[FDA adds pediatric ventricular assist devices to shortage list  |Medical Design & Outsourcing](https://www.medicaldesignandoutsourcing.com/fda-adds-pediatric-ventricular-assist-devices-to-shortage-list-removes-intra-aortic-balloons/)

[Dual‑light 3D printing fuses soft and hard plastics for flexible medical devices | Medical Design & Outsourcing](https://www.medicaldesignandoutsourcing.com/dual%e2%80%91light-3d-printing-fuses-plastics-flexible-medical-devices/)

[GT Medical closes $53M round to commercialize brain tumor device | MedTech Dive](https://www.medtechdive.com/news/gt-medical-53m-funding-brain-tumor-device/753164/)

[US plans 35% tariffs on Canada imports | MedTech Dive](https://www.medtechdive.com/news/trump-tariffs-canada-aug-1-carney/752805/)

POLITICS AND SCIENCE

[Scientists reel as turmoil roils National Science Foundation | Health News Florida](https://health.wusf.usf.edu/npr-health/2025-05-02/scientists-reel-as-turmoil-roils-national-science-foundation)

[HHS touts universal flu, coronavirus vaccine initiative while casting doubt on future of seasonal Covid-19 shots| MSN](https://www.msn.com/en-us/health/other/hhs-touts-universal-flu-coronavirus-vaccine-initiative-while-casting-doubt-on-future-of-seasonal-covid-19-shots/ar-AA1E0Fdc?ocid=BingNewsVerp)

[Trump proposes slashing NIH budget by nearly 40% over COVID-19 and transgender research | MSN](https://www.msn.com/en-us/politics/government/trump-proposes-slashing-nih-budget-by-nearly-40-over-covid-19-and-transgender-research/ar-AA1E45Gs?ocid=BingNewsVerp)

[Trump proposes unprecedented budget cuts to US science](https://www.nature.com/articles/d41586-025-01397-1) [| Nature](https://www.nature.com/articles/d41586-025-01407-2)

[**Surviving Trade Wars: 8 Tariff Mitigation Strategies for Medical Device Manufacturers | MDDI**](https://www.mddionline.com/manufacturing/surviving-trade-wars-8-tariff-mitigation-strategies-for-medical-device-manufacturers)t

AI

[**Generalizability of FDA-Approved AI-Enabled Medical Devices for Clinical Use | Health Care Safety | JAMA Network Open | JAMA Network**](https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2833324)

[**Healthcare  AI newswatch: Devices of unknown generalizability, promises of uncertain keepability, more | Aiin.Healthcare**](https://aiin.healthcare/topics/artificial-intelligence/ai-devices-generalizability-ai-promises)

[AI reveals title of ‘unreadable’ Vesuvius scroll for first time | Nature](https://www.nature.com/articles/d41586-025-01407-2)

[New AI technique can uncover antiviral compounds using limited data | ScienceDaily](https://www.sciencedaily.com/releases/2025/04/250430142349.htm)

[Scientists use AI to build mutation-proof antibodies for SARS-CoV-2  | News-Medical.net](https://www.news-medical.net/news/20250505/Scientists-use-AI-to-build-mutation-proof-antibodies-for-SARS-CoV-2.aspx)

[Medical AI trained on whopping 57 million health records](https://www.nature.com/articles/d41586-025-01422-3)[| Nature](https://www.nature.com/articles/d41586-025-01407-2)

[Artificial intelligence tools make education materials more patient friendly | ScienceDaily](https://www.sciencedaily.com/releases/2025/04/250430142611.htm)

[Robotic touch sensors are not just skin deep | ScienceDaily'](https://www.sciencedaily.com/releases/2025/05/250505171017.htm)

[Newsletters | AI in Healthcare](https://aiin.healthcare/newsletters)

[Patient portal messages can train AI to support personalized care in endocrinology (and beyond)](https://aiin.healthcare/topics/artificial-intelligence/patient-portal-messages-can-train-ai-support-personalized-care-endocrinology-and-beyond) | AIin.healthcare

[First, do no AI: How not to help the world’s struggling healthcare systems](https://aiin.healthcare/topics/artificial-intelligence/help-struggling-healthcare-systems-do-no-ai)  | AIin.Healthcare

[FDA Accelerates AI Integration for Scientific Reviews](https://www.mddionline.com/medical-device-regulations/fda-to-integrate-ai-across-all-centers-by-june-2025-for-faster-scientific-reviews)| MDDI  
FDA plans agency-wide AI integration for scientific reviews by June 30, following a successful pilot.

[‘AI models are capable of novel research’: OpenAI’s chief scientist on what to expect](https://www.nature.com/articles/d41586-025-01485-2) | Nature

[**Sweet or sour? AI-powered device achieves human-like sense of taste**](https://www.nature.com/articles/d41586-025-02158-w) [**| Nature**](https://www.nature.com/articles/s41586-025-09192-8)

[**Scientists discover the moment AI truly understands language**](https://www.sciencedaily.com/releases/2025/07/250707073353.htm)

[**FDA clears Tempus AI’s ejection fraction software | MDN**](https://www.medicaldevice-network.com/news/tempus-ai-ejection-fraction/)

[How AI is used in FDA-authorized medical devices: a taxonomy across 1,016 authorizations | npj Digital Medicine](https://www.nature.com/articles/s41746-025-01800-1)

[Experts Call for Cybersecurity Measures in Trump's AI Orders |Govinfo](https://www.govinfosecurity.com/experts-call-for-cybersecurity-measures-in-trumps-ai-orders-a-28938)

MATHEMATICS AND PHYSICS

[**Daily briefing: A supersingular elliptic curve brought to life — the month’s best science images |**](https://www.nature.com/articles/d41586-025-01400-9)[**Aiin.Healthcare**](https://aiin.healthcare/topics/artificial-intelligence/ai-devices-generalizability-ai-promises)

[Revealed: the unusual mathematics that gives rose petals their shape | Nature](https://www.nature.com/articles/d41586-025-01394-4)

[**Daily briefing: The breakthrough proof bringing mathematics closer to a grand unified theory | Nature.com**](https://www.nature.com/articles/d41586-025-02279-2)

[**CANCER**](https://www.sciencedaily.com/releases/2025/05/250512133656.htm)

[CAR-T cell therapy for cancer causes 'brain fog,' study shows | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250512133656.htm)

[Weill Cornell gets grant for imaging approach for prostate cancer | MedicalDevice-Network](https://www.medicaldevice-network.com/news/weill-cornell-prostate/)

[Teal Health gets FDA approval for cervical cancer screening device](https://www.medicaldevice-network.com/news/teal-health-cervical/) | Medical device-Network   
[Incidence rates of some cancer types have risen in people under age 50 | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508161318.htm)

[Important step towards improving diagnosis and treatment of brain metastases | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508161135.htm)

**BIOLOGY**  
[Hunting extreme microbes that redefine the limits of life](https://www.nature.com/articles/d41586-025-01464-7) | Nature

[**Scientists finally learn what makes plants grow faster and stronger - Earth.com**](https://www.earth.com/news/scientists-finally-learn-what-makes-plants-roots-grow-faster-and-stronger-autophagy/)

[Luminophores in the fur of seven Australian Wet Tropics mammals | PLOS One](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0320432#pone-0320432-g005)

**CHEMISTRY ENGINEERING AND PHYSICS**

[Versatile fungi-based living material is tear-resistant and can even be safely eaten](https://phys.org/news/2025-05-versatile-fungi-based-material-resistant.html)

[3-D printed smart fabrics maintain flexibility and sensing ability after repeated washes](https://techxplore.com/news/2025-05-d-smart-fabrics-flexibility-ability.html) | Tech Xplore

[Optimizing the recovery of rare earth elements](https://techxplore.com/news/2025-05-optimizing-recovery-rare-earth-elements.html) | Tech Xplore

[Atmospheric water harvesting: Optimization of a hygroscopic hydrogel device improves efficiency](https://techxplore.com/news/2025-05-atmospheric-harvesting-optimization-hygroscopic-hydrogel.html) | TechXplore   
  
**DINOSAURS**

[Cretaceous 'ostrich' with long arms opens new dinosaur debate - Earth.com](https://www.earth.com/news/discovery-of-a-cretaceous-ostrich-mexidracon-longimanus-with-extremely-long-arms/)

[Study: Dinosaurs thrived until asteroid hit, debunking current beliefs - Earth.com](https://www.earth.com/news/study-claims-that-dinosaurs-thrived-until-the-asteroid-hit-debunks-decades-of-beliefs/)

[See the reconstructed home of 'polar dinosaurs' that thrived in the Antarctic 120 million years](https://www.msn.com/en-us/science/zoology/see-the-reconstructed-home-of-polar-dinosaurs-that-thrived-in-the-antarctic-120-million-years-ago/ar-AA1ECJRD?ocid=BingNewsSerp)

**UAPS**

[Shocking UFO files hidden in presidential library claim US made successful contact with an alien race | Daily Mail Online](https://www.dailymail.co.uk/sciencetech/article-14704863/Shocking-UFO-files-hidden-presidential-library-claim-US-successful-contact-alien-race.html)

**ANCIENTS**[**The spatiotemporal distribution of human pathogens in ancient Eurasia | Nature**](https://www.nature.com/articles/s41586-025-09192-8)

[**Animal diseases leapt to humans when we started keeping livestock**](https://www.nature.com/articles/d41586-025-02165-x)**| Nature**

[The first pandemic? Scientists find 214 ancient pathogens in prehistoric DNA | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250710113158.htm)

[1,000-year-old health hacks are trending—and backed by science | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250716000836.htm)

**ENVIRONMENT**[**Millions of tonnes of nanoplastics are polluting the ocean**](https://www.nature.com/articles/d41586-025-02162-0)**| Nature**

**MEDICINE**

[Daily briefing: The first malaria treatment for babies wins approval | Nature](https://www.nature.com/articles/d41586-025-02186-6)

[Don’t Brush It Off: Health Red Flags You Should Never Ignore | Medical Device News Magazine](https://infomeddnews.com/health-red-flags-you-should-never-ignore/)

[Catch a fraudulent scientist if you can | MedTech Intelligence](https://medtechintelligence.com/viewpoint/catch-a-fraudulent-scientist-if-you-can/)

[Doctors say we’ve been misled about weight and health | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250709091336.htm)

**PSYCHOLOGY**  
[Feeling mental exhaustion? These two areas of the brain may control whether people give up or persevere | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250706230311.htm)

**SELF CARE**

[**Matching your workouts to your personality could make exercising more enjoyable and give you better results | ScienceDaily**](https://www.sciencedaily.com/releases/2025/07/250708045651.htm)

[Multisensory VR forest reboots your brain and lifts mood—study confirms | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250705084325.htm)

**DISEASE**

[**Cancer** cells go up in flames—thanks to this deep-sea sugar | ScienceDaily](https://www.sciencedaily.com/releases/2025/07/250723045659.htm)

[**The plant virus that trains your immune system to kill cancer | ScienceDaily**](https://www.sciencedaily.com/releases/2025/07/250724232403.htm)  
[**Scientists just resurrected the 1918 “Spanish Flu” virus—here’s what they found | ScienceDaily**](https://www.sciencedaily.com/releases/2025/07/250724040508.htm)

**ENVIRONMENT**

[**Controversial ‘arsenic life’ paper retracted after 15 years — but authors fight back**](https://www.nature.com/articles/d41586-025-02325-z)**| Nature**

**FOOD**

[**FDA to Revoke 52 Obsolete Standards of Identity for Food Products | FDA**](https://www.fda.gov/news-events/press-announcements/fda-revoke-52-obsolete-standards-identity-food-products)

HEALTH

[**Ageing accelerates around age 50 ― some organs faster than others | Nature**](https://www.nature.com/articles/d41586-025-02333-z)

MATHEMATICS AND PHYSICS

[**Daily briefing: A supersingular elliptic curve brought to life — the month’s best science images |**](https://www.nature.com/articles/d41586-025-01400-9)[**Aiin.Healthcare**](https://aiin.healthcare/topics/artificial-intelligence/ai-devices-generalizability-ai-promises)

[Revealed: the unusual mathematics that gives rose petals their shape | Nature](https://www.nature.com/articles/d41586-025-01394-4)

[**Daily briefing: The breakthrough proof bringing mathematics closer to a grand unified theory | Nature.com**](https://www.nature.com/articles/d41586-025-02279-2)

[**CANCER**](https://www.sciencedaily.com/releases/2025/05/250512133656.htm)

[CAR-T cell therapy for cancer causes 'brain fog,' study shows | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250512133656.htm)

[Weill Cornell gets grant for imaging approach for prostate cancer | MedicalDevice-Network](https://www.medicaldevice-network.com/news/weill-cornell-prostate/)

[Teal Health gets FDA approval for cervical cancer screening device](https://www.medicaldevice-network.com/news/teal-health-cervical/) | Medical device-Network   
[Incidence rates of some cancer types have risen in people under age 50 | ScienceDaily](https://www.sciencedaily.com/releases/2025/05/250508161318.htm)