

## DATA

- Text in yellow is political
- Text in green is identity related

### NATURE 2022

Nature - 3rd March - Volume 603, Issue 7899 1 politics, 2 identity

<https://www.nature.com/nature/volumes/603/issues/7899>

- Editorial: Wanted: better systems for turning evidence into action
- Editorial: Nature is trialing transparent peer review — the early results are encouraging
- World View: Climate change won't wait for future innovation — we need action now
- Research Highlights: First quadruple asteroid found hiding in plain sight
- Research Highlights: Engineered microbes put waste to good use — and help the climate
- Research Highlights: Timekeeping rats estimate how long a task will take
- Research Highlights: How colonialism fed the flames of Australia's catastrophic wildfires
- Research Highlights: Extreme rains are drenching China's booming cities
- Research Highlights: The surprisingly huge reptile that prowled the Jurassic skies
- Research Highlights: Venus flytrap snaps shut at synthetic neuron's command
- News Round-up: COVID reinfections, sneezing hamsters and huge methane emissions
- News: Wuhan market was epicenter of pandemic's start, studies suggest
- News: Fossil fish reveal timing of asteroid that killed the dinosaurs
- News: A year on Mars: How NASA's Perseverance hit a geological jackpot
- News: Asteroids, Hubble rival and Moon base: China sets out space agenda
- News: Two scientists will replace disgraced US science adviser Eric Lander
- Features: Omicron's lasting mysteries: four questions scientists are racing to answer
- Features: Hundreds of COVID trials could provide a deluge of new drugs
- Comment: G20's US\$14-trillion economic stimulus reneges on emissions pledges
- Correspondence: Disaggregate data on Asian Americans — for science and scientists
- Correspondence: Doctoral students benefit from international publishing
- Correspondence: Chile: new cabinet is rich in scientists and women
- Correspondence: Contrarian Botox pioneer remembered
- Career Feature: The wise counsel that can drive public-health research in Kenya [identity as dealing specifically with women]
- Career Feature: Advance Kenyan science by seizing opportunities to collaborate
- Career Feature: Capacity building to boost science in Ethiopia
- Technology Feature: Cut the tyranny of copy-and-paste with these coding tools
- Where I Work: Protector of giant salamander
- News and Views: Mechanism underlying a risk gene in neurodegeneration

- News and Views: Plasmas primed for rapid pulse production
- News and Views: Isotopes tracked on a sub-nanometre scale using electron spectroscopy
- News and Views: Light-dependent development is tailored in visual neurons
- News and Views: Lung microbes mediate spinal-cord autoimmunity
- Reviews: Progress and prospects in magnetic topological materials
- *Article: x22*

Nature - March 10th - Volume 603, Issue 7900 2 politics

<https://www.nature.com/nature/volumes/603/issues/7900>

- Editorial: Russia's brutal attack on Ukraine is wrong and must stop
- Editorial: Landmark treaty on plastic pollution must put scientific evidence front and center
- World View: Taiwan's pandemic vice-president — from lab bench to public office and back
- *Research Highlight: x7*
- News Round-up: Sci-Hub downloads, Mars rover delay and academic strikes in Nigeria
- News: Global research community condemns Russian invasion of Ukraine
- News: 'I thought I had forgotten this horror': Ukrainian scientists stand in defiance ●
- News: The next variant: three key questions about what's after Omicron
- News: How to protect the first 'CRISPR babies' prompts ethical debate
- News: The controversial China Initiative is ending — researchers are relieved (the anti espionage programme - speaks of researchers as a homogenous group as though they all agree with it ending)
- News Feature: Could drugs prevent Alzheimer's? These trials aim to find out
- Book Review: A tour of the evolution of minds
- Book Review: Microbes are the future, and the joy of games: Books in brief
- Obituary: Luc Montagnier (1932–2022) (discovered HIV)
- Comment: Rewilding Argentina: lessons for the 2030 biodiversity targets
- Correspondence: President of National Academy of Sciences of Ukraine calls for solidarity
- Correspondence: Pandemic preparedness — Europe launches research consortium
- Correspondence: Proactive investment for virus research
- Correspondence: Use of 'nano' prefix is no small matter
- Career Q&A: Marching in the streets for climate-crisis action (joined XR)
- Career Q&A: An engineer advances fire-management laws in Colombia
- Career Q&A: Neuroscience saved my life and gave me a vocation
- Where I Work: Staring into the human genome to diagnose COVID
- News and Views: Self-assembly of molecules triggered by electricity
- News and Views: Epstein–Barr virus sparks brain autoimmunity in multiple sclerosis
- News and Views: Light arrays measure up on a chip the size of a fingertip
- News and Views: Letters and cards telling people about local police reduce crime
- News and Views: AI minds the gap and fills in missing Greek inscriptions

- *Article: x19*
- Matters Arising: Aquaculture will continue to depend more on land than sea

Nature - March 17th - Volume 603, Issue 7901 1 politics, 3 identity

<https://www.nature.com/nature/volumes/603/issues/7901>

- Editorial: Are there limits to economic growth? It's time to call time on a 50-year argument
- Editorial: Gender equality will enhance research around the world
- World View: Open science, done wrong, will compound inequities
- World View: The geopolitics of fossil fuels and renewables reshape the world (net zero)
- *Research Highlight: x7*
- News Round-up: Moon junk, kids' COVID antibodies and 'first stars' debate
- News: 'I lost two years of my life': US scientist falsely accused of hiding ties to China speaks out
- News: Major CRISPR patent decision won't end tangled dispute
- News: Police rely on radiocarbon dating to identify forged paintings
- News: ResearchGate dealt a blow in copyright lawsuit
- News: This US Supreme Court decision could derail Biden's climate plan
- News Feature: A more-inclusive genome project aims to capture all of human diversity (equity, marginalized communities)
- Book Review: Queen of carbon, champion of women in science (equity)
- Book Review: An open-access history: the world according to Smits
- Obituary: C. Thomas Caskey (1938–2022)
- Obituary: Paul Farmer (1959–2022) (equity advocate)
- Comment: Africa: sequence 100,000 species to safeguard biodiversity
- Correspondence: Ukraine: thousands sign plea for scientific sanctions against Russia
- Correspondence: Secure molybdenum isotope supplies for diagnostics
- Correspondence: Predatory journals and conferences — three drivers
- Correspondence: Forest protection: invest in professionals and their careers
- Career Feature: How hybrid working took hold in science
- Where I Work: Campaign supernova: why I need a finely tuned antenna
- News and Views: Savannahs store carbon despite frequent fires
- News and Views: Methane might be made by all living organisms
- News and Views: Superfluid confines exotic atoms without disrupting precision measurements
- News and Views: AI predicts the effectiveness and evolution of gene promoter sequences
- Perspective: The land-to-ocean loops of the global carbon cycle
- *Article x22*

Nature - March 24th - Volume 603, Issue 7902 2 politics, 2 identity

<https://www.nature.com/nature/volumes/603/issues/7902>

- Editorial: The alarming rise of complex genetic testing in human embryo selection

- Editorial: This is no time to stop tracking COVID-19
- World View: Broken bread — avert global wheat crisis caused by invasion of Ukraine
- *Research Highlight* x7
- News Round-up: Omicron's rise, severe COVID and Antarctic ice minimum
- News: Surge of HIV, tuberculosis and COVID feared amid war in Ukraine
- News: Ukrainian researchers pressure journals to boycott Russian authors
- News: Chile's science transformation gains steam with new president
- News: China's first Moon rocks ignite research bonanza
- News: COVID's true death toll: much higher than official records
- News: COVID restrictions are lifting — what scientists think
- News Feature: Lessons from the COVID data wizards
- News Feature: The rise of citational justice: how scholars are making references fairer (equity)
- Obituary: François Gros (1925–2022)
- Comment: Cement and steel — nine steps to net zero
- Correspondence: Vaccinating women against COVID in world's largest refugee camp
- Correspondence: Liberal-arts education helps scientists think and communicate
- Correspondence: Votes show Swiss public still supports some animal research
- Correspondence: Stress-test the resilience of critical infrastructure
- Career Feature: How PhD programmes embraced hybrid working during the pandemic
- Technology Feature: Molecular barcodes reveal tumor lineages
- Where I Work: Investigating the micropumps behind antibiotic resistance
- News and Views: Trade-offs between stability and maneuverability in bird flight
- News and Views: A stellar clock reveals the assembly history of the Milky Way
- News and Views: Immune cells alter genetic decoding in cancer
- News and Views: Promising reversible protein inhibitors kept on target
- News and Views: A smart sensor that can be woven into everyday life
- Review Article: Human genetic and immunological determinants of critical COVID-19 pneumonia
- *Article* x23
- Spotlight: China's net-zero ambitions

Nature - March 31st - Volume 603, Issue 7903 2 politics, 1 identity

<https://www.nature.com/nature/volumes/603/issues/7903>

- Editorial: Afghanistan's girls' schools can — and must — stay open. There is no alternative
- Editorial: Time is running out for COVID vaccine patent waivers (asking EU to act)
- World View: Study conspiracy theories with compassion
- World View: Social-media reform is flying blind
- *Research Highlight* x7
- News Round-up: Beautiful science, Omicron subvariant and a prestigious maths prize
- News: Scientists struggle to probe COVID's origins amid sparse data from China

- News: Where is Russia's cyberwar? Researchers decipher its strategy
- News: Can brain scans reveal behavior? Bombshell study says not yet
- News: Morgue data hint at COVID's true toll in Africa
- News: Are 'COVID toes' actually caused by the coronavirus?
- News Feature: The race to upcycle CO2 into fuels, concrete and more
- News Feature: The quest to prevent MS — and understand other post-viral diseases
- Comment: Global vaccination must be swifter
- Correspondence: Russia is weaponizing water in its invasion of Ukraine
  - Correspondence: Together, we must help refugee researchers to thrive
- Correspondence: Open access: Brazilian scientists denied waivers and discounts
- Correspondence: Chile's science ambitions — three notes of caution
- Career Feature: Science competitions can help to catapult your science into the real world
- Where I Work: Up for crabs: making a home for red-clawed crustaceans in Taiwan
- News and Views: Bacteria swim faster when obstacles keep them in line
- News and Views: Mobile mantle could explain volcanic hotspot locations
- News and Views: Mucus secretion blocked at its source in the lungs
- News and Views: Constrained human genes under scrutiny
- Perspective: Critical advances and future opportunities in upcycling commodity polymers
- Article: x22

Nature - April 7th - Volume 604, Issue 7904 2 politics, 3 identity

<https://www.nature.com/nature/volumes/604/issues/7904>

- Editorial: The EU can simultaneously end dependence on Russia and meet climate goals
- Editorial: Time to recognize authorship of open data
- World View: Give refugees dignity, wherever they are
- Research Highlight: x7
- News Round-Up: Mystery space circle, coronavirus genomes and COVID antibody treatments
- News: Exclusive: Documents reveal NASA's internal struggles over renaming Webb telescope [because he's said to have helped the govt fire LGBT scientists]
- News: Will Omicron finally overpower China's COVID defenses?
- News: Biden bids again to boost science spending — but faces long odds
- News: Can drugs reduce the risk of long COVID? What scientists know so far
- News: Dozens of unidentified bat species probably live in Asia — and could host new viruses
- News Feature: Could computer models be the key to better COVID vaccines?
  - News Feature: Why the WHO took two years to say COVID is airborne
- Book Review: Global population is crashing, soaring and moving
- Book Review: Taming stars, and how do birds smell? Books in brief
- Comment: Crypto and digital currencies — nine research priorities ●
- Correspondence: Russian scientists' complicity: shame will remain [makes moral judgment]
- Correspondence: Regreening: green is not always gold

- Correspondence: Kharkiv's physicists, under fire, call for support
- Correspondence: China: protect black soil for biodiversity
- Career Feature: Time to rethink the scientific CV (EDI)
- Technology Feature: In pursuit of data immortality
- Where I Work: Net benefit: using a turtle excluder device in the Adriatic Sea
- News and Views: An added layer of repression for human genes
- News and Views: Cryogenic mastery aids bid to spot elusive matter creation
- News and Views: Genome doubling causes double trouble
- News and Views: Twenty-five years of nanoscale thermodynamics
- News and Views: Democratizing the mapping of gene mutations to protein biophysics
- Articles: x23
- Matters Arising: Evidence from a statewide vaccination RCT shows the limits of nudges

Nature - April 14th - Volume 604, Issue 7905 3 politics, 1 identity

<https://www.nature.com/nature/volumes/604/issues/7905>

- Editorial: The war in Ukraine is exposing gaps in the world's food-systems research
- Editorial: Global science must stand up for Iran's imprisoned scholars
- World View: University culture wars over race theory recall 1920s fight to teach evolution (opposing CRT like opposing evolution)
- Research Highlight: x7
- News Round-up: Funny paper titles, COVID immunity and carbon storage ●
- News: Particle's surprise mass threatens to upend the standard model
- News: The countries maintaining research ties with Russia despite Ukraine
- News: Will Russia use chemical weapons in Ukraine? Researchers evaluate the risks
- News: Your brain expands and shrinks over time — these charts show how
- News: What triggers severe COVID? Infected immune cells hold clues ● News Feature: What the war in Ukraine means for energy, climate and food
- News Feature: What's next for AlphaFold and the AI protein-folding revolution
- Book Review: Climate change — four decades of missed opportunities
- Book Review: Maize under threat, and morality for cars: Books in brief
- Comment: We commercialized a methane capture technology in ten years — here's how
- Correspondence: Three ways Europe could limit Russian oil and gas revenues [purely policy suggestion without any relation to science]
- Correspondence: Invasion of Ukraine — support mental health of children and adolescents
- Correspondence: Argentina: wildfires jeopardize rewilding
- Correspondence: Ebola virus: DRC field laboratories' rapid response
- Career Column: The marine biologist whose photography pastime became a profession
- Where I Work: A grass-roots science movement to rebuild Lebanon
- News and Views: Net-zero commitments could limit warming to below 2 °C
- News and Views: Cell position matters in tumor development
- News and Views: Cholera-causing bacteria have defenses that degrade plasmid invaders

- News and Views: A detector that can learn the fingerprint of light
- News and Views: Electrification promotes tricky synthetic chemical reactions
- Perspective: Brain-inspired computing needs a master plan
- Analysis: A joint NCBI and EMBL-EBI transcript set for clinical genomics and research
- *Article: x19*

Nature - April 21st - Volume 604, Issue 7906 2 politics, 2 identity

<https://www.nature.com/nature/volumes/604/issues/7906>

- Editorial: Le Pen election win would be disastrous for research, France and Europe
- World View: To advance equality for women, use the evidence
- Research Highlight: Inca sacrifice victims were given ayahuasca
- Research Highlight: Privately protected lands have outsized benefits ● Research Highlight: Even among 'giant' galaxies this one is record-setting ● Research Highlight: Girls' maths scores drop if classmates' parents have biased views
- Research Highlight: Why air pollution plagues a small island deep in the South Pacific
- Research Highlight: Ambitious trial inspires a rethink on a common ailment of pregnancy
- Research Highlight: How a cave-dwelling fish stores fat through feast and famine
- News Round-Up: COVID's diabetes risk, vaccine rankings and hidden industry ties
- News: How Shanghai's scientists are coping amid harsh COVID lockdown
- News: Jury finds University of Kansas chemical engineer guilty of hiding ties to China
- News: African clinical trial denied access to key COVID drug Paxlovid
- News: IPCC's starkest message yet: extreme steps needed to avert climate disaster ● News: Ancient smells reveal secrets of Egyptian tomb
- News: China is hatching a plan to find Earth 2.0
- News Feature: The brain-reading devices helping paralyzed people to move, talk and touch
- Comment: Analysis: the biodiversity footprint of the University of Oxford
- Correspondence: Scientific diplomacy keeps reason alight in dark times (Ukraine)
- Correspondence: Fuel, food and fertilizer shortage will hit biodiversity and climate
- Correspondence: Brexit: delays worry diaspora researchers (call for a European Research Area to allow easy cross border travel)
- Career Feature: First-in-family scholars bust generational barriers
- Where I Work: Ultracold storage ensures a future for endangered plants
- News and Views: Insights from orangutans into the evolution of tool use
- News and Views: Versatile neutral atoms take on quantum circuits
- News and Views: A lengthy look at climate and its role in hominin evolution ● News and Views: Marine heatwaves are reliably forecast by climate models
- News and Views: Genetic origins of schizophrenia find common ground
- News and Views: From the archive: teaching the history of chemistry, and conversations about math
- News and Views: Mutational clocks tick differently across species

- Perspective: The Human Pangenome Project: a global resource to map genomic diversity
- *Article: x22*
- Matters Arising: Evaluating ribosomal frameshifting in CCR5 mRNA decoding
- Focal Point: Focal Point on Biological Resources in South Korea

Nature - April 28th - Volume 604, Issue 7907 3 politics, 0 identity

<https://www.nature.com/nature/volumes/604/issues/7907>

- Editorial: Employers can make remote working a success by listening to research
  - Editorial: Chemistry education must change to help the planet: here's how (switch to talking about the climate)
- World View: Medical regulators: look beyond animal tests
- *Research Highlight: x7*
- News Round-Up: Collegiality pays and biodiversity struggles
- News: Are new Omicron sub variants a threat? Here's how scientists are keeping watch
- News: Next stop, Uranus? Icy planet tops priority list for next big NASA mission
- News: Biotech firm announces results from first US trial of genetically modified mosquitoes
- News: Trove of tumor genomes offers clues to cancer origins
- News: Record-breaking simulation hints at how climate shaped human migration
- News: Macron win relieves French researchers
- News Feature: COVID is spreading in deer. What does that mean for the pandemic? ●
- Book Review: Enslaved people and the birth of epidemiology
- Book Review: How ancient DNA hit the headlines
- Book Review: Animals that count, and the history of death: Books in brief
- Comment: Act now before Ukraine war plunges millions into malnutrition ●
- Correspondence: World Bank speeds Africa's COVID vaccination
- Correspondence: One Health: new evaluation framework launched
- Correspondence: Revitalize China's cotton industry
- Correspondence: Arctic science diplomacy maintains Russia cooperation
- Career Feature: How to handle a supervisor's sudden departure
- Technology Feature: Base edit your way to better crops
- Where I work: Cliff falls: using a smartphone to track erosion
- News and Views: Jumping robot bests biology by enhancing stored energy
- News and Views: Self-activated adhesion receptor proteins visualized
- News and Views: A colorful view of the origin of dinosaur feathers
- News and Views: Tailor-made enzymes poised to propel plastic recycling into a new era
- News and Views: Brain changes after COVID revealed by imaging ●
- Perspective: FAIR data enabling new horizons for materials research ●
- *Article: x20*

Nature - May 5th - Volume 605, Issue 7908 1 politics, 4 identity

<https://www.nature.com/nature/volumes/605/issues/7908>



- Editorial: Australia must abolish law that allows politicians to veto research grants
  - Editorial: How to make Africa's 'Great Green Wall' a success
  - World View: To make AI fair, here's what we must learn to do (equity)
  - *Research Highlights: x7*
  - News Round-Up: Dog DNA and Canada's innovation plan
  - News: China focuses on ethics to deter another 'CRISPR babies' scandal ● News: Costly SOFIA telescope faces termination after years of problems
  - News: How a Brazilian dinosaur sparked a movement to decolonize fossil science
  - News: Climate change will force new animal encounters — and boost viral outbreaks
  - News: How language-generation AIs could transform science
  - News Feature: Four lessons from the pandemic to reboot the NIH
  - Comment: Climate simulations: recognize the 'hot model' problem
    - Correspondence: Africa's forgotten crops could offset growing food insecurity
    - Correspondence: How to ensure the Human Cell Atlas benefits humanity ●
  - Correspondence: Twitter: a blue badge for scientists?
  - Correspondence: Inclusion of LGBT+ researchers is key
  - Career Feature: Scientific collaborations are precarious territory for women ●
  - Technology Feature: Unlocking the potential of health data to help research and treatments
  - Where I Work: Name that animal: my DNA detector
  - News and Views: Stretched skin cells divide without DNA replication
  - News and Views: Crosstalk between nerves, immune cells and plaques drives atherosclerosis
  - News and Views: Mycoprotein produced in cell culture has environmental benefits over beef
  - News and Views: Mental replays enable flexible navigation
  - News and Views: Light moves artificial cilia to a complex beat
  - News and Views: Virtual collaboration hinders a key component of creativity ●
- Article: x22*

Nature - May 12th - Volume 605, Issue 7909 2 identity, 1 politics

<https://www.nature.com/nature/volumes/605/issues/7909>

- Editorial: The US Supreme Court is wrong to disregard evidence on the harm of banning abortion
- Editorial: NASA should lead humanity's return to the Moon
- World View: Climate change: put water at the heart of solutions
- *Research Highlight: x7*
- News Round-Up: Eating less beef and an extra-bright pulsar
- News: Long-awaited accelerator ready to explore origins of elements
- News: Risky 'gain-of-function' studies need stricter guidance, say US researchers
  - News: Are COVID surges becoming more predictable? New Omicron variants offer a hint
- News: 15 million people have died in the pandemic, WHO says
- News: Most US kids have caught the coronavirus, antibody survey finds
- News Feature: These six countries are about to go to the Moon — here's why

- News Feature: The \$93-billion plan to put astronauts back on the Moon
- Book Review: Former US mental-health tsar calls for a care overhaul
- Book Review: Disappearing insects, and forensics uncovered: Books in brief
- Comment: Weak links in finance and supply chains are easily weaponized (Russian sanctions)
- Comment: Stop squandering data: make units of measurement machine-readable
- Correspondence: War: polar research must transcend borders
- Correspondence: Ukraine: restore Chernobyl's radioecology collaboration
- Correspondence: Russia: could cryptocurrency mining exploit unsold fuel?
- Career Feature: Why menopause matters in the academic workplace
- Technology Feature: Methods combine to decode the biology of tuberculosis
- Where I Work: Medicine in the blood
- *News and Views*: x6
- Perspective: Transitioning organizations to post-quantum cryptography
- *Article*: x21

Nature - May 19th - Volume 605, Issue 7910 3 identity articles, 0 politics

<https://www.nature.com/nature/volumes/605/issues/7910>

- Editorial: The toll of menopause: how universities can help
- Editorial: Nature journals raise the bar on sex and gender reporting in research
- World View: How climate law can help to prevent the next pandemic
- *Research Highlight*: x7
- News Round-Up: Parasite names, mouse rejuvenation and toxic sunscreen
- News: Black hole at the center of our Galaxy imaged for the first time
- News: China expands control over genetic data used in scientific research
- News: This Arctic town wants to make renewable energy work at the top of the world
- News: Coronavirus 'ghosts' found lingering in the gut
- News: Origin of life theory involving RNA-protein hybrid gets new support
- News Feature: The pandemic's true health cost: how much of our lives has COVID stolen?
- News Feature: How three Ukrainian scientists are surviving Russia's brutal war
- Book Review: Rise of drug-resistant tuberculosis is hidden in plain sight
- Book Review: AI can burn or brighten, and intangible economics: Books in brief
- Comment: Want to prevent pandemics? Stop spillovers
- Comment: One statistical analysis must not rule them all
- Career Feature: Childcare crowdfunding campaigns aim to keep mums on the academic track
- Where I Work: Immune to frustrations
- *News and Views*: x5
- *Article*: x22
- Innovations In: Health equity (links to 7 articles: <https://www.nature.com/collections/fhfjjghfbg>)

Nature - May 26th - Volume 605, Issue 7911

<https://www.nature.com/nature/volumes/605/issues/7911>

- Editorial: Cash and action are needed to avert a biodiversity crisis
  - Editorial: Schools need research to guide the recovery from COVID disruption •
  - World View: COVID lessons from Japan: the right messaging empowers citizens
  - World View: Here in Ukraine, science continues under air raids
  - *Research Highlight: x7*
  - News Round-Up: Dark-matter-free galaxies, alarming tree deaths and the dawn of farming
  - News: First pig kidneys transplanted into people: what scientists think
  - News: Home testing for syphilis gains support in wake of COVID
  - News: Will the FDA change how it vets drugs following the Alzheimer's debacle?
  - News: Flu vaccine could cut COVID risk
  - News: Ancient tooth suggests Denisovans ventured far beyond Siberia
  - News: Mammoth UK research assessment concludes as leaders eye radical shake up
  - News Feature: How the revamped Large Hadron Collider will hunt for new physics •
  - News Feature: COVID derailed learning for 1.6 billion students. Here's how schools can help them catch up
  - Book Review: Santiago Ramón y Cajal: art, politics and neuroscience revolution
  - Book Review: Ukrainian nuclear historian chronicles six disasters
  - Comment: Artificial intelligence is breaking patent law
  - Correspondence: Amazon Indigenous peoples: lawsuit threatens lands
  - Correspondence: Africa needs more bioinformaticians for population studies •
  - Correspondence: Regional genomic surveillance networks needed in global south •
  - Correspondence: Sustainable seas: overdue SDG target could be met this year
  - Correspondence: Open access in low-income countries — open letter on equity •
  - Correspondence: Sustainability for Chile's mountains — a united approach
  - Correspondence: Frustration over Chinese academic database charges
  - Career Feature: PhD students face cash crisis with wages that don't cover living costs
  - Technology Feature: The overlooked variable in animal studies: why diet makes a difference
  - Where I Work: Timbre in the timber: how I date ancient violins
  - *News and Views: x5*
  - Review Article: Evolution of Earth's tectonic carbon conveyor belt
  - Perspective: Defining the risk of SARS-CoV-2 variants on immune protection •
- Article x19*

#### NATURE 2002

Nature - March 7th - Volume 416, Issue 6876 0 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6876>

- Opinion: Supporting good citizenship? (science education)
- Opinion: How to encourage the right behavior (research publication norms) •
- News: Call for cloning ban splits UN
- Prospects: Cutting into the triangle (about employment)
- News: Britain banks on embryonic stem cells to gain competitive edge •
- News: White House sets three-point performance plan for science

- News: Stem-cell reverse angers Australian biologists
- News: Protests fail to block mountain-lion surveys
- News: Citizenship gets a science angle
- News: Army HIV vaccine to undergo clinical trial as rival is halted ● News: Congress seeks to keep Sea Grant in its current harbor ● News: Bubble fusion dispute reaches boiling point
- Regions: Building the triangle
- News in Brief
- News Feature: Amazing grace (satellites)
- News Feature: Music, maestro, please! (neuroscience)
- Correspondence: Curtain has fallen on hopes of legal bioprospecting ● Correspondence: Don't fight fire with fire (Australian bush fires) ● Book Review: The book of revelation
- Book Review: Beautiful beetles
- Book Review: A revolutionary way with weirdness
- Book Review: Notes on a cultural theme
- Concepts: Nature and function
- *News and Views: x10*
- Brief Communication: Searching for new islands in sea ice
- Brief Communication: 'Modern' feathers on a non-avian dinosaur ● Brief Communication: Supercontraction stress in wet spider dragline ● Brief Communication: Plant desiccation gene found in a nematode ● Review Article: Determining the composition of the Earth
- Article: Out of Africa again and again
- Article: Identification of a cold receptor reveals a general role for TRP channels in thermosensation
- *Letter: x14*

Nature - March 14th - Volume 416, Issue 6877 0 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6877>

- Prospects: Translating words into action
- Careers and Recruitment: Applications matter
- Careers and Recruitment: Slim pickings for silicon specialists
- Opinion: Beyond the cloning debate
- Opinion: Helping hands for Arab science
- *News: x9*
- News in Brief
- News Feature: Picking up the pieces
- News Feature: Blooms in the desert
- Correspondence: In risk assessment, one has to admit ignorance
- Correspondence: Favoritism in physics?
- Book Review: Lots of peanut shells but no elephant
- Book Review: Bare bones of a life
- Book Review: The shape of things to come
- Concepts: Grammar: The barest essentials

- *News and Views*: x8
- Brief Communication: Instant neural control of a movement signal
- Brief Communication: Dizygotic twin survival in early pregnancy
- Article: Crumbs, the *Drosophila* homologue of human CRB1/RP12, is essential for photoreceptor morphogenesis
- *Letter*: x15
- Addendum: addendum: Virus-mediated killing of cells that lack p53 activity ●
- New on the Market: Spectroscopy and fluorometry
- Foreword: Ultracold matter
- Overview: Cold atoms and quantum control
- *Review Article*: x5
- Insight: Ultracold matter

Nature - March 21st - Volume 416, Issue 6878 1 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6878>

- Prospects: An end to the Irish rover?
- Regions: Going green
- Opinion: Pursuing arrogant simplicities
- Opinion: In search of sound science
- News: Concern mounts as US agencies face challenges to data quality
- News: Evolution critics seek role for unseen hand in education
- News: Missed US nomination leaves climate post up for grabs
- News: Breast-cancer survey sets screening age for women
- News: Cash shortfall means time out for physicists
- News: US and Vietnam join forces to count cost of Agent Orange
- News: Diplomats near pact in simmering debate over transgenic foods
- News: Sea scouts plan big splash for oceanography
- News: Jospin reaches out to researchers
- News in Brief
- News Feature: Harvard's melting pot
- News Feature: Peer review, unmasked
- Correspondence: Biotech remains unloved by the more informed
- Correspondence: Nothing automatic about ion-channel structures
- Correspondence: Opportunities for women in science (Russia, 1912) ●
- Correspondence: Job-seekers, be careful of what you're signing
- Book Review: Unsung heroes of the revolution
- Book Review: A Renaissance world view
- Book Review: In the eye of the beholder
- Book Review: A milestone for a new millennium
- Book Review: Science in culture
- Concepts: Biochemical ecology: How plants fight dirty
- *News and Views*: x8
- Brief Communication: Biosynthesis of an organofluorine molecule
- Brief Communication: Herceptin acts as an anti-angiogenic cocktail

- Hypothesis: The transorientation hypothesis for codon recognition during protein synthesis
- Article: Diurnal modulation of pacemaker potentials and calcium current in the mammalian circadian clock
- Article: Killing activity of neutrophils is mediated through activation of proteases by K<sup>+</sup> flux
- *Letter: x15*
- Letter: Tyrannosaurus was not a fast runner

Nature - March 28th - Volume 416, Issue 6879 0 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6879>

- Prospects: Chemists buck the trend
- Postdocs: Easing the journey back home
- Movers: Movers
- Opinion: The case for the JASONS
- Opinion: Rights, wrongs and ignorance
- News: Covert science counsel cut off as nomination row piques Pentagon
- News: Biologists question adult stem-cell versatility
- News: Toxic transfer gets cool response
- News: Anger at halal law imperils German research [not judged politics, as deals with the impact of this on the practice of science, rather than advocating a particular position beyond the realm of science itself]
- News: Alternative therapies leave US commission divided
- News: Hints of bone bounties rile fossil hunters
- News: Babies' cancer screens 'not needed'
- News: Software firm falls victim to shifting bioinformatics needs
- News: Baiting plan to remove fox threat to Tasmanian wildlife
- News in Brief
- News Feature: Can you believe what you read?
- News Feature: The sight of two brains talking
- Correspondence: The rewards of science extend far beyond publication
- Correspondence: The perils of putting career before all else
- Correspondence: A quizzical view pays clear dividends
- Correspondence: Film industry shows how to give credit where due ●
- Correspondence: Arab science is not stifled by censorship
- Commentary: Policy, politics and perspective [Lomborg and climate change] ●
- Book Review: What the Nahua knew
- Book Review: Hominid economics
- Book Review: All the science that's fit to print, and more
- Book Review: Floral fortunes
- Concepts: Conceptual biology: Unearthing the gems
- *News and Views: x8*
- Brief Communication: Spinning eggs — a paradox resolved
- Brief Communication: Lamprey Hox genes and the origin of jaws
- Brief Communication: Prey attack by a large theropod dinosaur

- Review Article: Ecological responses to recent climate change
- Article: Serotonin1A receptor acts during development to establish normal anxiety-like behavior in the adult
- *Letter: x16*
- New on the Market: Tools of the proteomics trade

Nature - April 4th - Volume 416, Issue 6880 0 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6880>

- Prospects: French disconnection
- Careers and Recruitment: Tearing down the barriers
- Opinion: Media studies for scientists
- Opinion: Prevention remains the best medicine
- *News: x8*
- News in Brief
- News Feature: On the offensive
- Correspondence: Miller revealed new ways to study the origins of life
- Correspondence: Communication should not be left to scientists
- Book Review: Making light work of computing
- Book Review: Fixed ideas take root
- Book Review: Winged wonders
- Book Review: Lightning on the veld
- Concepts: Toxicology: A risky business
- *News and Views: x8*
- Brief Communication: Organized assembly of carbon nanotubes
- Brief Communication: Motility and the midpiece in primates
- Brief Communication: Atmospheric particles from organic vapors ● Brief Communication: Response of a strained semiconductor structure ● Review Article: An extensive network of coupling among gene expression machines ● Article: Inherent toxicity of aggregates implies a common mechanism for protein misfolding diseases
- *Letter: x15*
- New on the Market: Tissue culture and cell manipulation

Nature - April 11th - Volume 416, Issue 6881 1 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6881>

- Prospects: Reinventing careers
- Regions: Vienna: Empire building
- Opinion: Rice must be perfectly cooked
- Opinion: A climate for change
- *News: x10*
- News in Brief
- News Feature: The rice squad
- News Feature: Our virtual planet
- Correspondence: How affluence could be good for the environment
- Correspondence: Training to think globally
- Correspondence: Hamilton built on work by Haldane and Fisher

- Book Review: New Journals
- Book Review: Thoughts of a rationalist
- Book Review: Flights of fancy
- Book Review: It's not all in the genes
- Book Review: Science in culture
- Concepts: Chemical synthesis: The art of chemistry
- *News and Views*: x8
- Brief Communication: Caterpillar saliva beats plant defenses
- Brief Communication: Suspect evidence of transgenic contamination (see editorial footnote)
- Brief Communication: Maize transgene results in Mexico are artifacts (see editorial footnote)
- Brief Communication: Suspect evidence of transgenic contamination/Maize transgene results in Mexico are artifacts (see editorial footnote)
- Article: Chromatin–IgG complexes activate B cells by dual engagement of IgM and Toll-like receptors
- *Letter*: x15
- New on the Market: The discovery channel

Nature - April 25th - Volume 416, Issue 6883 1 politics, 0 identity

<https://www.nature.com/nature/volumes/416/issues/6883>

- Prospects: Going into industry?
- Postdocs: Getting into good company
- Movers
- Opinion: France sleepwalks into chaos [Far right doing well]
- Opinion: Maintaining the climate consensus
- *News*: x10
- News in Brief
- News Feature: Will the real Golgi please stand up
- News Feature: The police state
- Correspondence: 'Practical autonomy' entitles some animals to rights [not deemed politics as this is predominantly a philosophical discussion]
- Correspondence: Cancer center didn't shoot the messenger
- Correspondence: A theory can be falsified or tested. Faith cannot
- *Spring Books*: x9
- Concepts: Global enzymes: Sphere of influence
- *News and Views*: x9
- Brief Communication: An unusual source of essential carotenoids
- Brief Communication: Invasions by marine life on plastic debris
- Brief Communication: Spin accumulation in mesoscopic systems
- Brief Communication: Spin accumulation in mesoscopic systems
- Review Article: Insights into phase transition kinetics from colloid science
- Article: The earliest known eutherian mammal
- *Letter*: x15
- Technology Feature: DIY or off-the-shelf?



- Technology Feature: An array of opportunities
- Technology Feature: Dealing with the data deluge
- Technology Feature: table of suppliers

Nature - May 2nd - Volume 417, Issue 6884 2 politics, 0 identity

<https://www.nature.com/nature/volumes/417/issues/6884>

- Opinion: Don't boycott Israel's scientists
- Opinion: Selling science to the young
- News: Venter lays foundations for fresh career as ethical philanthropist
- News: Weapons lab's top job left unfilled
- Prospects: Compound disinterest
- News: Air-travel study struggles to get airborne
- News: Canadian lab loses Amgen backing
- Regions: Norway: Turning oil into science
- News: x5
- News in Brief
- News Feature: Dual identities
- News Feature: Snowball fights
- News Feature: Information overload
- Correspondence: Don't punish scientists for government actions ●
- Correspondence: The challenge offered by X-ray lasers
- Correspondence: Intensive farming, US-style, is not sustainable worldwide
- Commentary: Challenges for taxonomy
- Book Review: Emi's fate, our fate
- Book Review: From E. coli to elephants
- Book Review: Science in culture
- Concepts: Brownian ratchets: Darwin's motors
- News and Views: x8
- Brief Communication: Rat navigation guided by remote control
- Brief Communication: Linguistic ability and early language exposure ●
- Article: Astroglia induce neurogenesis from adult neural stem cells ●
- Letter: x15

Nature - May 9th - Volume 417, Issue 6885 2 1 politics, 0 identity

<https://www.nature.com/nature/volumes/417/issues/6885>

- Prospects: An industrial revolution
- Special Report: International postdocs
- Opinion: US should back research cloning [politics as this is disagreeing with a likely US senate vote outcome]
- Opinion: Peer review reviewed
- News: x11
- News in Brief
- News Feature: The state of the planet
- News Feature: Magnetic mind games
- Correspondence: Basic or applied, it's the interaction that counts ●

Correspondence: Fundamentals are still relevant in toxicology

- Commentary: Creating a bioinformatics nation
- Book Review: Confirming a bold prediction
- Book Review: When ejaculates collide...
- Book Review: An increase in insanity
- Concepts: Astrophysical spouts: The jet set
- *News and Views*: x8
- Brief Communication: Eukaryotic diversity in Spain's River of Fire
- Brief Communication: Neglect disrupts the mental number line
- Brief Communication: Building on bubbles in metal electrodeposition
- Brief Communication: Chemokine-receptor genes and AIDS risk
- Article: Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2)
- *Letter*: x15
- New on the Market: Separate cells

Nature - May 16th - Volume 417, Issue 6886 4 politics, 0 identity

<https://www.nature.com/nature/volumes/417/issues/6886>

- Prospects: A basic problem
- Regions: Boston: A magnetic hub
- Opinion: Collaboration in extremis [Israel]
- *News*: x10
- News in Brief
- News Feature: What kind of science is this?
- News Feature: St Luke's new coat
- Correspondence: Better communication is in everyone's interests ●
- Correspondence: Boycott of Israel? It worked for South Africa
- Correspondence: Palestinian scientists are already restricted
- Correspondence: Efforts to build bridges in the Middle East [perhaps make the point: these are in correspondence rather than being pushed by the editors]
- Correspondence: Taxonomists need better access to published data
- Correspondence: Advocacy and analysis
- Correspondence: Specimen collecting is still vital for research
- Book Review: A popular evolution
- Book Review: Tuning in to radio galaxies
- Book Review: Exactly the same but different
- Book Review: Science in culture
- Concepts: Centromeres: Selfish drivers
- *News and Views*: x9
- Brief Communication: An ancient sensory organ in crocodylians
- Brief Communication: Decline in mobilization of toxic aluminium
- Brief Communication: Plague bacteria biofilm blocks food intake
- Brief Communication: A non-hyperthermophilic ancestor for Bacteria
- Article: Mechanism of glutamate receptor desensitization

- Article: Targeted pharmacological depletion of serum amyloid P component for treatment of human amyloidosis
- *Letter: x15*
- New on the Market: Microbiology media and methods
- Foreword: Neurobiological systems
- Overview: Non-mammalian models for studying neural development and function
- *Review Article: x6*
- Insight: Neurobiological systems

Nature - May 23rd - Volume 417, Issue 6887 0 politics, 0 identity

<https://www.nature.com/nature/volumes/417/issues/6887>

- Prospects: Talent tug-of-war
- Postdocs: Training programmes with vision
- Movers
- Opinion: South Africa's new landscape
- Opinion: Nature and the developing world [free journal access for them]
- *News: x9*
- News in Brief
- News Feature: All genomes great and small
- News Feature: The rainbow academic nation
- Correspondence: Restricting genome data won't stop bioterrorism ●
- Correspondence: What's in a name? In the Middle East, everything
- Correspondence: Foundation's funding
- Book Review: Science is a computer program
- Book Review: Optics for the real world
- Book Review: Swimming lessons
- Concepts: Equilibrium: In the balance
- *News and Views: x7*
- Brief Communication: A Möbius strip of single crystals
- Brief Communication: GroEL buffers against deleterious mutations ●
- Analysis: Comparative assessment of large-scale data sets of protein–protein interactions
- Article: Prokineticin 2 transmits the behavioral circadian rhythm of the suprachiasmatic nucleus
- Article: Adaptation in the chemotactic guidance of nerve growth cones ●
- *Letter: x13*
- New on the Market: Kit and kits for proteomics, genomics

Nature - May 30th - Volume 417, Issue 6888 0 politics, 0 identity

<https://www.nature.com/nature/volumes/417/issues/6888>

- Prospects: Taking stock of biotech jobs
- Careers and Recruitment: Climate of care for a changing world ●
- Careers and Recruitment: Chance to make a difference in Japan ●
- Opinion: Prize-winning multidisciplinary
- Opinion: Committed, yes. And commitments?
- *News: x9*

- News in Brief
- News Feature: Neutrality versus the niche
- News Feature: To catch a wave
- Correspondence: How affluence harms the environment in Europe ●
- Correspondence: O no: opossums are not at risk in Tasmania
- Correspondence: What can Venter teach students about ethics? ●
- Book Review: When the Earth moved
- Book Review: With brains, minds and voices
- Book Review: Views of a scientific American
- Book Review: Science in culture
- Concepts: Hydrophobicity: Two faces of water
- *News and Views*: x9
- Brief Communication: Parasitoid secretions provoke ant warfare
- Brief Communication: Trends and random fluctuations in athletics
- Review Article: Understanding and exploiting C–H bond activation
- Article: Crystal structure and mechanism of a calcium-gated potassium channel
- Article: The open pore conformation of potassium channels
- *Letter*: x13
- New on the Market: Working with genes

## SCIENTIFIC AMERICAN 2022

Scientific American - March 2022 - Volume 326, Issue 3 4 politics, 2 identity

<https://www.scientificamerican.com/magazine/sa/2022/03-01/>

- From the Editor: Introducing a Special Issue on How COVID Changed the World ●
- Features: Introducing 21 Ways COVID Changed the World
- Features: How a Virus Exposed the Myth of Rugged Individualism
- Features: A High-Speed Scientific Hive Mind Emerged from the COVID Pandemic
- Features: How the Pandemic Remade Science Journalism [no longer possible to separate science and politics]
- Features: COVID Revealed the Fragility of American Public Health
- Features: The Pandemic Set Off a Boom in Diagnostics
- Features: COVID Pushed Global Health Institutions to Their Limits
- Features: The Pandemic Showed the Promise of Cities with Fewer Cars
- Features: COVID Has Made Global Inequality Much Worse
- Features: Messenger RNA Therapies Are Finally Fulfilling Their Promise
- Features: Billionaire Space Tourism Has Become Insufferable
- Features: COVID Long Haulers Are Calling Attention to Chronic Illnesses ●
- Features: COVID's Uneven Toll Captured in Data
- Features: COVID Changed the World of Work Forever
- Features: Nasal Spray COVID Preventives Are Finally in Development
- Features: The Pandemic Deepened Fault Lines in American Society [BLM]
- Features: Vaccine Inequality Has Shut Vulnerable People Out of Plans to Save the Planet

- Features: COVID Disrupted Everything--Even Rocket Launches
- Features: Pandemic-Era Research Will Pay Off for Years
- Features: The Lab-Leak Hypothesis Made It Harder for Scientists to Seek the Truth ●
- Features: COVID Is Here to Stay
- Advances: Airborne DNA Can Reveal Earth's Biodiversity
- Advances: Homing Pigeons Remember Routes for Years
- Advances: Researchers Make a Phantom Sixth Finger Grow and Shrink ●
- Advances: All Ocean Life Follows This Massive Pattern--Except Where Humans Have Interfered
- Advances: Pamplona Bull Runs Reveal Dynamics of Crowds in Danger ●
- Advances: A Portable MRI Makes Imaging More Democratic
- Advances: Why Some Fluids Flow Slower when Pushed Harder
- Advances: Honeybee Parasites Have Record-Breaking Clinginess ● Advances: Giant Rotten-Smelling Parasite Flower Rafflesia Evokes Host Defenses ● Advances: Snakes' and Lizards' Slow and Steady Evolution Won the Race ● Advances: Science News Briefs from around the World: March 2022 ● Forum: A COVID Vaccine for All
- The Science of Health: Abortion Pills Are Very Safe and Effective, yet Government Rules Still Hinder Access
- The Science Agenda: Contagions Worse Than COVID Will Prevail If Neglect of Global Public Health Continues
- Recommended: Earth's Sonic Diversity, Secret Bird Scents, Pandemic-Inspired Sci-Fi, and More
- Graphic Science: Monarchs Take Generations to Make Annual South-North Journey ●
- Meter: Poem: Other Worlds in Haiku
- Observatory: Popular Health Claims, Such as a Woman's Fertility Dropping at Age 30, Are Wildly Overblown

Scientific American - April 2022 - Volume 326, Issue 4 2 identity, 2 politics

<https://www.scientificamerican.com/magazine/sa/2022/04-01/>

- From the Editor: Bird Navigation, Dark Matter, Biblical Archaeology, and More ●
- Features: How Migrating Birds Use Quantum Effects to Navigate
- Features: Women Are Creating a New Culture for Astronomy
- Features: To Revive a River, Restore Its Liver
- Features: The Father of Modern Neuroscience Discovered the Basic Unit of the Nervous System
- Features: Are Telescopes the Only Way to Find Dark Matter?
- Features: Jerusalem Archaeology Modernizes but Runs into Ancient Problems ●
- Features: Spark Creativity with Thomas Edison's Napping Technique ● Advances: Tiny Flier 'Swims' through the Air at Superspeed
- Advances: Ancient Molecule Helps Bacteria Untangle Genetic Activity ●
- Advances: Toxic Algae Plagued Ancient Maya Civilization
- Advances: Ultrathin Nets Catch Overlooked Bats
- Advances: Egyptian Mummy Reunited with Intricate Nesting Coffins ●
- Advances: Tiny Antennas Made from DNA Light Up Protein Activity ●
- Advances: Backward-Flowing Rivers Can Destabilize Ice Shelves ●

- Advances: Science News Briefs from around the World: April 2022 •
- Advances: See the Bizarre Fruiting Bodies of Slime Molds
- Advances: New Charging Technique Puts Crumbling Batteries Back Together •
- Advances: This Tiny Tube Is Why Grass Is Everywhere
- Advances: Space Archaeology Takes Off
- Forum: Marine Oxygen Levels Are the Next Great Casualty of Climate Change •
- The Science of Health: A Wave of New Cancer Treatments Challenges Community Oncologists to Keep Up
- The Science Agenda: Why We Must Protect Voting Rights [anti GOP]
- Recommended: Grayscale Lives in a Future Pandemic, Surveilling Memory, Saving Coral Reefs, and More
- Graphic Science: Colonialism Casts a Shadow on Fossil Science
- Meter: Poem: 'Schrödinger's Cat'
- Mind Matters: Personality Type, as well as Politics, Predicts Who Shares Fake News [anti RW]
- Observatory: 60 Years after Silent Spring Warned Us, Birds--and Humanity--Are Still in Trouble

Scientific American - May 2022 - Volume 326, Issue 5 0 politics, 0 identity

<https://www.scientificamerican.com/magazine/sa/2022/05-01/>

- From the Editor: Birdsong, Quantum Computing, Omicron's Mutations, and More
- Features: How to Fix Quantum Computing Bugs
- Features: What Birds Really Listen for in Birdsong (It's Not What You Think)
- Features: Innovative Fish Farms Aim to Feed the Planet, Save Jobs and Clean Up an Industry's Dirty Reputation
- Features: Omicron's Surprising Anatomy Explains Why It Is Wildly Contagious
- Features: The Scientists Fighting for Parasite Conservation
- Features: This Amazonian Indigenous Group Has Lessons in Sustainable Living for All of Us
- Advances: AI Outpaces Human Champs at the Video Game Gran Turismo
- Advances: Thousands of Tree Species Remain Unknown to Science
- Advances: Mosquitoes See Red (Literally) when They Smell Human Breath
- Advances: Mysterious 'Retron' DNA Helps Scientists Edit Human Genes
- Advances: New Tech Conveys Emotional Touch Long-Distance
- Advances: Tired Adults May Learn Language like Children Do
- Advances: Pollen Grains Carry Hundreds of Plant Viruses
- Advances: Science News Briefs from around the World: May 2022 •
- Advances: Drones Could Spot Crime Scenes from Afar
- Advances: Kitchen Sponges Help Breed Bacteria Better
- Advances: Chewing Gum with GMO Could Reduce the Spread of COVID •
- Advances: Hummingbirds Choose How Much to Chill Down
- Forum: Female Birds Sing, Too
- The Science of Health: New Anti Obesity Drugs Help People Shed Dozens of Pounds, but They Must Be Taken for a Lifetime
- The Science Agenda: Cryptocurrencies and NFTs Are a Buyer Beware Market

- Recommended: Inside an Arctic Expedition, Natural History of Fragrance, Essays on Places in Peril, and More
- Graphic Science: Coral Reefs Are Struggling, but There Is Some Good News
- Meter: Poem: 'The Algorithm'
- Mind Matters: Other People Don't Think You're a Mess
- Observatory: It's Time for Science to Take Down Bullies in Its Own Ranks

## SCIENTIFIC AMERICAN 2002

Scientific American - March 2002 - Volume 286, Issue 3 0 politics, 0 identity

<https://www.scientificamerican.com/magazine/sa/2002/03-01/>

- Features: Detecting Anthrax
- Features: The Cosmic Reality Check
- Features: The Worldwide Computer
- Features: How Should Reading Be Taught?
- Features: Scars That Won't Heal: The Neurobiology of Child Abuse ●
- Features: Attacking Anthrax
- Features: Repeated Blows
- Advances: Throw the Switch?
- Advances: Hears to Your Health
- Advances: Blowing Out to Sea
- Advances: Been There, Done That
- Advances: Astronaut Boot Camp
- Advances: I Seek You
- Advances: Inflamed Blame Game
- Advances: Space Rock Candy
- Advances: Superfluid Freeze
- Advances: Bubble Bath of Death
- Advances: Microwaves of Grain
- Advances: Blows to the Nose
- Recommended: A Good Blue Is Hard to Find ●
- Skeptic: Hermits and Cranks
- Anti Gravity: Divining Comedy
- Perspectives: Treat AIDS Globally
- In Brief: Data Points: Taking Stock
- In Brief: Brief Bits: March 2002
- Puzzling Adventures: Card Counters
- Voyages: Ancient Rituals on the Atlantic Coast ●
- Profile: Aspirations in Science and Civics
- Staking Claims: Who Owns You?
- Innovations: Defying Gravity
- By the Numbers: Down with Evolution!
- Working Knowledge: Secret of Spin

Scientific American - April 2002 - Volume 286, Issue 4 0 politics

0 identity

<https://www.scientificamerican.com/magazine/sa/2002/04-01/> •

From the Editor: The Peculiar Institution

- Features: Parasitic Sex Puppeteers
- Features: The Science of Bad Breath
- Features: Ripples in Spacetime
- Features: Augmented Reality: A New Way of Seeing
- Features: Proteins Rule
- Features: The Social Psychology of Modern Slavery •

Advances: Drink Your Shots

- Advances: Mind the Gap
- Advances: Looking at ART
- Advances: Joke Hunter of Science
- Advances: Heads on Tails
- Advances: Has the Space Age Stalled?
- Advances: Falling in Line
- Advances: In No Uncertain Terms
- Advances: Gene Fiends?
- Advances: Breaking and Entering
- Advances: Early to Rise
- Advances: Score One for Natural Selection
- Recommended: "The World Is Broad and Wide" •

Skeptic: Skepticism as a Virtue

- Anti Gravity: Copy That
- In Brief: Data Points: April 2002
- In Brief: Brief Bits: April 2002
- Puzzling Adventures: A Fairy Tale
- Profile: Father of the Impossible Children
- Staking Claims: Tragedy of the Cyber Commons •

Innovations: It's Not Easy Being Green

- By the Numbers: Greenhouse Follies
- Technicalities: Bringing the Net to the Bedroom
- Working Knowledge: Grow, Then Kill
- Departments: Fuzzy Logic

Scientific American - May 2002 - Volume 286, Issue 5 0 politics

0 identity

<https://www.scientificamerican.com/magazine/sa/2002/05-01/>

• From the Editor: Last Chance for the Last Planet

• Features: Journey to the Farthest Planet



- Features: The Mammals That Conquered the Seas ●
- Features: Extreme Light
- Features: Atherosclerosis: The New View
- Features: Wireless Data Blaster
- Features: Rethinking Green Consumerism
- Features: The Skeptical Environmentalist Replies ●
- Advances: When Markets Go Mad
- Advances: R.I.P. for D.I.Y.
- Advances: Peeling Plaque
- Advances: Lion versus Lamb
- Advances: Face Shift
- Advances: Drams of Drugs and Dregs
- Advances: As Good as Old
- Advances: Watered-Down Mars
- Advances: Cascades of Light
- Advances: Triggers against Transplants
- Advances: A Crush on Bacteria
- Recommended: Meddling with Human Nature ●
- Skeptic: The Exquisite Balance
- Anti Gravity: Cold Comfort
- In Brief: Data Points, May 2002
- In Brief: Brief Bits, May 2002
- Puzzling Adventures: Defense in Depth
- Voyages: Trees of the Triassic
- Profile: Survival in an Insecure World
- Staking Claims: IP Rights--and Wrongs
- Innovations: The Ultimate Clean Fuel
- By the Numbers: Deindustrialization
- Working Knowledge: Getting There
- Departments: Fuzzy Logic

## SCIENCE 2022

Science - 4th March 2022 - Volume 375, Issue 6584 - 10 identity, 0 politics

<https://www.science.org/toc/science/375/6584>

- Black Physicists: Can U.S. physics overcome its record of exclusion?
- Black Physicists: The toll of white privilege
- Black Physicists: Fix the system, not the students
- Black Physicists: Black colleges can't do it all
- Black Physicists: Called to teach
- Black Physicists: Michigan's surprising path to diversity
- Editorial: Dismantle racism in science
- Editorial: Biden doesn't get it [complaint he chose a white science advisor, not a

black one]

- News at a glance [masks, child vaccines, new covid variant, gain of function debate, CRISPR patent, edited gene, colonialism in fossil studies, LGBTQ scientists who aren't open publish fewer papers than straights or out LGBTQ]
- News: War in Ukraine poses stark choices for scientists
- News: Regulator halts assembly of fusion reactor
- News: Mammoth mangrove bacterium has complex cell
- News: New name won't fix all flaws in China Initiative, critics worry [name stigma]
- News: Studies bolster pandemic origin in Wuhan animal market
- News: U.N. panel warns of warming's toll and an 'adaptation gap'
- News: China quietly plans a pivot from 'zero COVID'
- Insights: Anthropogenic influences on bee foraging
- Insights: Addicted to dreaming
- Insights: Forming roots from shoot
- Insights: Toward a coherent ultracold chemistry
- Insights: A new Hall for quantum protection
- Insights: Catalyst coaxed to make branched  $\alpha$ -olefins
- Policy Forum: A role for funders in fostering China's research integrity
- Books: Life-changing biology
- Books: The lasting legacy of John von Neumann
- Letters: Greek roadless policy: A model for Europe
- Letters: Iran's agricultural waste
- Letters: China's dams threaten the Sichuan taimen
- Research: In Science Journals
- Research: In Other Journals
- Research: A conserved superlocus regulates above- and belowground root initiation ●
- Research: A single-cell atlas of the normal and malformed human brain vasculature ●
- Research: Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly ●
- Research: Rapid eye movement sleep is initiated by basolateral amygdala dopamine signaling in mice
- Research: Transcriptional neighborhoods regulate transcript isoform lengths and expression levels
- Research: Control of reactive collisions by quantum interference
- Research: Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth
- Reviews: Soil microbiota as game-changers in restoration of degraded lands
- Reports: A synthetic monopole source of Kalb-Ramond field in diamond
- Reports: Elongation and branching of  $\alpha$ -olefins by two ethylene molecules
- Reports: Topological magnon band structure of emergent Landau levels in a skyrmion lattice
- Reports: Breakdown of topological protection by cavity vacuum fields in the integer quantum Hall effect
- Reports: Vernier template synthesis of molecular knots
- Reports: Broad anti-SARS-CoV-2 antibody immunity induced by heterologous

ChAdOx1/mRNA-1273 vaccination

- Reports: Structures of the Omicron spike trimer with ACE2 and an anti-Omicron antibody
- Reports: Highly enriched BEND3 prevents the premature activation of bivalent genes during differentiation
- Careers: My writing journey [Chinese scientist on learning to write in English]

Science - 11th March 2022 - Volume 375, Issue 6585 1 identity, 0 politics

<https://www.science.org/toc/science/375/6585>

- COVID-19: 2 years on: A time to reflect
- COVID-19: 2 years on: Signals from the sewer
- COVID-19: 2 years on: Mysterious strains show power—and limitations—of wastewater monitoring
- COVID-19: 2 years on: End COVID-19 in low- and middle-income countries [not included as politics as this is quite focussed on how science and technology can help specifically in lower income countries, rather than broader politics]
- COVID-19: 2 years on: Gender-responsive social protection post-COVID-19
- COVID-19: 2 years on: COVID-19—lessons for zoonotic disease
- COVID-19: 2 years on: The changing epidemiology of SARS-CoV-2
- COVID-19: 2 years on: The immunology and immunopathology of COVID-19
- COVID-19: 2 years on: COVID-19 vaccination: The road ahead
- COVID-19: 2 years on: Stopping pandemics before they start: Lessons learned from SARS-CoV-2
- Editorial: “Back to normal” is not enough [ends with Ukraine, climate change]
- Editorial: Scientists in the line of fire [Ukraine]
- News: News at a glance [covid 19, vaccines, covid 19 test to treat plan, cancer trial, plastics treaty, US government science appointments, copyright infringement, digital recreations of extinct creatures, nutritious seaweed]
- News: Science ties to Russia cut after Ukraine invasion
- News: Impact crater under Greenland’s ice is surprisingly ancient
- News: When is a pandemic officially ‘over’?
- News: Africa battles out-of-control polio outbreaks
- News: New class of killer T cells may prevent autoimmune diseases
- News: Healing Venezuela
- News: Long-running aging study charts health impacts of Venezuela’s collapse
- Insights: Protecting the herd with vaccination
- Insights: The right shoe for the job [DNA]
- Insights: Climate change and biospheric output
- Insights: Growing polymers, caught in the act
- Insights: The modular cell gets connected
- Books: All hail the Queen of Carbon [nanoscientist bio]
- Books: Sanctifying work in Silicon Valley
- Letters: A pandemic education
- Research: In Science Journals
- Research: In Other Journals

- Research: OpenCell: Endogenous tagging for the cartography of human cellular organization
- Research: Local connectivity and synaptic dynamics in mouse and human neocortex
- Research: Global biosphere primary productivity changes during the past eight glacial cycles
- Reports: Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel
- Reports: Indirect protection of children from SARS-CoV-2 infection through parental vaccination
- Reports: Programmable molecular transport achieved by engineering protein motors to move on DNA nanotubes
- Reports: Frequency multiplication by collective nanoscale spin-wave dynamics
  - Reports: Magmatic water content controls the pre-eruptive depth of arc magmas
  - Reports: Structural basis of human telomerase recruitment by TPP1-POT1
  - Reports: Angiotensin-converting enzyme gates brain circuit-specific plasticity via an endogenous opioid
- Reports: Live cell tracking of macrophage efferocytosis during *Drosophila* embryo development in vivo
- Reports: Visualization of on-surface ethylene polymerization through ethylene insertion
- Careers: The support I needed [advisor helping her when daughter had cancer]

Science - 18th March - Volume 375, Issue 6586 - 2 politics

<https://www.science.org/toc/science/375/6586>

- Editorial: A fabric of life view of the world [calls for more environmental targets]
- Editorial: Killing the golden goose for STEM [restore funding to Puerto Rico uni]
- News: News at a glance [Shackleton's ship, covid 19 in East Asia, pig heart transplant, undercounting covid 19 deaths, arXiv banning papers with inflammatory language, climate change rainfall on Australian universities, Swedish health chief joins WHO, professor resigns over plagiarism, winter ice, sequencing African wildlife, tropical gene bank in Colombia]
- News: Ukrainian researchers flee war trauma and terror
- News: Ukrainians rush to save 'irreplaceable' collections
- News: Growth at U.S. science agencies curtailed in final budget deal
- News: A new \$1 billion biomedical funding agency is born
- News: Animal care committee sues own university
- News: Catalog of bird shapes yields ecological 'gold mine'
- News: The pregnancy gap [drugs can't be tested on pregnant women, so sick people don't know if they should keep taking their medication]
- Insights: The rapid tempo of adaptation [fruit flies]
- Insights: Unifying repeating fast radio bursts
- Insights: Fueling the fire of adipose thermogenesis
- Insights: Copper-induced cell death
- Insights: One residue—one function
- Insights: Radical coupling decreases synthetic burden

- Insights: Luc Montagnier (1932–2022)
- Insights: Crediting agricultural soil carbon sequestration
- Books: Schrödinger's Oxford years
- Books: Drawing the mind, one neuron at a time
- Letters: Brazilian cave heritage under siege
- Letters: Brazil's mangroves: Natural carbon storage
- Letters: Disrupting targets' dependency on bullies
- Research: In Science Journals
- Research: In Other Journals
- Research: Direct observation of adaptive tracking on ecological time scales in *Drosophila*
- Research: Compartment-specific tuning of dendritic feature selectivity by intracellular Ca<sup>2+</sup> release
- Research: Multiple causal variants underlie genetic associations in humans ●
- Research: Copper induces cell death by targeting lipoylated TCA cycle proteins ●
- Reviews: Early detection of cancer
- Reports: Tracking the sliding of grain boundaries at the atomic scale ●
- Reports: Frequency-dependent polarization of repeating fast radio bursts—implications for their origin
- Reports: Concise syntheses of GB22, GB13, and himgaline by cross-coupling and complete reduction
- Reports: Global urban environmental change drives adaptation in white clover ● Reports: The histone H3.1 variant regulates TONSOKU-mediated DNA repair during replication
- Reports: Recovery of particulate methane monooxygenase structure and activity in a lipid bilayer
- Reports: Wildfire smoke destroys stratospheric ozone
- Reports: Spectroscopy signatures of electron correlations in a trilayer graphene/hBN moiré superlattice
- Reports: Reactions between layer-resolved molecules mediated by dipolar spin exchange
- Careers: The trouble with labels [complains he's Kenyan, not from the third world or the developing world]

Science - 25th March - Volume 375, Issue 6587 1 politics, 0 identity

<https://www.science.org/toc/science/375/6587>

- Social media storm: Inside the vortex [trolls and misinformation]
- Social media storm: On the trail of bullshit [misinformation, but has a contrary view that misinformation isn't such a big problem]
- Social media storm: In the line of fire [harassed over covid 19]
- Social media storm: Riding the twitter wave [are scientists less enthusiastic about it]
- Editorial: Redo college intro science
- News: News at a glance [space telescope, Russian space launches, genome data shared, Alzheimer's drug, statues of female scientists in DC, Afghan scientists, covid 19 variant hits African-Americans worst]
- News: Undersea mountains help stir up oceans

- News: Southern roots for the Maya—and the maize that fed them ●
- News: War halts animal tracking project
- News: Brain implant enables man in locked-in state to communicate ●
- News: Where does embryo editing stand now?
- News: Ukrainian bat study spun into tale of bioweapons [disinformation]
- Insights: Volcano-tectonic control of Cumbre Vieja
- Insights: Effective surveillance of variants
- Insights: The question of animal emotions
- Insights: Giant electromechanical effects in polymers
- Insights: Sieving gasses with twisty polymers
- Insights: Photons think inside the box
- Insights: Will the European Health Data Space change data sharing rules?
- Books: Escaping a planet in peril [climate change novel]
- Books: Unlocking the mysteries of the written word
- Letters: Ethical drawbacks of sustainable meat choices [push for plant based food]
- Letters: Self-spreading vaccines: Base policy on evidence
- Letters: Self-spreading vaccines: Base policy on evidence—Response
- Research: In Science Journals
- Research: In Other Journals
- Research: Convergent selection of a WD40 protein that enhances grain yield in maize and rice
- Research: A structural basis for amylin receptor phenotype
- Research: Architecture and antigenicity of the Nipah virus attachment glycoprotein
- Research: An action potential initiation mechanism in distal axons for the control of dopamine release
- Reports: High thermoelectric performance realized through manipulating layered phonon-electron decoupling
- Reports: Hydrocarbon ladder polymers with ultrahigh permselectivity for membrane gas separations
- Reports: Side-on coordination of diphosphorus to a mononuclear iron center
- Reports: Tunable and giant valley-selective Hall effect in gapped bilayer graphene
- Reports: Compressibility and the equation of state of an optical quantum gas in a box ●
- Reports: Rapid increase in Omicron infections in England during December 2021: REACT-1 study
- Reports: Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics
- Reports: Relaxor ferroelectric polymer exhibits ultrahigh electromechanical coupling at low electric field
- Reports: Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals
- Technical comments: Comment on “Reversible disorder-order transitions in atomic crystal nucleation”
- Technical comments: Response to Comment on “Reversible disorder-order transitions in atomic crystal nucleation”
- Careers: No shame in my pain [period pain]

Science - 1st April - Volume 376, Issue 6588 1 politics, 1 identity

<https://www.science.org/toc/science/376/6588>

- Completing the human genome: Filling the gaps
- Completing the human genome: The complete sequence of a human genome ●
- Completing the human genome: A complete reference genome improves analysis of human genetic variation
- Completing the human genome: Segmental duplications and their variation in a complete human genome
- Completing the human genome: Complete genomic and epigenetic maps of human centromeres
- Completing the human genome: From telomere to telomere: The transcriptional and epigenetic state of human repeat elements
- Completing the human genome: Epigenetic patterns in a complete human genome
- Editorial: To solve climate, first achieve peace [world peace, work with China]
- News: News at a glance
- News: U.S. pares back neutrino experiment to beat rival
- News: Biden's 2023 budget request for science aims high—again ●
- News: Dirty bomb ingredients go missing from Chernobyl lab
- News: Japan reboots HPV vaccination drive after 9-year gap
- News: Most complete human genome yet is revealed
- News: Genital defects seen in sons of men taking major diabetes drug
- News: Software-designed miniproteins could create new class of drugs
- News: The planet inside
- Insights: The road to a larger brain
- Insights: Perovskite solar cells can take the heat
- Insights: Eco-evolutionary effects of keystone genes
- Insights: Selective cultural processes generate adaptive heuristics
- Insights: Pain-resolving microglia
- Insights: A next-generation human genome sequence
- Insights: Paul Farmer (1959–2022)
- Insights: A push for inclusive data collection in STEM organizations
- Books: The scientist-statesman [Ben Franklin]
- Books: War in an automated, data-driven world
- Letters: Rules all PIs should follow
- Research: In Science Journals
- Research: In Other Journals
- Research: Bronze and Iron Age population movements underlie Xinjiang population history
- Reports: A keystone gene underlies the persistence of an experimental food web
- Reports: Damp heat–stable perovskite solar cells with tailored-dimensionality 2D/3D heterojunctions
- Reports: Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi
- Reports: Brawn before brains in placental mammals after the end-Cretaceous extinction

- Reports: A spinal microglia population involved in remitting and relapsing neuropathic pain
- Reports: An integrated materials approach to ultra permeable and ultra selective CO2 polymer membranes
- Reports: Complex cognitive algorithms preserved by selective social learning in experimental populations
- Careers: Bucking tradition [Korean feminism]

Science - 8th April - Volume 376, Issue 6589 2 identity, 0 politics

<https://www.science.org/toc/science/376/6589>

- Editorial: New goals for science philanthropy [equity]
- News: News at a glance
- News: New crop of mRNA vaccines aim for accessibility
- News: Congress restores earmarking—but with limits
- News: French election could buoy president's R&D overhaul
- News: Europe tries to save Mars rover after split with Russia
- News: Particle's mass may tip the scales to new physics
- News: Taking a shot at cancer
- Insights: The quest for optimal plant architecture
- Insights: Population genetics meets single-cell sequencing
- Insights: An upset to the standard model
- Insights: Enhancing strength in mineralized collagen
- Insights: There's more to RNA viruses than diseases
- Insights: Unlocking the secrets to Janus kinase activation
- Insights: Policy reforms for antibiotic use claims in livestock
- Books: Investing in what matters most
- Books: Gender, biology, and behavior [gender diversity]
- Letters: Spain's Doñana World Heritage Site in danger
- Letters: US conservation atlas needs biodiversity data
- Letters: Drifting away in the Atlantic
- Research: In Science Journals
- Research: In Other Journals
- Research: Single-cell RNA-seq reveals cell type-specific molecular and genetic associations to lupus
- Research: Single-cell eQTL mapping identifies cell type-specific genetic control of autoimmune disease
- Research: Genome-wide analysis of somatic noncoding mutation patterns in cancer
- Research: Tuning T cell receptor sensitivity through catch bond engineering
- Research: Cryptic and abundant marine viruses at the evolutionary origins of Earth's RNA virome
- Research: Structure of a Janus kinase cytokine receptor complex reveals the basis for dimeric activation
- Research: High-precision measurement of the W boson mass with the CDF II detector
- Reviews: High-entropy nanoparticles: Synthesis-structure-property relationships and



data-driven discovery

- Reports: Functional primordial germ cell–like cells from pluripotent stem cells in rats ●
- Reports: TaCol-B5 modifies spike architecture and enhances grain yield in wheat
- Reports: Topological engineering of terahertz light using electrically tunable exceptional point singularities
- Reports: Mineralization generates megapascal contractile stresses in collagen fibrils ●
- Reports: Orderly disorder in magic-angle twisted trilayer graphene
- Reports: Measurement of a helium tune-out frequency: an independent test of quantum electrodynamics
- Reports: Three-dimensional visualization of nanoparticle lattices and multimaterial frameworks
- Careers: In search of plan B, I found plan A
- Essays: Biomaterials for boosting food security
- Essays: Targeting memories to treat trauma
- Essays: Mutation-guided therapeutics

Science - 15th April - Volume 376, Issue 6590 1 identity, 1 politics

<https://www.science.org/toc/science/376/6590>

- Editorial: Will ARPA-H work?
- News: News at a glance
- News: Global project gears up to study vaccine safety
- News: Earth's oldest land ecosystem spotted in drilled cores
- News: Thermal batteries could back up green power
- News: How a site peddles author slots in reputable publishers' journals ●
- News: Bills to ease cannabis research advance in U.S. Congress
- News: Tiny lab made motors are poised to do useful work
- News: Looking for trouble [bats and pandemics]
- Insights: The fascinating world of biogenic crystals
- Insights: Fullerenes make copper catalysis better
- Insights: Regulatory CD8+ T cells suppress disease
- Insights: Strong and fast hydrogel actuators
- Insights: Citizen science for studying earthquakes
- Insights: Complex regulation of fatty liver disease
- Insights: How the gut talks to the brain
- Insights: Getting genetic ancestry right for science and society [race]
- Books: Confronting climate injustice [mentions racial disparities but is predominantly political]
- Books: The complexity of chronic pain
- Letters: Save Sri Lankan wildlife from foreign smugglers
- Letters: Scientists' right to speak to the press
- Letters: Let's not abandon Russian scientists
- Research: In Science Journals
- Research: In Other Journals
- Research: Compartmentalized dendritic plasticity during associative learning
- Research: Inhibition of nonalcoholic fatty liver disease in mice by selective inhibition of

## mTORC1

- Research: Sphingolipids control dermal fibroblast heterogeneity
- Research: KIR+CD8+ T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19
- Research: Bacterial sensing via neuronal Nod2 regulates appetite and body temperature
- Research: Dynamic compartmental computations in tuft dendrites of layer 5 neurons during motor behavior
- Reviews: Evidence, causes, and consequences of declining nitrogen availability in terrestrial ecosystems
- Reports: Allylic C–H amination cross-coupling furnishes tertiary amines by electrophilic metal catalysis
- Reports: Citizen seismology helps decipher the 2021 Haiti earthquake
- Reports: Ambient-pressure synthesis of ethylene glycol catalyzed by C60-buffered Cu/SiO<sub>2</sub>
- Reports: Amplification of light within aerosol particles accelerates in-particle photochemistry
- Reports: Epithelial monitoring through ligand-receptor segregation ensures malignant cell elimination
- Reports: Hydrogel-based strong and fast actuators by electroosmotic turgor pressure
- Reports: Volumetric additive manufacturing of silica glass with microscale computed axial lithography
- Reports: Complex morphologies of biogenic crystals emerge from anisotropic growth of symmetry-related facets
- Careers: Listen to your body [eating badly and not exercising in grad school]

Science - 22nd April - Volume 376, Issue 6591 0 identity, 0 politics

<https://www.science.org/toc/science/376/6591>

- Editorial: Africa's growing space enterprise
- News: News at a glance
- News: Uranus should be NASA's top target, report finds
- News: China refuses to end harsh lockdowns
- News: Pterosaurs were clad in colorful plumage
- News: Fight mutant cancer cells by ... making more mutations?
- News: Aid keeps researchers afloat in war-torn Ukraine
- News: Dutch dangle bid for gravitational wave detector
- News: Bright lights, big pity
- Insights: A long evolutionary reach for fishing nets
- Insights: Resisting attack by repairing the damage
- Insights: How safe are safety messages?
- Insights: Electrifying membranes to deliver hydrogen
- Insights: Superconductors gain momentum
- Insights: A fresh look at somatic mutations in cancer
- Insights: Repetitive DNA in disease
- Insights: Countering the future chemical weapons threat

- Books: Animal agriculturalists
- Books: Inside the dinosaurs' demise
- Letters: Offshore renewables need an experimental mindset
- Letters: Green energy threatens Chile's Magallanes Region
- Letters: Brazilian pesticides law could poison the world
- Research: In Science Journals
- Research: In Other Journals
- Research: Substitution mutational signatures in whole-genome-sequenced cancers in the UK population
- Research: Can behavioral interventions be too salient? Evidence from traffic safety messages
- Research: Structural basis for potent antibody neutralization of SARS-CoV-2 variants including B.1.1.529
- Research: Ferroelectric crystals with giant electro-optic property enabling ultracompact Q-switches
- Research: ESCRT-mediated membrane repair protects tumor-derived cells against T cell attack
- Research: Computational design of mechanically coupled axle-rotor protein assemblies
- Reviews: Tunable structured light with flat optics
- Reports: Single-step hydrogen production from NH<sub>3</sub>, CH<sub>4</sub>, and biogas in stacked proton ceramic reactors
- Reports: Cell division in tissues enables macrophage infiltration
- Reports: Superconducting spin smecticity evidencing the Fulde-Ferrell-Larkin-Ovchinnikov state in Sr<sub>2</sub>RuO<sub>4</sub>
- Reports: Atomic-scale quantum sensing based on the ultrafast coherence of an H<sub>2</sub> molecule in an STM cavity
- Reports: Optical absorption of interlayer excitons in transition-metal dichalcogenide heterostructures
- Reports: Controlling Ni redox states by dynamic ligand exchange for electroreductive Csp<sup>3</sup>-Csp<sup>2</sup> coupling
- Reports: Organometallic-functionalized interfaces for highly efficient inverted perovskite solar cells
- Reports: Rapid evolution in salmon life history induced by direct and indirect effects of fishing
- Careers: Nurturing my ambitions

Science - 29th April - Volume 376, Issue 6592 2 identity,

<https://www.science.org/toc/science/376/6592>

- Editorial: Removing a barrier to equity [getting rid of the GRE]
- News: News at a glance
- News: Deadly flu spreads through North American birds
- News: India's speedy vaccine approvals come under fire
- News: NYU may hire biologist pushed out of MIT [sexual misconduct]
- News: Nicaragua's universities stagger under government pressure

- News: First self-copying mRNA vaccine proves itself in pandemic trial
- News: Math professor's trial next test of China Initiative
- News: A quantum sense for dark matter
- Insights: A stark future for ocean life [climate change]
- Insights: From outbreaks to endemic disease
- Insights: A granular approach to electrode design
- Insights: Why do animals want what they like?
- Insights: An adsorbent with flexible nanoscopic pores
- Insights: Resurgence of avian influenza virus
- Insights: Eugene N. Parker (1927–2022)
- Insights: A global system for the next generation of vaccines
- Books: Landscapes of the Anthropocene
- Books: Rethinking the “Western” revolution in science
- Letters: Evolutionary risks of osprey translocations
- Letters: How to weaken Russian oil and gas strength
- Letters: A global plastic treaty must cap production
- Research: In Science Journals
- Research: In Other Journals
- Research: Stepwise-edited, human melanoma models reveal mutations' effect on tumor and microenvironment
- Research: Ancestry-inclusive dog genomics challenges popular breed stereotypes
- Research: Cancer cells use self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress
- Research: Molecular and neural basis of pleasant touch sensation
- Research: In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework
- Reports: Dynamics of CTCF- and cohesin-mediated chromatin looping revealed by live-cell imaging
- Reports: Piezoionic mechanoreceptors: Force-induced current generation in hydrogels
- Reports: Food wanting is mediated by transient activation of dopaminergic signaling in the honey bee brain
- Reports: Rabies shows how scale of transmission can enable acute infections to persist at low prevalence
- Reports: Dynamics of particle network in composite battery cathodes
- Reports: A gamma-ray pulsar timing array constrains the nanohertz gravitational wave background
- Reports: Avoiding ocean mass extinction from climate warming
- Reports: Scaffold hopping by net photochemical carbon deletion of azaarenes
- Reports: Accelerating reaction generality and mechanistic insight through additive mapping
- Careers: Scientist and artist

Science - 6th May - Volume 376, Issue 6593 2 identity, 0 politics

<https://www.science.org/toc/science/376/6593>

## ● Editorial: Faculty must lead inclusion

- News: News at a glance
- News: Bids for Anthropocene's 'golden spike' emerge
- News: Census aims for better U.S. statistical portrait
- News: Doubt cast on inflammation's stop signals
- News: Germany weighs whether culling excess lab animals is a crime
- News: Balloon detects first signs of 'sound tunnel' in the sky
- News: Taught to the test
- Insights: Using genomics to fight extinction
- Insights: Giving entangled photons new colors
- Insights: Groundwater under Antarctica goes deep
- Insights: Sunscreens threaten coral survival
- Insights: Rapid response modeling of SARS-CoV-2 transmission
- Insights: Bacterial species rarely work together
- Insights: Save the Mekong Delta from drowning
- Books: The changing story of seafood
- Books: Hidden influences [about spirits in anthropology - not including this, though it critiques western kantian philosophy without offering a counter argument]
- Letters: Tree planting goals must account for wildfires
- Letters: Adapt biodiversity targets to climate change
- Letters: Air quality education in public schools
- Research: In Science Journals
- Research: In Other Journals
- Research: The geometry of domain-general performance monitoring in the human medial frontal cortex
- Research: Increased risk of SARS-CoV-2 reinfection associated with emergence of Omicron in South Africa
- Research: Land-use emissions embodied in international trade
- Research: The state of zinc in methanol synthesis over a Zn/ZnO/Cu(211) model catalyst
- Research: Z-DNA binding protein 1 promotes heatstroke-induced cell death
- Reviews: Recovering wetland biogeomorphic feedbacks to restore the world's biotic carbon hotspots
- Reports: Highly efficient catalytic production of oximes from ketones using in situ-generated H<sub>2</sub>O<sub>2</sub>
- Reports: Tunable and state-preserving frequency conversion of single photons in hydrogen
- Reports: Cuticular pad-inspired selective frequency damper for nearly dynamic noise-free bioelectronics
- Reports: Idiosyncratic epistasis leads to global fitness-correlated trends
- Reports: The critically endangered vaquita is not doomed to extinction by inbreeding depression
- Reports: A dynamic saline groundwater system mapped beneath an Antarctic ice stream
- Reports: Conversion of oxybenzone sunscreen to phototoxic glucoside conjugates by sea

anemones and corals

- Reports: Emergent ferroelectricity in subnanometer binary oxide films on silicon
- Reports: A stronger role for long-term moisture change than for CO<sub>2</sub> in determining tropical woody vegetation change
- Careers: What I promised my mother [a racism complaint]

Science - 13th May - Volume 376, Issue 6594 1 politics, 2 identity

<https://www.science.org/toc/science/376/6594>

- Editorial: It ain't over 'til it's over [complaining Biden calling an end to covid]
- News: News at a glance
- News: New subvariants are masters of immune evasion
- News: Better lipids to power next generation of mRNA vaccines
- News: Wrestling with bird flu, Europe considers once-taboo vaccines ●
- News: Pandemic delays continue to plague polar science
- News: Odds for winning NSF grants improve as competition eases ●
- News: 'Hot' climate models exaggerate Earth impacts
- News: The bias hunter
- Insights: The limits of forest carbon sequestration
- Insights: Immune cells impede repair of old neurons
- Insights: Mapping cell types across human tissues
- Insights: Recording bacterial responses to changes in the gut environment ●
- Insights: Beating natural proteins at filtering water
- Insights: Anomalous fluid flow in quantum systems
- Insights: Investor-state disputes threaten the global green energy transition ●
- Books: Rethinking genetic disease
- Books: The becoming of the human brain
- Letters: India must protect Himalayan headwaters
- Letters: Addressing patent gender disparities
- Letters: Advancing racial equity in Brazil's academia
- Research: In Science Journals
- Research: In Other Journals
- Research: Reversible CD8 T cell–neuron cross-talk causes aging-dependent neuronal regenerative decline
- Research: Single-nucleus cross-tissue molecular reference maps toward understanding disease gene function
- Research: The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans
- Research: Cross-tissue immune cell analysis reveals tissue-specific features in humans
- Research: Noninvasive assessment of gut function using transcriptional recording sentinel cells
- Research: Quantum gas microscopy of Kardar-Parisi-Zhang superdiffusion
- Research: Observing emergent hydrodynamics in a long-range quantum magnet
- Research: Paradoxical somatodendritic decoupling supports cortical plasticity during REM sleep

- Research: Highly enhanced ferroelectricity in HfO<sub>2</sub>-based ferroelectric thin film by light ion bombardment
- Reports: Ultrafast water permeation through nanochannels with a densely fluorinated interior surface
- Reports: High-resolution mapping of losses and gains of Earth's tidal wetlands
- Reports: Modular access to substituted cyclohexanes with kinetic stereocontrol ●
- Reports: Recovery mechanisms in the dragonfly righting reflex
- Reports: Cross-biome synthesis of source versus sink limits to tree growth
- Reports: Scalable processing for realizing 21.7%-efficient all-perovskite tandem solar modules
- Careers: Second chances [Chinese gay man drops out but later does PhD]

Science - 20th May - Volume 376, Issue 6595 2 identity, 0 politics

<https://www.science.org/toc/science/376/6595>

- Editorial: The Court is ignoring science [abortion]
- News: News at a glance
- News: 'COVID-ization' of research levels off
- News: Do you hate your face mask? There's hope [making a better one] ●
- News: Shadow of Milky Way's giant black hole revealed
- News: Soils' coating helps keep dust storms at bay
- News: NIH rolls out stricter disclosure rules for sexual harassment ●
- News: The forest forecast [climate change]
- Insights: Managing forests for competing goals
- Insights: Mitochondrial complex complexification
- Insights: Fossil imprints from oceans of the past
- Insights: T cell immune responses deciphered
- Insights: Can internet use become addictive?
- Insights: Electric buzz in a glass of pure water
- Insights: Law, policy, biology, and sex: Critical issues for researchers
- Books: Shaping Earth in our image
- Books: The fastest R&D lab on the planet
- Letters: Good science requires better animal welfare
- Letters: Indigenous lands protect Brazil's agribusiness
- Letters: Irrawaddy dolphins continue to decline
- Research: In Science Journals
- Research: In Other Journals
- Research: All topological bands of all nonmagnetic stoichiometric materials
- Research: Posttranslational modification of microtubules by the MATCAP dephosphorylase
- Research: Oligodendrocyte precursors guide interneuron migration by unidirectional contact repulsion
- Research: The deubiquitinase USP8 targets ESCRT-III to promote incomplete cell division
- Research: Epistatic drift causes gradual decay of predictability in protein evolution
- Research: Structures of Tetrahymena's respiratory chain reveal the diversity of

eukaryotic core metabolism

- Research: The biodiversity and ecosystem service contributions and trade-offs of forest restoration approaches
- Research: Structure of the human inner kinetochore bound to a centromeric CENP-A nucleosome
- Reports: Global record of “ghost” nanofossils reveals plankton resilience to high CO<sub>2</sub> and warming
- Reports: Recognition of pathogen-derived sphingolipids in Arabidopsis
- Reports: Enhanced charge density wave coherence in a light-quenched, high-temperature superconductor
- Reports: Multispecies forest plantations outyield monocultures across a broad range of conditions
- Reports: Directed evolution of nonheme iron enzymes to access abiological radical-relay C(sp<sup>3</sup>)-H azidation
- Reports: Optical interferometry-based array of seafloor environmental sensors using a transoceanic submarine cable
- Reports: Universal antigen encoding of T cell activation from high-dimensional cytokine dynamics
- Careers: Don't panic [doing well even when making social mistakes]

Science - 27th May - Volume 376, Issue 6596 2 identity, 0 politics

<https://www.science.org/toc/science/376/6596>

- The systemic microbiome: A multiplicity of microbiomes
- The systemic microbiome: The effects of oral microbiota on health
- The systemic microbiome: Modulating brain function with microbiota
- The systemic microbiome: Microbiota-brain axis: Context and causality
- The systemic microbiome: Microbiota and maintenance of skin barrier function
- The systemic microbiome: Immune-microbe interactions early in life: A determinant of health and disease long term
- The systemic microbiome: Local barriers configure systemic communications between the host and microbiota
- Editorial: Mental health care 2.0
- News: News at a glance
- News: Monkeypox outbreak questions intensify as cases soar [identity related stigma mentioned in passing but is minor so not included]
- News: Japan tries—again—to revitalize its research
- News: End draws near for lander that mapped the interior of Mars ●
- News: Coronavirus, adenovirus, or both? Hepatitis poses mystery ●
- News: Engineered tomatoes get a healthy dose of vitamin D
- News: Hughes bets ‘happy labs’ will boost diversity
  
- News: Falling star [Brazilian space research centre failing]
- News: No model is perfect, but some are useful
- News: Delta-scale solutions for human-scale needs



- News: Remote control of the heart and beyond
- News: Antibiotics made to order
- News: How full is the evolutionary fuel tank?
- News: Actions for reducing US emissions at least 50% by 2030
- Books: The myth of the lost white tribe [attack on manifest destiny]
- Books: Food for All in Africa: Sustainable Intensification for African Farmers
- Books: Implied but unseen [dark matter]
- Letters: War serves as excuse for Amazon destruction
- Letters: Drug building blocks and libraries at risk in Ukraine
- Letters: Protecting global marine animal forests
- Research: In Science Journals
- Research: In Other Journals
- Research: Chromatin profiles classify castration-resistant prostate cancers suggesting therapeutic targets
- Research: Persistent influence of precession on northern ice sheet variability since the early Pleistocene
- Research: FTO mediates LINE1 m6A demethylation and chromatin regulation in mESCs and mouse development
- Research: Ferroelectricity in untwisted heterobilayers of transition metal dichalcogenides
- Research: Hydrotrioxide (ROOOH) formation in the atmosphere
- Research: Dynamic interplay between metal nanoparticles and oxide support under redox conditions
- Reports: Where rivers jump course
- Reports: Bioinformatic prospecting and synthesis of a bifunctional lipopeptide antibiotic that evades resistance
- Reports: The CD8 $\alpha$ -PILR $\alpha$  interaction maintains CD8 $^+$  T cell quiescence
- Reports: Models predict planned phosphorus load reduction will make Lake Erie more toxic
- Reports: A transient, closed-loop network of wireless, body-integrated devices for autonomous electrotherapy
- Reports: Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals
- Careers: Setting myself free [banker returns to research, complains about issue with racism]

## SCIENCE 2002

Science - 1st March - Volume 295, Issue 5560 0 politics, 1 identity

<https://www.science.org/toc/science/295/5560>

- Introduction: Whole-istic Biology
- This Week in Science
- Editorial: Beauty and the Beast [Botox]
- Editors' Choice: Watchful Waking

- Editors' Choice: Leaving Their Mark
- Editors' Choice: Patterning Thin Films with Water
- Editors' Choice: Matching Milankovitch
- Editors' Choice: A Tough Day Out for Nostoc
- Editors' Choice: Swing Your Partners
- Editors' Choice: Destroying to Rebuild
- Netwatch: RESOURCES: Phylogeny Forest
- Netwatch: COMMUNITY SITE: Let's Get Small
- Netwatch: LINKS: A Haul of How-To's
- Netwatch: IMAGES: Micro Gallery
- Netwatch: TOOLS: Tagging Honeybee Genes
- News of the Week: Disappointing Data Scuttle Plans for Large-Scale AIDS Vaccine Trial
- News of the Week: Has GM Corn 'Invaded' Mexico?
- News of the Week: NAS Asks for More Scrutiny of GM Crops
- News of the Week: T. rex Was No Runner, Muscle Study Shows
- News of the Week: Solar System Kicks Up Its Own Dust
- News of the Week: Reforms Would Loosen Bonds, Cut Safety Net ● News of the Week: NASA Decision Not Suited for Women [interest in biomedical data not in equality]
- News of the Week: CDC Head's Resignation Expands Leadership Void ●
- News of the Week: Battle Heats Up Over Mammography Benefits
- News of the Week: Clear-Cut Publication Rules Prove Elusive
- Sciencscope: Debate Down Under
- Sciencscope: Fish Fight
- Sciencscope: Patent Fight, Round 2
- Sciencscope: Loka Lucre
- Random Samples: Silver Fleecing
- Random Samples: Metaphor of the Week
- Random Samples: NAE Elects New Members
- Random Samples: Mushroom Mecca
- News Focus: Forest Biotech Edges Out of the Lab
- News Focus: Can Genetic Engineering Help Restore 'Heritage' Trees? ●
- News Focus: New State of Matter Not So New?
- News Focus: Elbow Room and New Jewelry
- News Focus: Viral Threat to Newborns Under Radar
- News Focus: 'Earth Simulator' Puts Japan on the Cutting Edge ●
- News Focus: Tangled Roots? Genetics Meets Genealogy
- Letters: This Week's Letters
- Letters: Issues in Amazonian Development
- Letters: Healthy Discussion of Planetary Science Goals
- Letters: The Nationality of a Naturalist
- Letters: Corrections and Clarifications
- Books: Time, Space, and Us
- Books: Marvelous Machines Made of Meat
- Essays: Scientist, Technologist, Proto-Feminist, Superstar [Marie Curie]
- Perspectives: Does BDNF Have Pre- or Postsynaptic Targets?

- Perspectives: Blood Out of a Stone
- Perspectives: A Pit Stop at the ER
- Perspectives: Making a Network of Hydrophobic Clusters
- Perspectives: Close Before Opening
- Perspectives: The Next Frontier
- Brevia: Flight of the Dodo
- Reports: Extraction of Black Hole Rotational Energy by a Magnetic Field and the Formation of Relativistic Jets
- Reports: Quantum Impurities in the Two-Dimensional Spin One-Half Heisenberg Antiferromagnet
- Reports: Micro/Nano Encapsulation via Electrified Coaxial Liquid Jets
- Reports: A Thermally Re-mendable Cross-Linked Polymeric Material
- Reports: Protein Nanoarrays Generated By Dip-Pen Nanolithography
- Reports: Niobium-Zirconium Chronometry and Early Solar System Development
- Reports: Imaging Sites of Receptor Dephosphorylation by PTP1B on the Surface of the Endoplasmic Reticulum
- Reports: Discrete Microdomains with High Concentration of cAMP in Stimulated Rat Neonatal Cardiac Myocytes
- Reports: Structural Basis of Gating by the Outer Membrane Transporter FecA
- Reports: Long-Range Interactions Within a Nonnative Protein
- Reports: A Functional Screen for the Type III (Hrp) Secretome of the Plant Pathogen *Pseudomonas syringae*
- Reports: Colorectal Cancer in Mice Genetically Deficient in the Mucin Muc2
- Reports: Postsynaptic Induction of BDNF-Mediated Long-Term Potentiation
- Reports: Divided by Cytochrome Oxidase: A Map of the Projections from V1 to V2 in Macaques
- Reports: Placebo and Opioid Analgesia-- Imaging a Shared Neuronal Network ●
- Research Articles: Constraints in the Evolution of Sex Ratio Adjustment
- Special Reviews: Systems Biology: A Brief Overview
- Special Reviews: Reverse Engineering of Biological Complexity
- Special Reviews: A Genomic Regulatory Network for Development
- Special Reviews: Modeling the Heart--from Genes to Cells to the Whole Organ

Science - 8th March - Volume 295, Issue 5561 0 politics, 0 identity

<https://www.science.org/toc/science/295/5561>

- This Week in Science
- Editorial: To Publish or Not to Publish [controversial paper on neutron emission] ●
- Editor's Choice: Receptor Slide Show
- Editor's Choice: Brimming Bromeliads
- Editor's Choice: Right on Target
- Editor's Choice: Fueling Tumor Growth
- Editor's Choice: Working Together
- Editor's Choice: A Record of Holocene N<sub>2</sub>O
- Editor's Choice: Still Twisted After All These Years
- Editor's Choice: Magnetic Minerals Made from Scratch

- Netwatch: DATABASE: Angling for Viruses
- Netwatch: EXHIBITS: Wisdom From the Top Docs
- Netwatch: NET NEWS: Link Rot Infests Internet
- Netwatch: BIBLIOGRAPHY: Primates in Print
- News of the Week: 'Bubble Fusion' Paper Generates a Tempest in a Beaker ●
- News of the Week: New Culprit Emerges in River Blindness
- News of the Week: Delays Jeopardize Italian Program
- News of the Week: Earliest Signs of Life Just Oddly Shaped Crud? ●
- News of the Week: Stellar Flares Illuminate Young Sun's Outbursts ●
- News of the Week: Japan Hopes Casings Will Do the Trick
- News of the Week: Canada Gives OK for New Cell Lines
- News of the Week: Guppy Sex and Gluttony Guided by Orange Glow ●
- News of the Week: Greens See Red Over Revisionist's New Job
- News of the Week: Taking Aim at Celera's Shotgun
- Sciencscope: Thou Shalt Share
- Sciencscope: Plugging Holes
- Sciencscope: Marine Research?
- Sciencscope: The Beat Goes On
- Sciencscope: Mouse Pact
- Sciencscope: Rave Review
- Random Samples: Double Header
- Random Samples: Cheering for Neutrinos
- Random Samples: Ocean Rx
- Random Samples: Darwin's Bottles
- News Focus: In the Mideast, Pushing Back the Stem Cell Frontier ●
- News Focus: Are Any Two Cell Lines the Same?
- News Focus: Salt Fingers Mix the Sea
- News Focus: Mussels on the Move
- News Focus: Coastal Cool-Down
- News Focus: How Fast Can an Old Dog Learn New Tricks?
- Letters: This Week's Letters
- Letters: A Global Experiment Under Way
- Letters: Modeling Macroscopic Patterns in Ecology
- Letters: Corrections and Clarifications
- Books: Between the Ivory Tower and the Market
- Books: Browsings
- Books: Books Received .
- Policy Forum: Decision-Making When Science Is Ambiguous
- Perspectives: PMF Through the Redox Loop
- Perspectives: What the Synapse Tells the Neuron
- Perspectives: From Reactive Intermediates to Stable Compounds
- Perspectives: Unlocking the Gates to Gene Expression
- Perspectives: A Mixed Oxide-Hydride Perovskite
- Perspectives: Evidence for Nuclear Reactions in Imploding Bubbles ●
- Perspectives: Mixing and De-mixing

- Brevia: Prevention of Inhalational Anthrax in the U.S. Outbreak
- Reports: Detecting Energy Emissions from a Rotating Black Hole
- Reports: Spontaneous Air-Driven Separation in Vertically Vibrated Fine Granular Mixtures
- Reports: Singlet Diradicals: from Transition States to Crystalline Compounds ●
- Reports: The Hydride Anion in an Extended Transition Metal Oxide Array: LaSrCoO<sub>3</sub>H<sub>0.7</sub>
- Reports: Water in Earth's Lower Mantle
- Reports: Repeated and Sudden Reversals of the Dipole Field Generated by a Spherical Dynamo Action
- Reports: Antarctic Krill Under Sea Ice: Elevated Abundance in a Narrow Band Just South of Ice Edge
- Reports: The Role of Endosymbiotic Wolbachia Bacteria in the Pathogenesis of River Blindness
- Reports: Regulation of Corepressor Function by Nuclear NADH
- Reports: Mannose Receptor-Mediated Regulation of Serum Glycoprotein Homeostasis
- Reports: Coordination of PIC Assembly and Chromatin Remodeling During Differentiation-Induced Gene Activation
- Reports: Purkinje cell degeneration (pcd) Phenotypes Caused by Mutations in the Axotomy-Induced Gene, Nna1
- Reports: Dependence of EPSP Efficacy on Synapse Location in Neocortical Pyramidal Neurons
- Reports: Parallel Single-Cell Monitoring of Receptor-Triggered Membrane Translocation of a Calcium-Sensing Protein Module
- Research: Molecular Basis of Proton Motive Force Generation: Structure of Formate Dehydrogenase-N
- Research: Evidence for Nuclear Emissions During Acoustic Cavitation
- Review: Molecular Chaperones in the Cytosol: from Nascent Chain to Folded Protein

Science - 15th March - Volume 295, Issue 5562 0 politics, 0 identity

<https://www.science.org/toc/science/295/5562>

- Introduction: Unmet Needs in Public Health
- This Week in Science
- Editorial: Chemical Ecology: Missed Opportunities?
- Editor's Choice: Membrane Sorting
- Editor's Choice: Opportunistic Enzyme Evolution
- Editor's Choice: Keeping an Eye on the Pulse
- Editor's Choice: It's Not Just Another Phase
- Editor's Choice: That's Not Dust, It's Data
- Editor's Choice: Manufacturing snRNPs
- Netwatch: EDUCATION: Chasing Shadows
- Netwatch: RESOURCES: The Business of Conservation
- Netwatch: RESOURCES: Aerial Attack
- Netwatch: IMAGES: Fly by Night

- News of the Week: Zerhouni Seems Headed for NIH, and New Scrap Over Stem Cells
- News of the Week: A Spin-Off With Vision
- News of the Week: Studies Cast Doubt on Plasticity of Adult Cells ●
- News of the Week: South Korea Scrambles to Fill Ph.D. Slots
- News of the Week: New Observations Give Stripes Theory a Lift
- News of the Week: Academic Science Gets Big Boost in Budget
- News of the Week: Small Particles Add Up to Big Disease Risk
- News of the Week: Two Satellites Get New Lease on Life
- News of the Week: New Cancer Center Makes a Big Splash
- News of the Week: Neurons Weigh Options, Come to a Decision ●
- News of the Week: Stellar Pair Whirls in a 5-Minute Dash
- Sciencscope: Southern Light
- Sciencscope: Protein Probes
- Sciencscope: Getting to Basics
- Sciencscope: Tower Study Pushed
- Sciencscope: Victory Procured
- Random Samples: Battle Heats Up Over Cloning
- Random Samples: Museums of the Future
- Random Samples: Evolution Champion
- Random Samples: Call From Home
- News Focus: U.S. Vaccine Supply Falls Seriously Short
- News Focus: Gates Foundation Rearranges Public Health Universe ●
- News Focus: Dead Virus Walking
- News Focus: Is Live Smallpox Lurking in the Arctic?
- News Focus: 'Destructionists' Fight to Keep a Dream Alive
- News Focus: Between a Rock and a Hard Place
- Letters: This Week's Letters
- Letters: Health Science and National Security
- Letters: In Good Company with Newton and God
- Letters: A South African Perspective on 2001
- Letters: Facts of Political Life
- Letters: Corrections and Clarifications
- Books: Heroic Battles of the Protein Wars
- Books: Nota Bene: Creature, Heal Thyself
- Policy Forum: Soil Fertility and Hunger in Africa
- Perspectives: Seeking New Recruits
- Perspectives: Tracking Hexavalent Cr in Groundwater
- Perspectives: A Dusty Business
- Perspectives: East of Eden at the Paleocene/Eocene Boundary
- Perspectives: A Perfect Mismatch
- Perspectives: A Tail of Two Specifi-cities
- Perspectives: Resisting Attack
- Tech.Sight: Analyzing Biomolecular Interactions
- Brevia: Extensive Fungal Diversity in Plant Roots

- Reports: Atom-Resolved Imaging of Dynamic Shape Changes in Supported Copper Nanocrystals
- Reports: Lateral Hopping of Molecules Induced by Excitation of Internal Vibration Mode
- Reports: Laser-Induced Selectivity for Dimerization Versus Polymerization of Butadiene Under Pressure
- Reports: Chromium Isotopes and the Fate of Hexavalent Chromium in the Environment
- Reports: Mammalian Dispersal at the Paleocene/Eocene Boundary ●
- Reports: Natural Iron Isotope Variations in Human Blood
- Reports: Metabolic Activity of Subsurface Life in Deep-Sea Sediments
- Reports: Demographic Characteristics and Population Dynamical Patterns of Solitary Birds
- Reports: The RAR1 Interactor SGT1, an Essential Component of R Gene-Triggered Disease Resistance
- Reports: Regulatory Role of SGT1 in Early R Gene-Mediated Plant Defenses
- Reports: Structure of HP1 Chromodomain Bound to a Lysine 9-Methylated Histone H3 Tail
- Reports: Structural Insights into Group II Intron Catalysis and Branch-Site Selection
- Reports: Living with Lethal PIP3 Levels: Viability of Flies Lacking PTEN Restored by a PH Domain Mutation in Akt/PKB
- Reports: Reverse Transcriptase-Mediated Tropism Switching in Bordetella Bacteriophage
- Reports: Influence of SHIP on the NK Repertoire and Allogeneic Bone Marrow Transplantation
- Reports: Effectiveness of Donor Natural Killer Cell Alloreactivity in Mismatched Hematopoietic Transplants
- Special Reviews: Erasing the World's Slow Stain: Strategies to Beat Multidrug-Resistant Tuberculosis
- Special Reviews: Responding to the Challenge of Communicable Disease in Europe ●
- Special Viewpoints: Improving the Health of the Global Poor
- Special Viewpoints: Resources Required for Global Tuberculosis Control ●
- Technical Comments: Superconductivity in a Spin-Ladder Cuprate

Science - 22nd March - Volume 295, Issue 5563 0 politics, 0 identity

<https://www.science.org/toc/science/295/5563>

- This Week in Science
- Editorial: John Gardner: A Salute
- Editor's Choice: Side Arms Change Pitch
- Editor's Choice: Here Now, Gone Later
- Editor's Choice: Forest Productivity
- Editor's Choice: New Host for Old Pathogen
- Editor's Choice: Stellar Signatures
- Editor's Choice: Admirable Self Restraint
- Editor's Choice: Nanofiber Tightrope

- Editor's Choice: Happy Motoring
- Netwatch: RESOURCES: Ant Mound
- Netwatch: DATABASE: Sea-Floor Sampler
- Netwatch: DATABASE: Rat Cartography
- Netwatch: EXHIBITS: The Pauling Files
- News of the Week: Statistical Analysis Provides Key Links in Milosevic Trial ●
- News of the Week: Dam Threatens Iraqi Ancient Sites
- News of the Week: Scientists Deplore OK for Sturgeon Catch
- News of the Week: Engineers Marginalized, MIT Report Concludes
- News of the Week: African Skull Points to One Human Ancestor
- News of the Week: The Good, the Bad, and the Anterior Cingulate
- News of the Week: Distant Galaxy Heralds End of Dark Ages
- News of the Week: Whisper of Magnetism Tells Molecules Apart
- News of the Week: Judge Reverses Decision on Fingerprint Evidence ●
- News of the Week: Ancient DNA Untangles Evolutionary Paths
- Sciencscope: Stem Cell Showdown
- Sciencscope: Tiny Combat
- Sciencscope: New Face at CNRS?
- Sciencscope: Misconduct Defined
- Random Samples: Hands-Free Colonoscopy
- Random Samples: Prizes for All Tenses
- Random Samples: Streams Harbor Chemical Potpourri
- Random Samples: Standing Up for DNA
- News focus: Setbacks for Endostatin
- News focus: Reseeding Project Offers Aid to Strapped Afghani Farmers ●
- News focus: California Tries to Rub Out the Monster of the Lagoon
- News focus: New Annual Survey Brings Census Into 21st Century
- News focus: Unusual Venture Helps Make the Sky Affordable
- News focus: Working Outside the Protein-Synthesis Rules
- Letters: This Week's Letters
- Letters: Heisenberg and Bohr--Another View
- Letters: Survey of Foreign Recipients of U.S. Ph.D.'s
- Letters: Letter of Appreciation
- Letters: Cholesterol's Role in Synapse Formation
- Books: Keeping Pace with Opportunistic DNA
- Books: Bridging the Genotype-Phenotype Gap
- Books: Books Received
- Essays: The Seven Pillars of Life
- Policy Forum: The Past and Future of University Research Reactors ●
- Perspectives: Skiing Toward Nonstop mRNA Decay
- Perspectives: Steric and Solvent Effects in Ionic Reactions ●
- Perspectives: The Beginning of Time
- Perspectives: The True Colors of Cuprates
- Perspectives: Blowing Hot and Cold



- Perspectives: Hot and Cold TRP Ion Channels
- Perspectives: Of Predators, Prey, and Power Laws
- Brevia: Self-Assembled Magnetic Matrices for DNA Separation Chips
- Reports: Superconductivity-Induced Transfer of In-Plane Spectral Weight in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$
- Reports: Noble Gas-Actinide Compounds: Complexation of the CUO Molecule by Ar, Kr, and Xe Atoms in Noble Gas Matrices
- Reports: Steric Effects and Solvent Effects in Ionic Reactions
- Reports: Liquid-State NMR and Scalar Couplings in Microtesla Magnetic Fields
- Reports: Low-Frequency Signals in Long Tree-Ring Chronologies for Reconstructing Past Temperature Variability
- Reports: Coda Wave Interferometry for Estimating Nonlinear Behavior in Seismic Velocity
- Reports: Adaptive Immune Response of  $\text{V}\gamma 2\text{V}\delta 2^+$  T Cells During Mycobacterial Infections
- Reports: An mRNA Surveillance Mechanism That Eliminates Transcripts Lacking Termination Codons
- Reports: Exosome-Mediated Recognition and Degradation of mRNAs Lacking a Termination Codon
- Reports: Brain to Plasma Amyloid- $\beta$  Efflux: a Measure of Brain Amyloid Burden in a Mouse Model of Alzheimer's Disease
- Reports: Dynamics of Pleistocene Population Extinctions in Beringian Brown Bears ●
- Reports: Rates of Evolution in Ancient DNA from Adélie Penguins
- Reports: A Common Rule for the Scaling of Carnivore Density
- Reports: Neuronal Calcium Sensor 1 and Activity-Dependent Facilitation of P/Q-Type Calcium Currents at Presynaptic Nerve Terminals
- Reports: The Medial Frontal Cortex and the Rapid Processing of Monetary Gains and Losses
- Reports: Control of Synaptic Strength by Glial  $\text{TNF}\alpha$ 
  - Review: Pituitary Development: Regulatory Codes in Mammalian Organogenesis

Science - 29th March - Volume 295, Issue 5564 0 politics, 0 identity

<https://www.science.org/toc/science/295/5564>

- Introduction: Strength in Numbers
- This Week in Science
- Editorial: Biological Weapons and International Law
- Editor's choice: Fault, Heal Thyself
- Editor's choice: The Long and the Short of It
- Editor's choice: Mercury at Dawn
- Editor's choice: Pausing Signals
- Editor's choice: Like an Enzyme
- Editor's choice: Seeing Beneath the Surface
- Netwatch: IMAGES: Cannes of Worms
- Netwatch: EXHIBIT: Call of the Congo
- Netwatch: RESOURCES: Demographer's Delight

- Netwatch: EDUCATION: Science for the People
- Departments: AAAS News 8 Notes
- News of the Week: DARPA and Jason Divorce in Spat Over Membership ●
- News of the Week: Cost Overruns Will Hit Research at CERN
- News of the Week: Cosmic Ripples Confirm Universe Speeding Up ●
- News of the Week: Academic Reform Law Made More Flexible
- News of the Week: Deep Quakes Slow But Very Steady
- News of the Week: Will Congress Catch EPA's Falling STAR?
- News of the Week: Neurons Turn a Blind Eye to Eye Movements ●
- News: Chemists Look to Follow Biology Lead
- News: Can Chemists Assemble a Future for Molecular Electronics? ●
- News: Building Better Photonic Crystals
- Sciencscope: Making It Official
- Sciencscope: Stem Cells United
- Sciencscope: Pondering Quality
- Sciencscope: India OKs GM Cotton
- Random Samples: Darker Skies Over Europe
- Random Samples: Antarctic Ice Shelf Collapses
- Random Samples: Guts for the Masses
- Random Samples: Want to Go for a Spin?
- News Focus: Chromosome End Game Draws a Crowd
- News Focus: Tackling Cancer at the Telomeres
- News Focus: Microbiologists on the Trail of Polluting Bacteria ●
- News Focus: Is E. coli Distinct Enough to Join the Hunt?
- News Focus: Biologist Wins Battle Over Bureaucratic Fungus ●
- News Focus: Economic Crash Brings Ill Winds for Science
- News Focus: Getting the Behavior of Social Insects to Compute ●
- Letters: This Week's Letters
- Letters: Why Conservationists Should Heed Pokémon
- Letters: Assessing the Megatons to Megawatts Program
- Letters: Aristotle's View of a Creator
- Books: Waiting for the Watchmaker (anti-Intelligent Design)
- Books: Keeping Swaying Bridges from Falling Down
- Books: Browsings
- Books: Books Received
- Policy Forum: Science and the Convention on Biological Diversity (politics) ●
- Perspectives: Ice Sheet Collapse and Sea Level Change
- Perspectives: The Effects of Media Violence on Society (psychology) ●
- Perspectives: The Study of Superfloods
- Perspectives: Defining the "S" in SERMs
- Perspectives: RETROSPECTIVE: Max Perutz (1914-2002)
- Perspectives: Moving Through the Landscape
- Perspectives: Deformation of Nanostructures
- Brevia: Periodic Slow Earthquakes from the Cascadia Subduction Zone ●
- Reports: Hybrid Nanorod-Polymer Solar Cells

- Reports: Theory of Quantum Annealing of an Ising Spin Glass
- Reports: A Phase Separation Model for the Nanopatterning of Diatom Biosilica
- Reports: Atomic-Level Observation of Disclination Dipoles in Mechanically Milled, Nanocrystalline Fe
- Reports: Orbital Influence on Earth's Magnetic Field: 100,000-Year Periodicity in Inclination
- Reports: Sea-Level Fingerprinting as a Direct Test for the Source of Global Meltwater Pulse 1A
- Reports: Role of a Ubiquitin-Like Modification in Polarized Morphogenesis
- Reports: Senescence Induced by Altered Telomere State, Not Telomere Loss
- Reports: Redox Regulation of Forkhead Proteins Through a p66shc-Dependent Signaling Pathway
- Reports: Visualization of a Ran-GTP Gradient in Interphase and Mitotic Xenopus Egg Extracts
- Reports: Systemic RNAi in *C. elegans* Requires the Putative Transmembrane Protein SID-1
- Reports: Neural Mechanisms of Saccadic Suppression
- Reports: Cortical Neurons Encoding Path and Place: Where You Go Is Where You Are
- Reports: Molecular Determinants for the Tissue Specificity of SERMs
- Reports: Television Viewing and Aggressive Behavior During Adolescence and Adulthood (semi political)
- Review: Matrix Metalloproteinase Inhibitors and Cancer—Trials and Tribulations ●
- Special Viewpoints: Toward Self-Organization and Complex Matter
- Special Viewpoints: Synthesis Beyond the Molecule
- Special Viewpoints: Functional Materials Based on Self-Assembly of Polymeric Supramolecules
- Special Viewpoints: Crystal Engineering: from Structure to Function
- Special Viewpoints: Self-Assembly of Phase-Segregated Liquid Crystal Structures ●
- Special Viewpoints: Self-Assembly at All Scales

Science - 5th April - Volume 296, Issue 5565 0 politics, 0 identity

<https://www.science.org/toc/science/296/5565>

- This Week in Science
- Editorial: The Importance of Rice
- Editor's Choice: Affiliative Felids
- Editor's Choice: Breaking Through the Crust
- Editor's Choice: Capital Investment
- Editor's Choice: Smoking Catalysts
- Editor's Choice: Estrogen and Learning
- Editor's Choice: All Over the Joint
- Editor's Choice: Powering Up in Single Mode
- Editor's Choice: Fatty Acids and Synaptic Strength
- Netwatch: Plants' Family Tree
- Netwatch: Solar System Spectacular
- Netwatch: Checking Cellular IDs

- Netwatch: Peddling Health
- Information for Contributors
- News of the Week: Money, Mission, Management Top Zerhouni's Agenda
- News of the Week: New Cache Eases Shortage Worries
- News of the Week: Celestial Billiards Threaten Hit in 2880
- News of the Week: U.S. Questions Harvard Research in China
- News of the Week: Harmless Proteins Twist Into Troublemakers
- News of the Week: Last Year's Food Guides This Year's Brood
- News of the Week: Judge Casts Doubt on Scientist's Account
- News of the Week: Science Foundation Sets Priority Areas
- Sciencscope: Privacy Rule Revised
- Sciencscope: Tough Task
- Sciencscope: Imported Embryos
- Sciencscope: Interim Quartet
- Sciencscope: Pick Six
- Random Samples: DNArt
- Random Samples: e-Grants: e-asy or e-lusive?
- Random Samples: Fauci Honored
- Random Samples: Spring Road Peril: Toad Blowout
- News Focus: Rice: Boiled Down to Bare Essentials
- News Focus: A Deal for the Rice Genome
- News Focus: Beijing Genomics Institute: From Standing Start to Sequencing Superpower
- News Focus: Erdős's Hard-to-Win Prizes Still Draw Bounty Hunters
- News Focus: Closing In on the Cause of the Cosmos's Biggest Blasts
- Letters: This Week's Letters
- Letters: Why Finishing the Rice Genome Matters
- Letters: Collaborating on the Rice Genome
- Letters: Bowties and Brainiacs at the AAAS Meeting
- Letters: Regulating Natural Health Products
- Letters: McClintock and Marriage
- Letters: Corrections and Clarifications
- Books: The Race to Understand the Outlier
- Books: Making the University of California
- Books: Books Received
- Essays: "The Most Versatile Physicist of His Generation"
- Perspectives: The Cereal of the World's Poor Takes Center Stage
- Perspectives: World Poverty and Hunger--the Challenge for Science
- Perspectives: The Most Precious Things Are Not Jade and Pearls...
- Perspectives: Opening the Door to Comparative Plant Biology
- Perspectives: Order Amidst Turbulence
- Perspectives: Playing Tricks with Designer "Atoms"
- Perspectives: Grain Boundaries and Dislocations
- Perspectives: Trans-Atlantic Climate Connections
- Brevia: Asteroid Hazard Mitigation Using the Yarkovsky Effect
- Reports: x14

- Research Articles: x2
- Review: x2
- Technical Comments: The California Current, Devils Hole, and Pleistocene Climate

Science - 12th April - Volume 296, Issue 5566 0 politics, 1 identity

<https://www.science.org/toc/science/296/5566>

- Introduction: Self-Discrimination, a Life and Death Issue
- This Week in Science
- Editorial: Minorities in the Scientific Workforce [worth noting difference in the way it deals with it though]
- Editor's Choice: Winding Up with New Herpes Drugs
- Editor's Choice: Weather on the Pegasi Planets
- Editor's Choice: In Silico Landscaping
- Editor's Choice: Nuclear Signatures
- Editor's Choice: Alcohol Can Impair Measurement
- Editor's Choice: Ketones Meet Their Match
- Editor's Choice: Both Sides Now
- Netwatch: A Kinder Cut
- Netwatch: Do-It-Yourself Journals
- Netwatch: See Here
- Netwatch: Windows on Arctic Climate
- Netwatch: Poisons in the Wild
- Departments: Quarterly Author Index
- News of the Week: Battle Over IPCC Chair Renews Debate on U.S. Climate Policy
- News of the Week: White House Shakes Up U.S. Program
- News of the Week: Gene Activity Clocks Brain's Fast Evolution
- News of the Week: Early Cowboys Herded Cattle in Africa
- News of the Week: Transgene Data Deemed Unconvincing
- News of the Week: Rules Eased on Satellite Projects
- News of the Week: Australian Agreement Allows New Lines
- News of the Week: If It Quarks Like a Star, It Must Be ... Strange?
- News of the Week: New Awards Bolster Canada's Global Role
- News of the Week: Fruit Bats Linked to Mystery Disease
- Sciencescope: Separate But Equal
- Sciencescope: One More Down
- Sciencescope: Earthman Cometh
- Sciencescope: Job Confusion
- Random Samples: Thwarting Biopiracy
- Random Samples: Maine Hosts Solar System
- Random Samples: Spanish Lynx Alert
- Random Samples: Late Arrival
- News Focus: Does Inflammation Cut to the Heart of the Matter?
- News Focus: Picturing the Perfect Preserve
- News Focus: Microchips That Never Forget
- News Focus: A Bit of This and That
- News Focus: Biology Reveals New Ways to Hold on Tight

- Letters: This Week's Letters
- Letters: A Human Genome Diversity Cell Line Panel
- Letters: Trees, Homologs, and Poisons
- Letters: Stocking the Stacks
- Letters: Italy's Annual AIDS Budget Appropriation
- Letters: A "Water" Model for Nuclei Still Holds Water
- Letters: Biotech Poetry
- Letters: Corrections and Clarifications
- Books: A Hawking-eye View of the Universe
- Books: Synaptic Substrates of the Implicit and Explicit Self
- Books: Books Received
- Policy Forum: The Debate in Germany
- Perspectives: Poliomyelitis Eradication--a Dangerous Endgame
- Perspectives: Catalytic Degradation of Chlorinated Phenols
- Perspectives: A New Solar System Basalt
- Perspectives: Pathogen Surveillance--the Flies Have It
- Perspectives: MADS-Box Genes Reach Maturity
- Perspectives: New Ways to Guide Light
- Perspectives: Corals, Chemistry, and Climate
- Perspectives: Rafting with Ebola
- Brevia: Dietary Restriction in Long-Lived Dwarf Flies
- Reports: x14
- Review: x2
- Special Viewpoints: x6
- Technical Comments: Questioning the Evidence for Genetic Recombination in the 1918 "Spanish Flu" Virus

Science - 19th April - Volume 296, Issue 5567 0 politics, 0 identity

<https://www.science.org/toc/science/296/5567>

- This Week in Science
- Editorial: The International Space Station at Risk
- Editor's Choice: Multiplying Mollusks
- Editor's Choice: A Cooling Off Period
- Editor's Choice: Stripped Down to the Bare Essentials
- Editor's Choice: High-Spin Keggin Ions
- Editor's Choice: Been to the Barber?
- Editor's Choice: Intracellular Signal Transduction
- Editor's Choice: Not an Easy Balancing Act
- Editor's Choice: Distinctive Mitochondria
- Netwatch: Bend Me, Shape Me
- Netwatch: Southern Exposure
- Netwatch: A Site for Sore Eyes
- Netwatch: The Lowdown on Some Scary Bugs
- Netwatch: Science Online
- News of the Week: Caribou Study Fuels Debate on Drilling in Arctic Refuge
- News of the Week: A Modest Drop in a Big Bucket

- News of the Week: New Insect Order Speaks to Life's Diversity
- News of the Week: Ubiquitous Herbicide Emasculates Frogs
- News of the Week: Beijing U. Issues First-Ever Rules
- News of the Week: Australia Probes Kidney Researcher
- News of the Week: To Net Big Molecules, Widen the Mesh
- News of the Week: Coincidence or Connection?
- News of the Week: National Tracking Plan Picks Up Speed
- News of the Week: Dexter to Step Down at Wellcome Trust
- News of the Week: Hard Sciences in Terminal Decline?
- Sciencscope: Lethal Legacy
- Sciencscope: Barrier Breaker
- Sciencscope: Touching a Nerve
- Sciencscope: One Beluga, Two Beluga
- Random Samples: Eine Grosse Klein Bottle
- Random Samples: E.T., Where Are You?
- Random Samples: Cloning Foes Pick Up Steam
- Random Samples: Boa's Hold Measured
- News Focus: Melting Glaciers Release Ancient Relics
- News Focus: Gently Soothing a Savage Immune System
- News Focus: Going to the Edge to Protect the Sea
- News Focus: Science Helps Pew Push Its Oceans Agenda
- News Focus: Science Invades the Magic Kingdom
- Letters: This Week's Letters
- Letters: Is Ocean Fertilization Credible and Creditable?
- Letters: Rock Art Revisited
- Letters: Beauty, Biological Weapons, and Botox
- Letters: Prospects for an AIDS Vaccine
- Letters: Corrections and Clarifications
- Books: The Childless Father of Eugenics
- Books: How Molecules Make Organisms Work
- Books: Books Received
- Policy Forum: A New "Industrial Ecology"
- Perspectives: Back to an Aspirin a Day?
- Perspectives: Osmium Remembers
- Perspectives: The Elusive Liquid-Solid Interface
- Perspectives: Successes and Challenges
- Perspectives: Proteasome Parts at Gene Promoters
- Perspectives: T Before NK
- Perspectives: When the Host Is Smarter Than the Parasite
- Perspectives: How Accurate Are Climate Simulations?
- Tech Sight: A Technique Whose Time Has Come
- Brevia: Murine Leukemia Induced by Retroviral Gene Marking
- Reports: x15
- Research Articles: x2
- Review: x2

Science - 26th April, Volume 296, Issue 5568 0 politics, 0 identity

<https://www.science.org/toc/science/296/5568>

- Introduction: It's Not Just the Genes
- This Week in Science
- Editorial: Science, Censorship, and Public Health
- Editor's Choice: Pulling in the Catch
- Editor's Choice: Interacting Drugs of Abuse
- Editor's Choice: The Iceberg Cometh
- Editor's Choice: Drying Droplets
- Editor's Choice: Extracting Copper
- Editor's Choice: Prospecting for Copper
- Editor's Choice: Encouraging Atoms to Hang Around
- Editor's Choice: Edible Ecosystems
- Netwatch: The Wild World of Wolbachia
- Netwatch: NASA's Home Movies
- Netwatch: The LED Grows Up
- Netwatch: Chemistry Files
- Netwatch: What's for Dinner?
- Departments: AAAS News 8 Notes
- News of the Week: Pachauri Defeats Watson in New Chapter for Global Panel
- News of the Week: Neutrino Census Nails Chameleon Particles
- News of the Week: Darwin's Avian Muses Continue to Evolve
- News of the Week: Jason Hooks Up With New Sponsor
- News of the Week: One Gene Determines Bee Social Status
- News of the Week: 'Fantastic' Fossil Helps Narrow Data Gap
- News of the Week: Eternal-Universe Idea Comes Full Circle
- News of the Week: New Anthrax Vaccine Gets a Green Light
- News of the Week: In New York City, a Building Blooms
- News of the Week: NASA's O'Keefe Tangles With Texans
- News of the Week: Hall Probe Continues; No 'Willful' Fraud
- News: Unraveling the Causes of Diabetes
- News: Lupus: Mysterious Disease Holds Its Secrets Tight
- News: Research Funding: New Kids on the Block
- Sciencscope: De-Celeration
- Sciencscope: Wilson Resigns
- Sciencscope: More Than MOST
- Sciencscope: Academic Discourse
- Random Samples: Latin Ants Form European Union
- Random Samples: Plastic Invasion
- Random Samples: Molars at Zero G
- Random Samples: Fat Deposits
- News Focus: Siberia's Deadly Stalker Emerges From the Shadows
- News Focus: A Many-Headed Medusa
- News Focus: Another Disease Blights Families in Siberia's Far North
- News Focus: A Fossil Treasure Trove Hidden in Goethe's City
- News Focus: Astrobiologists Try to 'Follow the Water to Life'



- News Focus: Storming the Bastille
- Letters: This Week's Letters
- Letters: Fluorescence of Yellow Budgerigars
- Letters: Another Look at MgB<sub>2</sub> and YBCO Wires
- Letters: Cryopreservation: Freezing and Vitrification
- Letters: Antiaging Technology and Pseudoscience
- Letters: Nasal Reconstruction in Ancient India
- Letters: URRs and Nobel Prizes
- Letters: Corrections and Clarifications
- Books: Stephen Jay Gould à la recherche du temps perdu
- Books: Browsings
- Books: TMV in the Lab and Life Sciences
- Books: Books Received
- Policy Forum: Yucca Mountain
- Perspectives: Bending or Breaking the Rules?
- Perspectives: The Dust Settles on Water Vapor Feedback
- Perspectives: Of Chips and ChIPs
- Perspectives: Lethal Weapons
- Perspectives: A Crisis in Postgenomic Nomenclature
- Perspectives: Willibald Jentschke (1911-2002)
- Brevia: Nanotubes in a Flash--Ignition and Reconstruction
- Reports: x16
- Research Articles: Unpredictable Evolution in a 30-Year Study of Darwin's Finches
- Review: x2
- Special Review: Schizophrenia: Diverse Approaches to a Complex Disease
- Special Viewpoints: x3
- Technical Comments: Electron Microscopic Characterization of Silver Nanowire Arrays

Science - May 3rd - Volume 296, Issue 5569 0 politics, 0 identity

<https://www.science.org/toc/science/296/5569>

- New Products
- This Week in Science
- Editorial: Research Assessment in the UK
- Editor's Choice: How Feathers Get Their Patterns
- Editor's Choice: Big Flares from a Teeny Star
- Editor's Choice: Tasty and Bad for Bugs
- Editor's Choice: Breast Cancer Risk in CHEK
- Editor's Choice: Watching Ripples on Crystals
- Editor's Choice: Lower Closing Costs
- Editor's Choice: Blood and Guts
- Editor's Choice: Modeling the Mantle
- Netwatch: Hooked on Classic Texts
- Netwatch: Find Your Way
- Netwatch: Genes That Make Us Wheeze
- Netwatch: When Gametes Collide

- News of the Week: Challenge to FDA's Authority May End Up Giving It More
- News of the Week: Fossil Plant Hints How First Flowers Bloomed
- News of the Week: DOE Delays Hiring of Livermore Head
- News of the Week: Stressed Mutant Mice Hit the Bottle
- News of the Week: U.K.'s Mass Appeal for Disease Insights
- News of the Week: Venter Is Back With Two New Institutes
- News of the Week: A Single Climate Mover for Antarctica
- News of the Week: Pentagon Proposal Worries Researchers
- News of the Week: Europe Begins Work on Modest New Agency
- News of the Week: Public-Private Group Maps Out Initiatives
- News of the Week: NSF Report Paints a Global Picture
- Sciencscope: Into the ITER Ring
- Sciencscope: Imaging Chief Tapped
- Sciencscope: Political Peer Review
- Random Samples: Hard Hats in Space
- Random Samples: The 21st Century Student
- Random Samples: Dependable Cells From Defective Embryos
- Random Samples: Disease Fund Takes Off
- News Focus: Tuning In the Radio Sky
- News Focus: Space Communication for the Video Age
- News Focus: Seeking Peace in a Radio-Loud World
- News Focus: Bringing a Long-Lost Library Back to Life
- News Focus: Humans' Head Start: New Views of Brain Evolution
- News Focus: Breaching the Membrane
- Letters: This Week's Letters
- Letters: Attraction to Orange: Sexiness, Not Gluttony
- Letters: Tree-Ring Chronologies and Climate Variability
- Books: A Most Influential Problem Set
- Books: Browsings
- Books: Habeas Corpus
- Books: Books Received
- Essays: Damn the Torpedoes. Full Speed Ahead!
- Perspectives: The Different Hues of Lipid Rafts
- Perspectives: Fats, Flies, and Palmitate
- Perspectives: Persistence Pays Off
- Perspectives: Superconducting Qubits--a Major Roadblock Dissolved?
- Perspectives: Subversion of Schwann Cells and the Leper's Bell
- Brevia: Female Eavesdropping on Male Song Contests in Songbirds
- Reports: x15
- Research Articles: x2
- Review: x2

Science - May 10th - Volume 296, Issue 5570 0 politics, 0 identity

<https://www.science.org/toc/science/296/5570>

- New Products
- Introduction: Earth, Air, Fire, and Water

- This Week in Science
- Editorial: Science in the U.S. Government: Interim Report
- Editor's Choice: A Climate for Extinction
- Editor's Choice: Complex Discs
- Editor's Choice: Land Ho
- Editor's Choice: Motivation and Working Memory
- Editor's Choice: Nature over Nurture
- Editor's Choice: Double Check
- Editor's Choice: Designer Bindings
- Netwatch: Chaos Crib Sheet
- Netwatch: Bytes of Biology History
- Netwatch: Sky Watcher's Guide
- Netwatch: Meet Some Troglodytes
- News of the Week: USDA Closes Lab Doors to Foreign Scientists
- News of the Week: Hatch Signs On to Pro-Research Bill
- News of the Week: Zerhouni Confirmed as NIH Director
- News of the Week: Timing Is Everything for Wolbachia Hosts
- News of the Week: New Method for Culturing Bacteria
- News of the Week: No More Surprises From Evanescent Squid
- News of the Week: U.S. Science Academy Elects New Members
- News of the Week: Useful Data But No Smoking Gun
- News of the Week: A Man and His Dog, Adrift But Equipped
- News of the Week: EPA Gives Science a Bigger Voice
- News of the Week: Public Group Completes Draft of the Mouse
- News: Deep Life in the Slow, Slow Lane
- News: Geobiologists: As Diverse as the Bugs They Study
- Sciencscope: ITER Reconsidered
- Sciencscope: Bigger Rebates?
- Sciencscope: Neutron Plans Unveiled
- Sciencscope: Mouse Tale at End?
- Sciencscope: Case Closed
- Sciencscope: Genomics for All
- Random Samples: Reconditioned Livers
- Random Samples: First, Do No Harm
- Random Samples: Big Bucks for Bird Brain Studies
- Random Samples: Salvaging Florida's Orchids
- News Focus: Safety Versus Science on Next Trips to Mars
- News Focus: The Ultimate Bright Idea
- News Focus: Evo-Devo Devotees Eye Ocular Origins and More
- News Focus: Monkey Virus Link to Cancer Grows Stronger
- Letters: This Week's Letters
- Letters: Retraction
- Letters: Looking at Child Labor
- Letters: Coral Reef Biodiversity and Conservation
- Letters: Corrections and Clarifications
- Books: Where Science Meets the Arts

- Books: History Explains Avian Patterns
- Books: Books Received
- Policy Forum: Broken Limits to Life Expectancy
- Perspectives: Chromatin Control--a Place for E2F and Myc to Meet
- Perspectives: From Elton to Mathematics and Back Again
- Perspectives: Traces of an Unusual Impact
- Perspectives: Not Just Another ABC Transporter
- Perspectives: Bubbles, Flows, and Fields
- Brevia: Sons Reduced Maternal Longevity in Preindustrial Humans
- Reports: x14
- Research Articles: x2
- Review: x2
- Special Reviews: x3
- Special Viewpoints: x3
- Technical Comments: Islands, Equilibria, and Speciation

Science - May 17th - Volume 296, Issue 5571 0 politics, 1 identity

<https://www.science.org/toc/science/296/5571>

- New Products
- Introduction: The Other RNA World
- This Week in Science
- Editorial: Physics: For Women, the Last Frontier [pro-equity but on a meritocratic level, no identity politics]
- Editor's Choice: The Effects of Deglaciation
- Editor's Choice: A Texas-Sized Collision
- Editor's Choice: A Northerly Migration
- Editor's Choice: Getting Enough Air to Survive
- Editor's Choice: Mind the Gap
- Editor's Choice: Modeling Atmospheric Circulation
- Editor's Choice: Clear Reflections
- Editor's Choice: Mixing and Matching, Maybe
- Netwatch: Audio Engineering
- Netwatch: Algal Bloom
- Netwatch: Star Search
- Netwatch: Blueprints of Immunity
- Netwatch: Sites for Sleuths
- News of the Week: DuPont Ups Ante on Use of Harvard's OncoMouse
- News of the Week: Community Hails Bill to Double Budget
- News of the Week: Panel Would Screen Foreign Scholars
- News of the Week: Did an Impact Trigger the Dinosaurs' Rise?
- News of the Week: Novartis Sows Its Future in U.S. Soil
- News of the Week: Big Bucks for MIT Brain Center
- News of the Week: A Hidden Arabidopsis Emerges Under Stress
- News of the Week: Gas-Filled Chip Bids to Outshine a Computer
- News of the Week: Cherished Concepts Faltering in the Field
- News of the Week: Mutations Reveal Genes in Zebrafish

- Sciencscope: Dimming Its AURA
- Sciencscope: Wait Till Next Month
- Sciencscope: Patented Cells
- Sciencscope: Innovation Plus
- Sciencscope: Eisenstein Leaves NSF
- Sciencscope: Next Up
- Random Samples: Wordless Memories
- Random Samples: S&T Medalists
- Random Samples: Just Between a Giraffe and His Doctor
- Random Samples: New Clues to Spanish Flu?
- News Focus: Shrinking Fuel Cells Promise Power in Your Pocket
- News Focus: Biofuel Cells
- News Focus: The Battery: Not Yet a Terminal Case
- News Focus: Inside a Battery
- News Focus: Finding New Ways to Protect Drought-Stricken Plants
- News Focus: Bigger Populations Needed for Sustainable Harvests
- News Focus: Japan Asks Why More Yen Don't Yield More Products
- News Focus: Japan's Drugmakers Need a Boost to Compete
- Letters: This Week's Letters
- Letters: Politics and the IPCC
- Letters: Biological Weapons, War Crimes, and WWI
- Letters: Another Unmet Public Health Need
- Letters: Looking at a Renegade's Predecessors
- Letters: Corrections and Clarifications
- Books: Should It Be Homo economicus?
- Books: Consequences of the Unresolvable
- Books: Browsings
- Books: Books Received
- Policy Forum: Space Junk--Protecting Space for Future Generations
- Perspectives: Elephants, Mice, and Red Herrings
- Perspectives: Tiny Tracers Tell Tall Tales
- Perspectives: A Pathogen Receptor on Natural Killer Cells
- Perspectives: Genomic Priorities in Aging
- Perspectives: A Fresh Look at Glacial Floods
- Perspectives: RETROSPECTIVE: César Milstein (1927-2002)
- Tech Sight: Understanding Disease Cell by Cell
- Brevia: Rebirth of Novae as Distance Indicators Due to Efficient, Large Telescopes
- Reports: x12
- Research Articles: x3
- Review: Emerging Roles of Ubiquitin in Transcription Regulation
- Special Reviews: RNA-Dependent RNA Polymerases, Viruses, and RNA Silencing
- Special Viewpoints: x3
- Technical Comments: Spin Polarization of Injected Electrons

Science - May 24th - Volume 296, Issue 5572 0 politics, 0 identity

<https://www.science.org/toc/science/296/5572>

- New Products
- Introduction: Spacetime, Warped Branes, and Hidden Dimensions
- This Week in Science
- Editor's Choice: Here's Looking at You, Kid
- Editor's Choice: Backflushing Midcontinent Basins
- Editor's Choice: Systems Analysis
- Editor's Choice: Flu Season Dynamics
- Editor's Choice: A Reservoir of HIV
- Editor's Choice: Extraterritorial Transcription
- Editor's Choice: Colloidal Cores and Shells
- Editor's Choice: A Radical Mechanism
- Netwatch: Chemistry Goes to the Movies
- Netwatch: Good Medicine
- Netwatch: A Web Map for Geographers
- Netwatch: Plant Versus Plant
- Netwatch: The Incredible Shrinking Circuit
- News of the Week: Pioneering Physics Papers Under Suspicion for Data Manipulation
- News of the Week: Temple, Tourism May Sink Chinese Museum
- News of the Week: Can Chimps Ape Ancient Hominid Toolmakers?
- News of the Week: Theorists Doubt Claims for Perfect Lens
- News of the Week: Scientists Wary of New Academy Reforms
- News of the Week: World Health Body Fires Starting Gun
- News of the Week: Accounting Error Leads to Funding Drought
- News: The Intelligent Noncosmologist's Guide to Spacetime
- News: A Foamy Road to Ultimate Reality
- Sciencscope: Genetic Outlaws
- Sciencscope: Problem Child
- Sciencscope: Favored Fauna
- Sciencscope: Now Batting for NSF
- Random Samples: Crowds Provide Home Advantage
- Random Samples: Happy to Be ... a Biologist
- Random Samples: Diamonds in the Sky
- Random Samples: Spain Makes a Splash
- News Focus: Reversals Reveal Pitfalls in Spotting Ancient and E.T. Life
- News Focus: Marine Researchers Hope to Sail Off Into the Unknown
- News Focus: Can Space Station Science Be Fixed?
- News Focus: NSF Moves With VIGRE to Force Changes in Academia
- News Focus: New Mapping Project Splits the Community
- News Focus: Texas Surgeon Vows to Take Next Step in Beating Cancer
- News Focus: Tongues Wag as von Eschenbach Keeps Ties to National Dialogue on Cancer
- Letters: This Week's Letters
- Letters: The Future of the NYAS
- Letters: Collaborating on Public Health Issues
- Letters: Differing Views on Spinal Cord Repair

- Letters: Corrections and Clarifications
- Books: Lessons from a Slow Leak
- Books: Dealing with Disaster
- Books: Browsings
- Books: Books Received
- Policy Forum: The NIH Budget in the "Postdoubling" Era
- Perspectives: Stirring the Oceanic Incubator
- Perspectives: Wild by Nature
- Perspectives: Windows into the Human Brain
- Perspectives: The 22nd Amino Acid
- Perspectives: HLA Leaves Its Footprints on HIV
- Brevia: What's New, Pussycat? On Talking to Babies and Animals
- Reports: x14
- Research Articles: x2
- Review: Visualizing Chromatin Dynamics in Interphase Nuclei
- Special Reviews: x2
- Technical Comments: Calculating Forest Biomass Changes in China

Science - May 31st - Volume 296, Issue 5573 0 politics, 0 identity

<https://www.science.org/toc/science/296/5573>

- New Products
- Orienteering Strategies for a Signaling Maze
- This Week in Science
- Editorial: Signals, Ahoy!
- Editor's Choice: Seismology of the Stars
- Editor's Choice: Size for Breeding
- Editor's Choice: Tilting at Towers
- Editor's Choice: Muffling Magnetic Ringing
- Editor's Choice: A Preindustrial Sulfur Archive
- Editor's Choice: Divide and Rule
- Editor's Choice: Converging Checkpoint Signals
- Editor's Choice: Distinctly Similar Infection Signals
- Netwatch: Take No Chances
- Netwatch: In the Genes
- Netwatch: Crayfish Den
- Netwatch: Virtual Journal Mother Lode
- Netwatch: Burning Issues
- Departments: AAAS News 8 Notes
- News of the Week: Physicists Question Safeguards, Ponder Their Next Moves
- News of the Week: Europe Does More With Less
- News of the Week: Congress Adopts Tough Rules for Labs
- News of the Week: Redrawing the Brain's Map of the Body
- News of the Week: Best Big Bang Pictures Show New Wrinkles
- News of the Week: Organic Farms Reap Many Benefits
- News of the Week: Chimps and Fungi Make Genome "Top Six"
- News of the Week: New Law Could Turn Scientists Into Outlaws

- Sciencscope: Stem Cell Hostage?
- Sciencscope: Legal Threat
- Random Samples: Brazilian Investors Back Biotech Spin-Offs
- Random Samples: The Universe as Computer
- Random Samples: Secrets of the Didjeridu
- News Focus: How Devastating Would a Smallpox Attack Really Be?
- News Focus: In Search of a Kinder, Gentler Vaccine
- News Focus: For Whom the Stars Toll
- News Focus: Cash-Strapped Fund Struggles to Make Science a Priority
- News Focus: Biologist Gets Under the Skin of Plants--And Peers
- News Focus: Genome Centers Push for Polished Draft
- News Focus: Charting a Genome's Hills and Valleys
- Letters: This Week's Letters
- Letters: Science's Policy on Data Deposition
- Letters: Drug Approval and Testing on Children
- Letters: Medial Prefrontal Cortex and Error Potentials
- Letters: DNA Replication and Traintracks
- Letters: The Globalization of Nature
- Letters: Corrections and Clarifications
- Books: Double Jeopardy for Gallo
- Books: Nota Bene: Enticing and Informative Tales
- Books: Books Received
- Policy Forum: The Bioterrorist Threat and Access to Health Care
- Perspectives: Mmu 16--Comparative Genomic Highlights
- Perspectives: Carbonate Mysteries
- Perspectives: Toward Solving the UV Puzzle
- Perspectives: Will, Anterior Cingulate Cortex, and Addiction
- Perspectives: A Bite to Remember
- Perspectives: Seismological Detection of Slab Metamorphism
- Brevia: Sauropod Trackways, Evolution, and Behavior
- Reports: x15
- Research Articles: A Comparison of Whole-Genome Shotgun-Derived Mouse Chromosome 16 and the Human Genome
- Review: Specialized DNA Polymerases, Cellular Survival, and the Genesis of Mutations
- Special Viewpoints: x14
- Technical Comments: Groundwater Flow in the Ganges Delta