

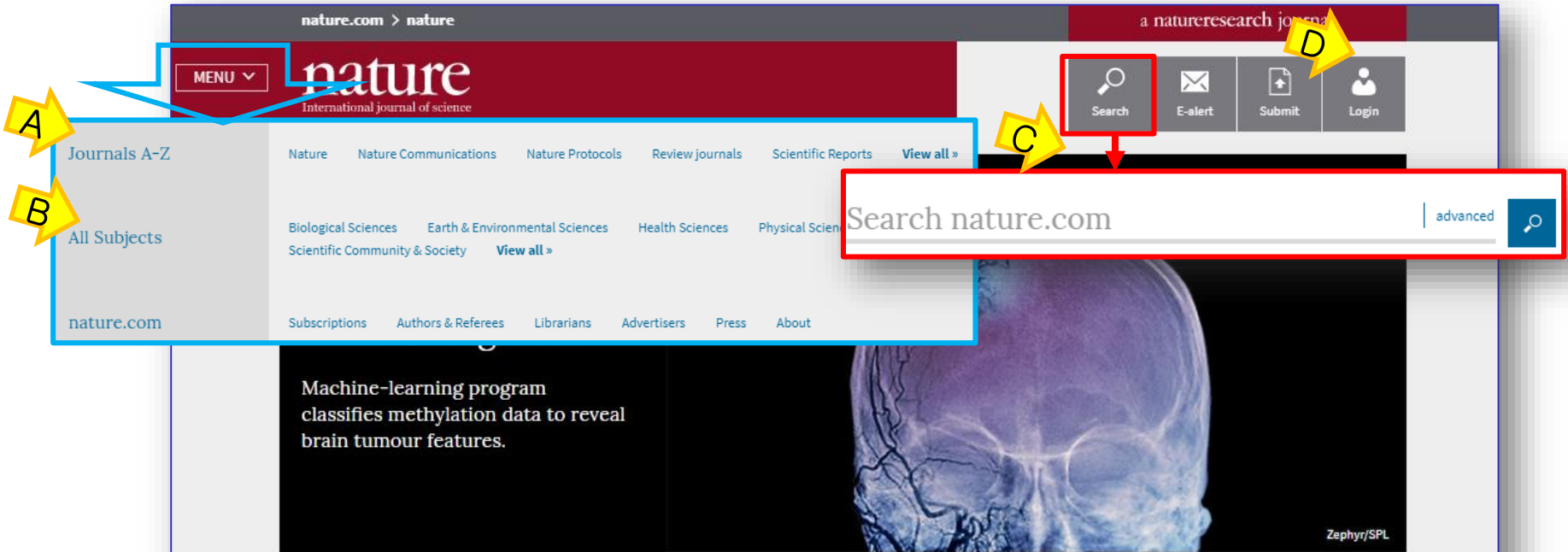
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- E. 최근 발행된 기사 보기
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Youngest Toba Tuff glass shards found together with evidence of human occupation at two archaeological sites from the... show more

Hawking the man, and the legend.

Current Issue | 15 March 2018



A

Latest News

News | 15 March 2018

Deadly Lassa-fever outbreak tests Nigeria's revamped health agency

Reforms put in place after Ebola epidemic in West Africa have built Nigeria's capacity to diagnose diseases and track their spread.

Amy Maxmen

Nature



News | 15 March 2018

Advances in human behaviour came surprisingly early in Stone Age

Excavations in Kenya suggest improvements in stone tools and other human changes are linked to variations in climate.

Jeff Tollefson

Nature



News | 14 March 2018

Science mourns Stephen Hawking's death

Physicist and icon of science dies aged 76.

Davide Castelvecchi

Nature



B

Latest Research Highlights

Research Highlights | 16 March 2018

Neuroimmunology: No pain, all gain

Sensory neurons in the lungs suppress immune responses to bacterial lung infections.

Lucy Bird

Nature Reviews Immunology



Research Highlights | 16 March 2018

A novel genetic architecture for infectious diseases

Laurent Abel describes two studies from 1996 that described the susceptibility of children to tuberculosis and mycobacterial infections.

Laurent Abel

Nature Reviews Immunology

- A. 최신 뉴스와 이용자들의 comments 보기
- B. 최근 발행된 주목할만한 기사 보기
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A A B C D E F G H I J K L M **N** O P Q R S T U V W X Y Z

B Quick Links

- Nature
- Nature Communications
- Nature Materials
- Nature Chemistry
- Scientific Reports

A Acta Pharmacologica Sinica American Journal of Gastroenterology
American Journal of Gastroenterology Supplements

B BDJ Open
Blood Cancer Journal
Bone Research
British Journal of Cancer

C Cancer Gene Therapy
Cell Death and Differentiation

N

Nature	Nature Astronomy
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News and Views | 14 March 2018
Machine learning classifies cancer
Brain tumours are often classified by visual assessment of tumour cells, yet such diagnoses can vary depending on the observer. Machine-learning methods to spot molecular patterns could improve cancer diagnosis.
Derek Wong & Stephen Yip
Nature

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- Computational biology and bioinformatics
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- Neuroscience
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Latest Research and Reviews

Reviews | 16 March 2018
Complex regional pain syndrome – phenotypic characteristics and potential biomarkers
Complex regional pain syndrome (CRPS) is a persistent pain condition that usually affects a single limb, often following an injury. In this article, the authors review the latest advances in CRPS research, focusing on risk factors for the condition as well as biomarkers for diagnosis, treatment and clinical course prediction.
Frank Burklein, Seena K. Ajit [...] Claudia Sommer
Nature Reviews Neurology

News and Comment

Research Highlights | 16 March 2018
A novel genetic architecture of infectious diseases
Laurent Abel describes two landmark studies from 1996 that described the genetic susceptibility of children to severe mycobacterial infections.
Laurent Abel
Nature Reviews Immunology

B

C More about Biological sciences >>

- A. 주제 키워드 검색 및 키워드 추천
- B. 세부 주제 페이지로 이동
- C. 해당 주제의 주요기사, 관련 주제, 최신 연구 및 뉴스 보기

The screenshot shows the homepage of Nature Biotechnology. At the top, there is a navigation bar with the journal title and a 'MENU' dropdown. Below this is a main navigation menu with links for 'Current Issue', 'Browse Issues', 'News & Comment', 'Research', 'Browse Articles', and 'Focuses & Supplements'. A secondary navigation bar lists various journals like 'Nature', 'Nature Communications', etc. The main content area features several article teasers with titles and images, such as 'Jury out on liquid biopsies for cancer' and 'Driving T-cell immunotherapy to solid tumors'. On the right, there is a 'Current Issue' section for March 2018. At the bottom, there is a search bar and a subject filter dropdown.

A points to the 'MENU' dropdown in the top navigation bar.

B points to the article teasers in the main content area.

C points to the search bar at the bottom of the page.

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B. 최신 이슈의 주요 기사
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Current issue



March 2018, Volume 36 No 3 pp205-286

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Editorial

Amazon's cloud on the healthcare horizon p205
[doi:10.1038/nbt.4107](#)

A new venture from Amazon, JP Morgans and Berkshire Hathaway its crosshairs. It may also offer opportunities for innovators in health medicine.

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Volume

2018 | Volume 36

March Issue 3	February Issue 2	January Issue 1
pp 205-286	pp 117-204	pp 1-116

Issue

2017 | Volume 35

December Issue 12	November Issue 11	October Issue 10	September Issue 9
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Browse Articles

Article Type ^ Year ^

Brief Communication 19 March 2018	Resource 19 March 2018 OPEN	All (12834)	All (10215)
Base editing with a Cpfl-cytidine deaminase fusion	Cultivation and sequencing of rumen microbiome members from the Hungate1000 Collection	Analysis (815)	2018 (85)
A new fusion protein enables precise editing of single bases in A/T-rich regions of the human genome.	Rumen microbiome biology gets a boost with the release of 410 high-quality reference genomes from the Hungate1000... show more	Article (1351)	2017 (392)
Xiaosa Li, Ying Wang [...] Jia Chen	Rekha Seshadri, Sinead C Leahy [...] William J Kelly	Business and Regulatory News (612)	2016 (450)
Article 19 March 2018	Letter 19 March 2018	Careers and Recruitment (311)	2015 (475)
Phase 1 clinical study of an	Engineered promoters enable	Commentary (585)	2014 (497)
		Correspondence (1252)	2013 (475)
		Dateline (998)	2012 (531)
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		Erratum (263)	2010 (489)
		Feature (361)	

Focuses and supplements

Nature Biotechnology periodically publishes special supplements and focuses on timely topics of particular interest. This page provides an index of the different supplements and focuses that we have released over the past few years.

2017

top



Humans 2.0

Increasingly powerful genetic technologies are moving us closer to the ability to read and manipulate human genomes not only in somatic cells, but also in germ cells and zygotes. This focus looks at how these technologies are impacting human embryo research and how this may ultimately affect our lives and offspring.

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February 2018

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In this episode: Jeffrey Leiden

Jeff Leiden is chairman, president and CEO of Vertex Pharmaceuticals. His conversation with Nature Biotechnology covers rebuilding Vertex toward cystic fibrosis, competing for talent in the innovation economy and dropping out of high school to enter college early.



About the First Rounders Podcast

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Article

Random access in large-scale DNA data storage

Lee Organick, Siena Dumas Ang, Yuan-Jyue Chen, Randolph Lopez, Sergey Yekhanin, Konstantin Makarychev, Miklos Z Racz, Govinda Kamath, Parikshit Gopalan, Bichlien Nguyen, Christopher N Takahashi, Sharon Newman, Hsing-Yeh Parker, Cyrus Rashtchian, Kendall Stewart, Gagan Gupta, Robert Carlson, John Mulligan, Douglas Carmean, Georg Seelig, Luis Ceze & Karin Strauss

Nature Biotechnology 36, 242–248 (2018)
Received: 13 July 2017
doi:10.1038/nbt.4079
Accepted: 11 January 2018
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Computational biology and bioinformatics
Corrected online 06 March 2018
Molecular biology
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- B. 아티클 내 각 섹션으로 이동
- C. 각 섹션의 도표 모아보기 (확대 or 해당 섹션 이동 가능)

stored data on a large-scale currently requires all the DNA in a pool to be sequenced, even if only a subset of the information needs to be

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Mentions in news, blogs & Google+

News articles (4)
Scientific blogs (3)

DNA data storage system rises past 400 megabytes — find out how to store yours
Yahoo!

DNA Data Storage Gets Random Access
IEEE Spectrum

Twitter demographics

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- Results
- Discussion
- Methods
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- Integrated supplementary information
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Figures

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Figure 1: Overview of the DNA data storage workflow and stored data.

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Figure 2: Design of random access primers and coding algorithm.

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Nature Biotechnology 36, 242–248 (2018)
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Abstract

high density, recovering in a pool to be extracted here, we encode and store 30 distinct files (over 200 MB of data), in more than 13 million DNA oligonucleotides, and show that we can recover each file individually and with no errors, using a random access approach. We design and validate a large library of primers that

Sections

Figures

References

1. Neiman, M.S. On the molecular memory systems and the directed mutations. *Radiotekhnika* 6, 1–8 (1965).
[Google Scholar](#)
2. Cox, J.P.L. Long-term data storage in DNA. *Trends Biotechnol.* 19, 247–250 (2001).
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3. Church, G.M., Gao, Y. & Kosuri, S. Next-generation digital information storage in DNA. *Science* 337, 1628 (2012).
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Somatic mutations in cancer affect gene abundance between... yet a small-scale DNA and RNA **AI** analyses specimens across five tumor types. Je-Keun Rhee, Sejoon Lee [...]

Scientific Reports 7, 1653
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Research | 31 January 2018 | OPEN

Blockade of ACK1/TNK2 To Squelch the Survival of Prostate Cancer Stem-like Cells
Prostate **cancer** stem-like cells (PCSCs)... regulator of castration resistant prostate **cancer** (CRPC) growth. Consistently... Nupam P. Mahajan, Domenico Coppola [...]

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A clinical drug library screen identifies clobetasol propionate as an NRF2 inhibitor with potential therapeutic efficacy in KEAP1 mutant lung cancer
...mutations occurs frequently in many **cancers**, suggesting that NRF2 inhibition... are frequently observed in lung **cancer**. Thus, CP could be... a repurposed therapeutic agent for **cancers** with high NRF2 activity... E-J Choi, B-J Jung [...]

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