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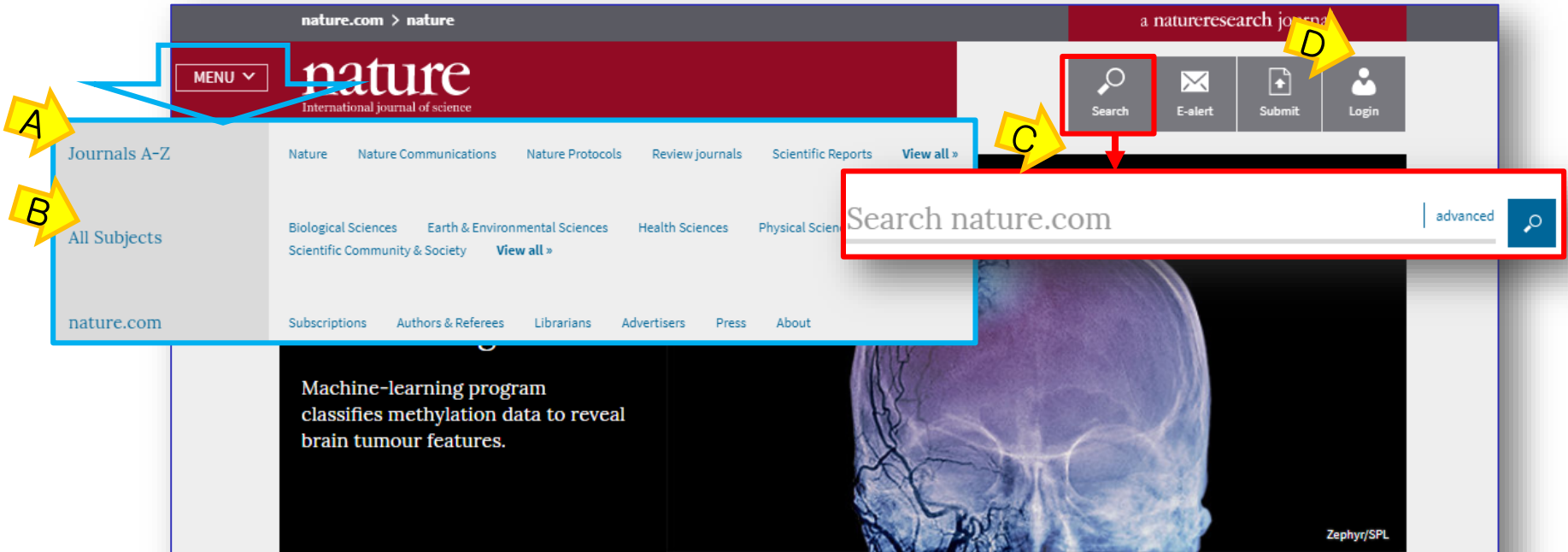
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- F. 최신 뉴스와 이용자들의 comments보기

Machine-learning program classifies methylation data to reveal brain tumour features.

Letter | 14 March 2018

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Regulatory embryonic... at single-... on

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...vich, James P.

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Hawking the man, and the legend.

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How rising resistance in *Aspergillus* sparks sparkly antifungal immune responses
PAGES 1084 & 1085

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A

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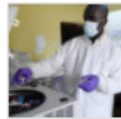
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Deadly Lassa-fever outbreak tests Nigeria's revamped health agency

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

Amy Maxmen

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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

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Science mourns Stephen Hawking's death

Physicist and icon of science dies aged 76.

Davide Castelvecchi

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Research Highlights | 16 March 2018

Neuroimmunology: No pain, all gain

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Lucy Bird

Nature Reviews Immunology



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

Laurent Abel

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Featured

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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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 More about Biological sciences >>

C

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 B. 세부 주제 페이지로 이동
 C. 해당 주제의 주요기사, 관련 주제, 최신 연구 및 뉴스 보기

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A

B

C

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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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2018 | Volume 36

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

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December Issue 12 pp 1113-1216	November Issue 11 pp 993-1112	October Issue 10 pp 889-992	September Issue 9 pp 801-888
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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)
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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



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

Nature Biotechnology's First Rounders podcast is a series of conversations with founders, financiers and developers from biotech's past, present and future.

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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)
doi:10.1038/nbt.4079
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Received: 13 July 2017
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DNA data storage system rises past 400 megabytes — find out how to store yours
Yahoo!

DNA Data Storage Gets Random Access
IEEE Spectrum

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Germany	11	3.28%
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Figure 1: Overview of the DNA data storage workflow and stored data.

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

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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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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). [CAS](#) [PubMed](#) [Article](#) [Google Scholar](#)
3. Church, G.M., Gao, Y. & Kosuri, S. Next-generation digital information storage in DNA. *Science* 337, 1628 (2012). [CAS](#) [PubMed](#) [Article](#) [Google Scholar](#)
4. Goldman, N. et al. Towards practical, high-capacity, low-maintenance information storage in synthesized DNA. *Nature* 494, 77–80 (2013). [CAS](#) [PubMed](#) [Article](#) [Google Scholar](#)

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

B

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Allelic imbalance in cancer transcriptome

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Je-Keun Rhee, Sejoon Lee [...] Taehyung Kim

Scientific Reports 7, 1653 (2017) | [Rights & permissions](#)

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Prostate cancer stem-like cells (PCSCs)... regulator of castration resistant prostate cancer (CRPC) growth. Consistently...

Nupam P. Mahajan, Domenico Coppola [...] Kiran Mahajan

Scientific Reports 8, 1954 (2018) | [Rights & permissions](#)

Research | 15 May 2017

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 [...] S-M Jeon

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