



Genome **Biology**



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Making an impact: a profile of *Genome Biology*

Louisa Flintoft, PhD

Editor, *Genome Biology*

A flagship journal for BioMed Central and Open Access

- Launched in 2000
- Outstanding Open Access journal for research in genomics
- Open Access can = high impact



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Biology for the post-genomic era

Fully Open Access. Genome Biology covers all areas of biology and biomedicine studied from a genomic and post-genomic perspective. Content includes research, new methods and software tools, and reviews, opinions and commentaries. Areas covered include, but are not limited to: sequence analysis; bioinformatics; insights into molecular, cellular and organismal biology; functional genomics; epigenomics; population genomics; proteomics; comparative biology and evolution; systems and network biology; genomics of disease; and clinical genomics. All content is open access immediately on publication.

Editor



Thomson-Reuters/Web of Science – Genetics and Heredity category

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1	NATURE GENETICS	85,481	29.352
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3	AMERICAN JOURNAL OF HUMAN GENETICS	34,816	10.931
4	GENOME BIOLOGY	22,663	10.810
5	GENES & DEVELOPMENT	59,511	10.798
6	MOLECULAR BIOLOGY AND EVOLUTION	37,529	9.105
7	ONCOGENE	64,071	8.459
8	PLoS Genetics	33,624	7.528

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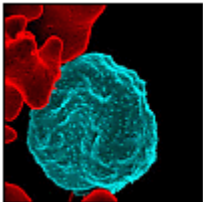


Genome **Medicine**

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Genome Biology: scope

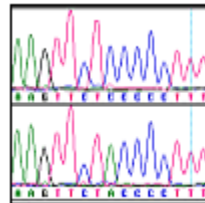
- Outstanding genomic research in all areas of biology and biomedicine
- Genomics as a tool
- The biology of genomes



Plasmodium attenuation with ZFNs

Hundreds of genes are removed from *Plasmodium's* chromosome by ZFN-based DNA editing and repaired through MMEJ

Genome Biology 2015, **16**:249



Early infertility gene

The genetic mutation responsible for the earliest known form of human embryonic lethality is mapped, providing insights into infertility

Genome Biology 2015, **16**:240



CRISPR/Cas9-mediated virus interference

An application of CRISPR/Cas9-based technology to confer immunity against DNA viruses in plants

Genome Biology 2015, **16**:238



circRNAs in porcine brain

Spatio-temporal profiling of circular RNAs in porcine brain gives insights into the role of these RNAs in mammalian neurodevelopment

Genome Biology 2015, **16**:245

Our aims: excellent customer service

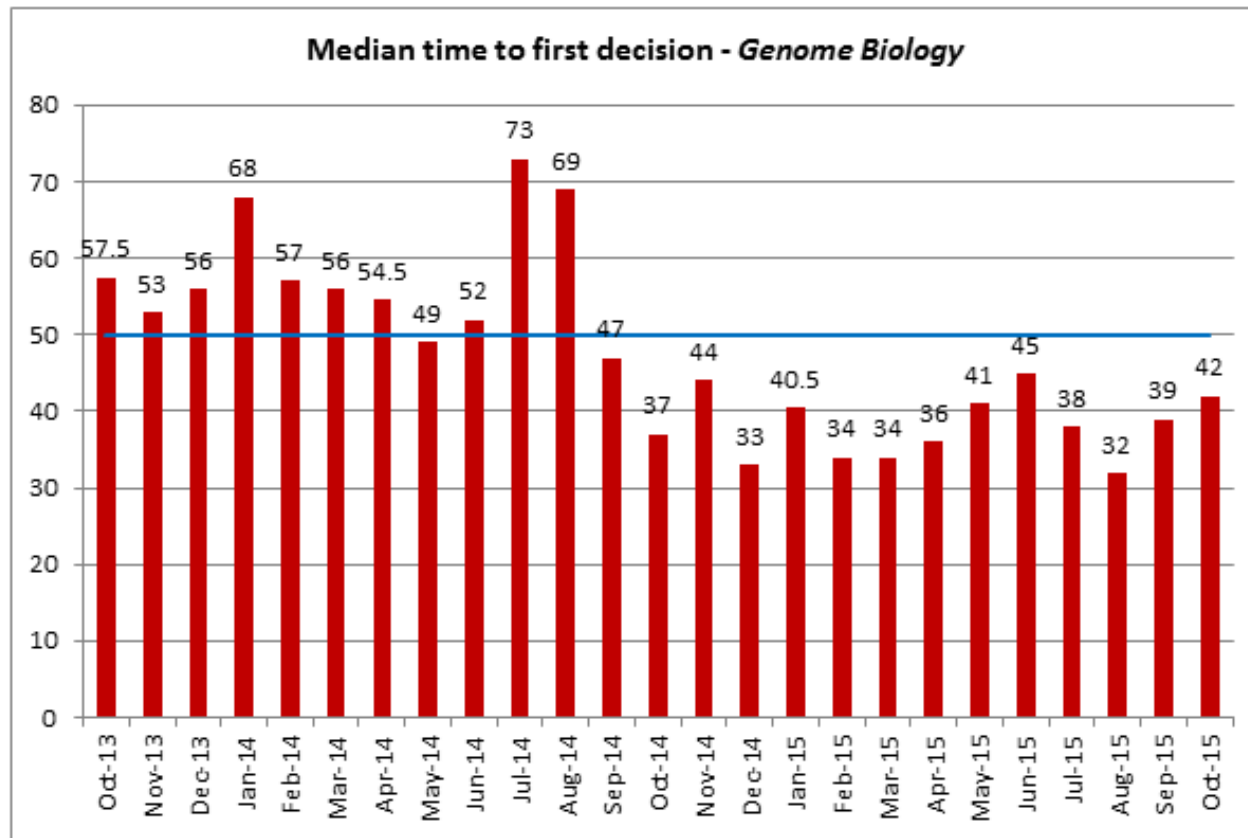
- Fast. Proactive. Professional.

“All of us are pleased to have the chance to contribute to science community, especially through your open access publication system. We find overall, the **review process of Genome Biology has been excellent** and we are grateful for your work.” – **Professor Jong Bhak, UNIST, Korea**

“I would also like to thank you for your very **professional handling** of our manuscript. Your **clear communication** regarding what has been required from our side has helped a lot and we are all impressed by your work. I wish more editors would work like you do.” – **Dr Anders Andersson, Royal Institute of Technology, Sweden**

“It's such a wonderful opportunity to interact with you and to have our manuscripts considered by Genome Biology. The **transparency** of the journal and the way the manuscripts are **handled in a fair, balanced and insightful way** should be commended.” **Jorge Reis-Filho, MD, PhD, Memorial Sloan Kettering Cancer Center, USA**

Fast decision times



Our aims: high visibility of articles

The first whole genome and transcriptome of the cinereous vulture reveals adaptation in the gastric and immune defense systems and possible convergent evolution between the Old and New World vultures

Oksung Chung, Seondeok Jin, Yun Cho, Jeongheui Lim, Hyunho Kim, Sungwoong Jho, Hak-Min Kim, JeHoon Jun, HyeJin Lee, Alvin Chon, Junsu Ko, Jeremy Edwards, Jessica Weber, Kyudong Han, Stephen O'Brien, Andrea Manica, Jong Bhak, Woon Paek
Genome Biology 2015, **16**:215 (21 October 2015)

The Telegraph

Vulture's genes help it thrive on rotting flesh

Scavenger found to have genetic traits that account for a stalwart stomach and powerful immune system that let it carry on eating carrion

 74   0  7  81  Email



From Korean researchers at:

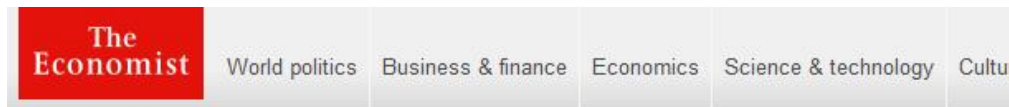
- Genome Research Foundation, Osong
- National Institute of Ecology, Seocheon
- UNIST, Ulsan
- National Science Museum, Daejeon
- Theragen BiO Institute, Suwon
- Dankook University, Cheonan
- DTiNa), Cheonan
- Geromics, Ulsan

Our aims: high visibility of articles

Expression of multiple horizontally acquired genes is a hallmark of both vertebrate and invertebrate genomes

Alastair Crisp, Chiara Boschetti, Malcolm Perry, Alan Tunnacliffe, Gos Micklem

Genome Biology 2015, **16**:50 (13 March 2015)

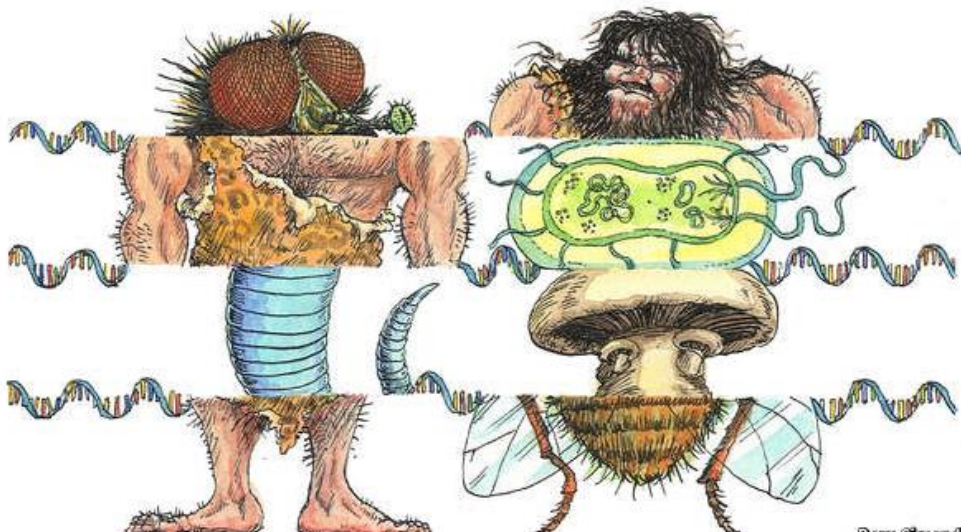


Horizontal gene transfer

Genetically modified people

Human beings' ancestors have routinely stolen genes from other species

Mar 14th 2015 | From the print edition



The Economist is a leading international publication covering news, politics, business, finance, science, technology and the connections between them

Who are we? Our in-house editorial team



Louisa Flintoft, PhD, Editor

13 years of editorial experience

BioMed Central employee



- Professional manuscript handling editors
- All have PhDs
- Specialize in different areas of genomics
- Handle manuscripts
- Organize peer review

- Editorial Assistant
- Answers author queries



Who are we? Our editorial board

- 72 members
- Leaders in their fields and emerging stars
- Span breadth of genomics and related areas
- International



How we make decisions

- **Who is involved?**
 - In-house editorial team
 - Peer reviewers
 - Editorial board act as advisors for cases when we need extra advice
- **How do we decide?**
 - Scope
 - Interest level
 - Advance over previous work
 - Meeting editorial standards – for example, data deposition, ethics

Introducing Professor Woong-Yang Park

- Director of the Samsung Genome Institute
- Professor at Sungkyunkwan University School of Medicine
- *Genome Biology* Editorial Board Member since June 2014

Why you should submit manuscripts to Genome Biology

1. High impact journal in genome science
2. Wide-scope on genomic and post-genomic studies
3. Rapid and transparent response from editorial office
4. Fully open access
5. Special issues on specific topics

THANK YOU!

For more information:

- Talks today on “how to get published”
- More about *Genome Biology* in sessions on peer review and sharing data
- You can email me louisa.flintoft@biomedcentral.com
- I am happy to answer questions!