



Genome **Biology**



**BioMed** Central  
The Open Access Publisher

# 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

A promotional banner for a special issue on Genome Editing. The background is dark with a 3D molecular model of a protein-DNA complex. A red sphere highlights a specific part of the structure. The text 'Special issue now live' is at the top. Below it, 'Genome Editing' is written in large white letters. Underneath, it says 'Guest Editors: Jennifer Doudna and Charles Gersbach'. The Genome Biology logo is in the bottom right corner. Navigation arrows are on the left and right sides.

Special issue now live

# Genome Editing

Guest Editors: Jennifer Doudna and Charles Gersbach



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

	Full Journal Title	Total Cites	Journal Impact Factor ▼
1	<b>NATURE GENETICS</b>	85,481	29.352
2	<b>GENOME RESEARCH</b>	33,977	14.630
3	<b>AMERICAN JOURNAL OF HUMAN GENETICS</b>	34,816	10.931
4	<b>GENOME BIOLOGY</b>	22,663	10.810
5	<b>GENES &amp; DEVELOPMENT</b>	59,511	10.798
6	<b>MOLECULAR BIOLOGY AND EVOLUTION</b>	37,529	9.105
7	<b>ONCOGENE</b>	64,071	8.459
8	<b>PLoS Genetics</b>	33,624	7.528

## The other BioMed Central flagship journals

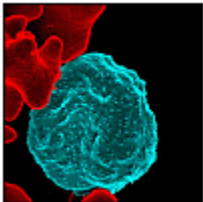
 **BMC Biology** **IMPACT FACTOR 7.98**

 **BMC Medicine** **IMPACT FACTOR 7.36**

 **Genome Medicine** **IMPACT FACTOR 5.81**

## **Genome Biology: scope**

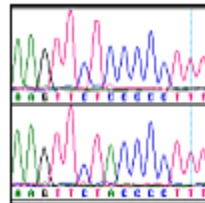
- Outstanding genomic research in all areas of biology and biomedicine
- Genomics as a tool
- The biology of genomes



### **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

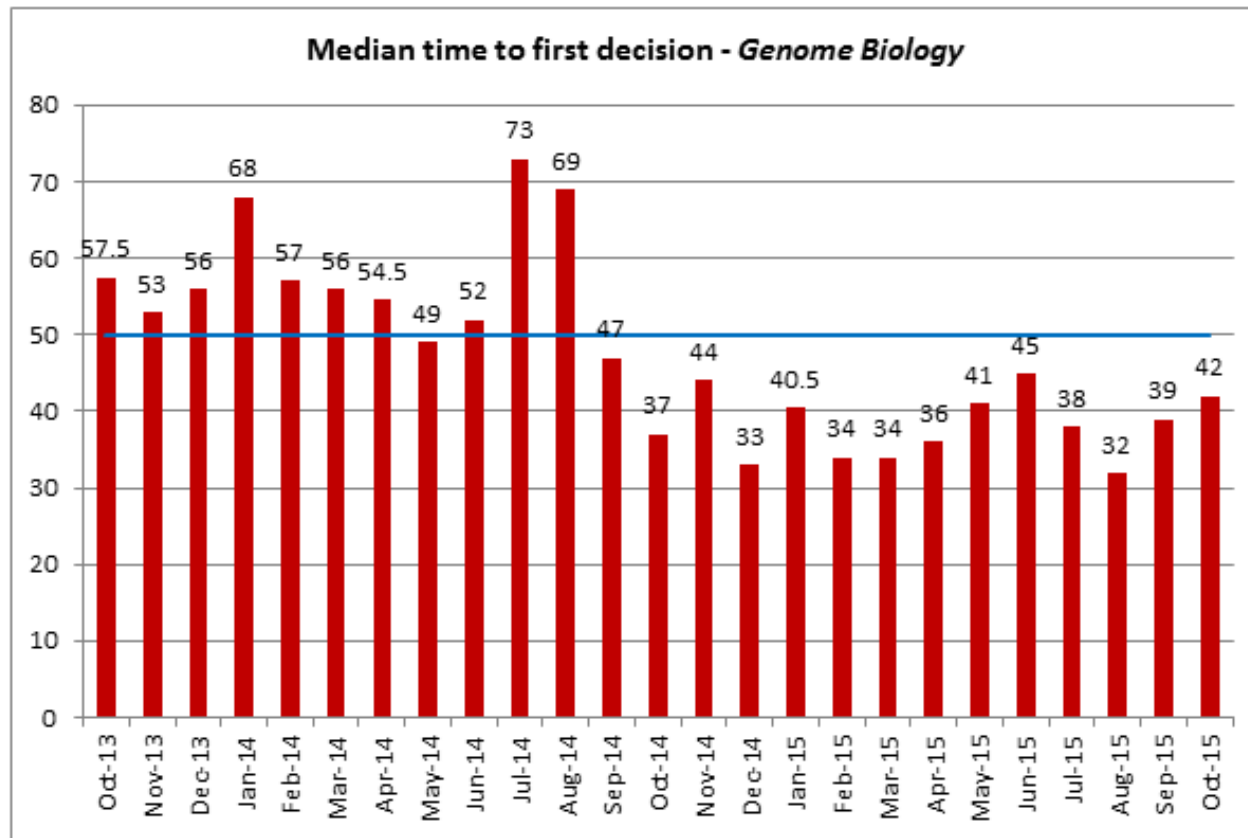
- Fast. Proactive. Professional.

“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

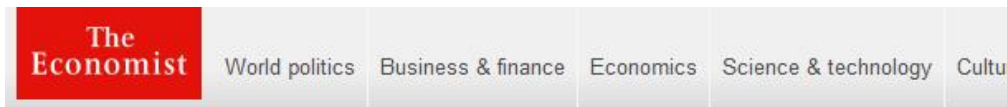


## Our aims: high visibility of articles

**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)

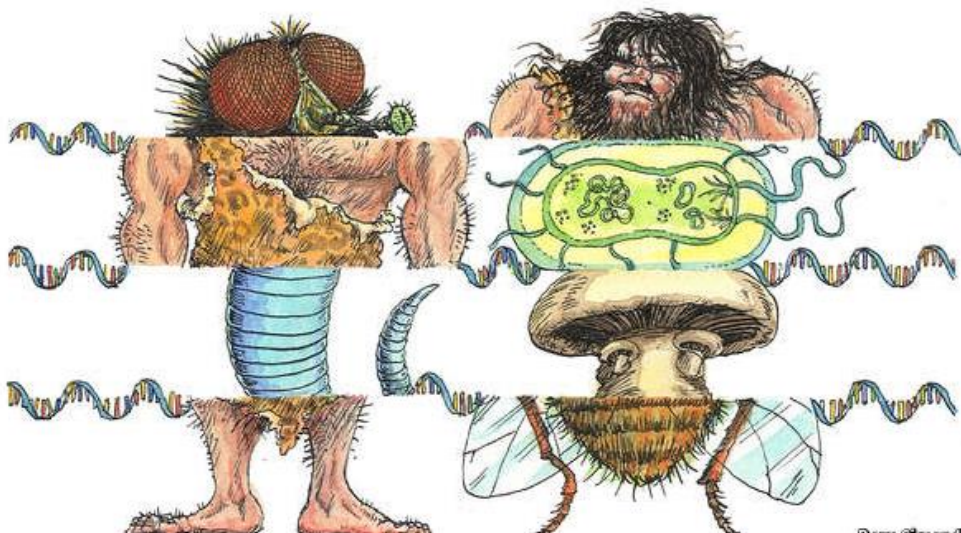


Horizontal gene transfer

### 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](mailto:louisa.flintoft@biomedcentral.com)
- I am happy to answer questions!