

Open Access and the Future of Publishing

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RESEARCH
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wellcometrust



European Research Council
Established by the European Commission

HIGHER EDUCATION
FUNDING COUNCIL *hefce* FOR ENGLAND

82 funders with Open Access policies



Charity Open Access Fund

For this academic year the University of Cambridge has been awarded

~£2.6 million

That's the equivalent of 69 postdoc salaries for 1 year.

We spend this on:

Fully open access journals

e.g.

BMC Neurology £1370

PLOS Medicine \$2900

Nature Communications £3150

PeerJ \$1095

eLife (from 1st Jan 2017) \$2500

Publishing costs

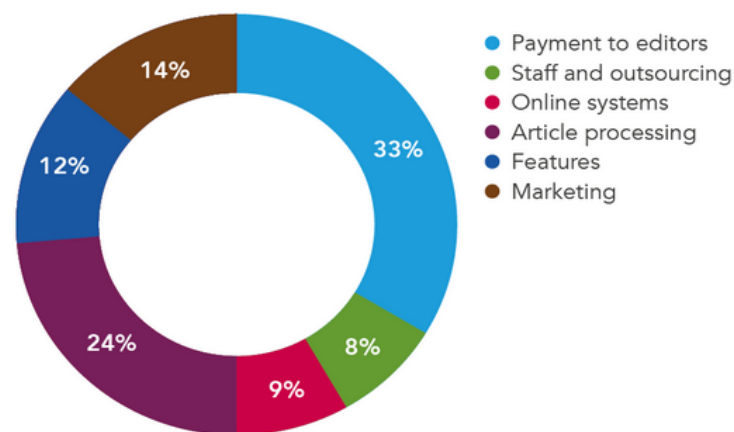


Figure 2: eLife's 2015 publishing costs

Payments to editors	£998,000
Staff and outsourcing	£238,000
Online systems	£268,000
Article processing	£739,000
Features	£363,000
Marketing	£419,000
	£3,025,000

Table 1: eLife's 2015 publishing costs

We spend this on:

Hybrid journals

e.g.

The Lancet (Elsevier) \$5000

Hippocampus (Wiley) \$4100

Neuroimage: Clinical (Elsevier) \$1500

Cell (Cell Press) \$5000

About 75% of the APCs we pay are
for hybrid journals



£1.95million



In addition the University spends

£4.8 million/year

subscribing to hybrid journals.



But I have to publish in journals with high impact factors!

"If your IF is above 10, then you enter here. If it's lower, well... "



There are a whole host of problems with the JIF.

- Not fit for purpose
- Some disciplines badly represented
- Not transparent
- North American bias
- English language bias
- Measures the vessel not the contents
- It can be gamed....

This has being recognised...



SHARE



11K



8



397

Hate journal impact factors? New study gives you one more reason

By John Bohannon | Jul. 6, 2016, 4:30 PM

Scientists have a love-hate relationship with the journal used to rank technical journals by prestige. They have to submit research papers, but for judging the

 OPEN ACCESS

EDITORIAL

The Impact Factor Game

The PLoS Medicine Editors

Published: June 6, 2006 • <http://dx.doi.org/10.1371/journal.pmed.0030291>

Article

Authors

Metrics

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It is time to find a better way to assess the scientific literature

Citation: The PLoS Medicine Editors (2006) The Impact Factor Game. PLoS Med 3(6): e291. doi:10.1371/journal.pmed.0030291

Published: June 6, 2006

<http://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.0030291>

But your PI might not agree...



Publish **all** your research openly and ethically.



The logo for arXiv.org, featuring the text "arXiv.org" in white on a red rectangular background.

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ACS Nano. 2016 Oct 25;10(10):9053-9054.

ChemRXiv: A Chemistry Preprint Server.

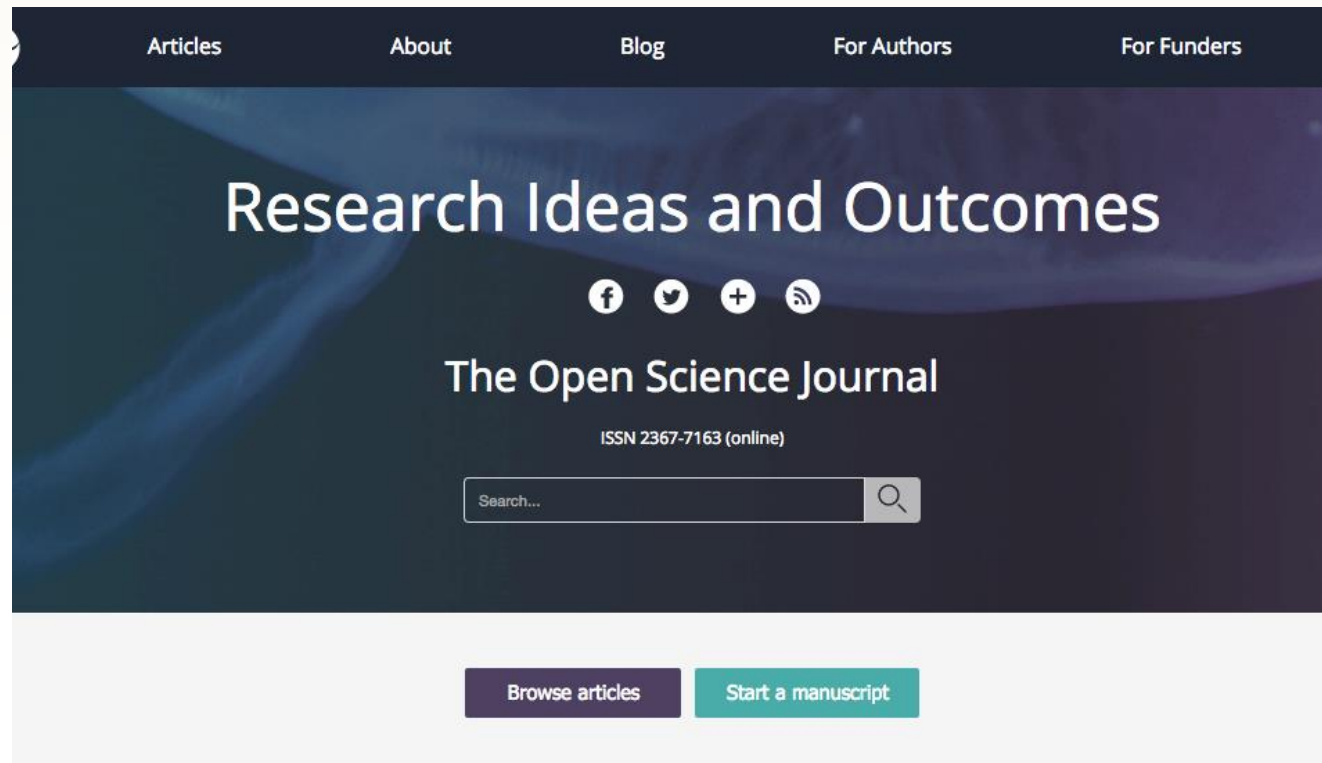
Kiessling LL, Fernandez LE, Alivisatos AP, Weiss PS.

PMID: 27776406 DOI: 10.1021/acsnano.6b07008



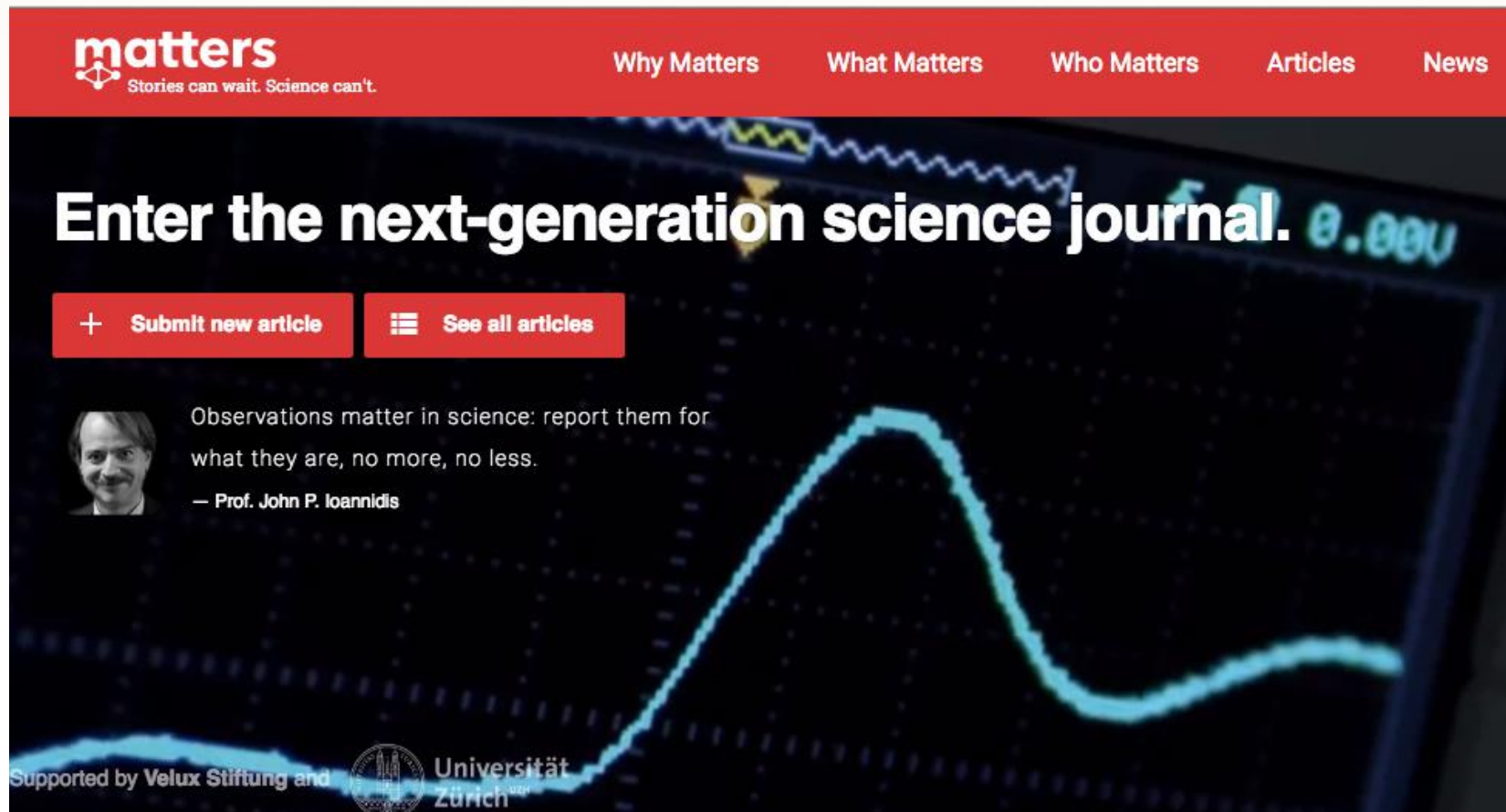
Wellcome Open Research

A new way for Wellcome-funded researchers to rapidly
publish any results they think are worth sharing.



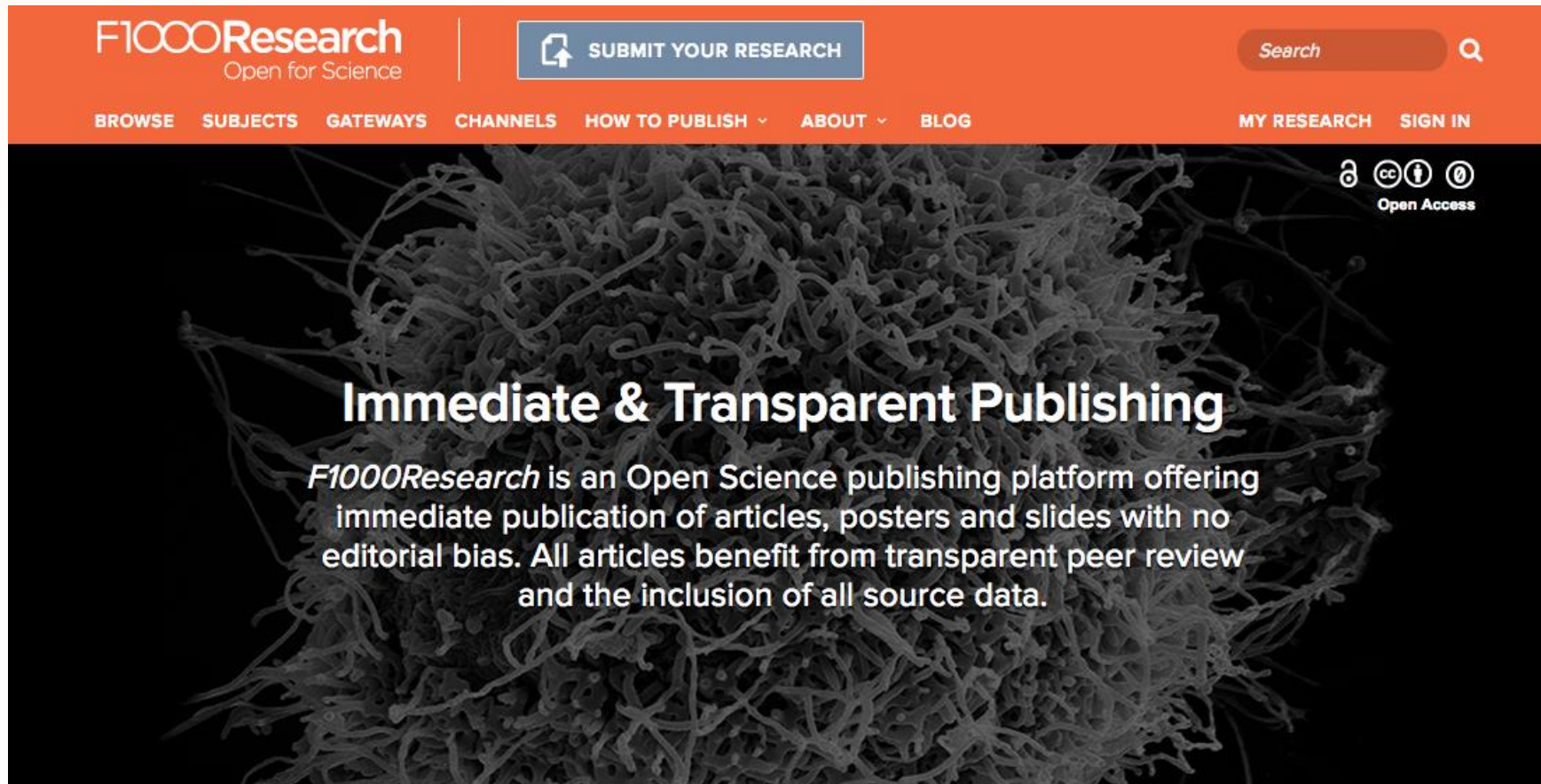
Publishes all outputs of the research cycle, including: project proposals, data, methods, workflows, software, project reports and research articles together on a single collaborative platform, with the most transparent, open and public peer-review process.

<http://riojournal.com/>



The data tell the story! Standard data, orphan data, negative data, confirmatory data and contradictory data are all published. What emerges is an honest view of the science that is done, rather than just the science that sells a story.

<https://www.sciencematters.io/>



F1000Research uses an author-led process, publishing all scientific research within a few days. Open, invited peer review of articles is conducted after publication, focusing on scientific soundness rather than novelty or impact.

<https://f1000research.com/>



Positively Negative: A New PLOS ONE Collection focusing on Negative, Null and Inconclusive Results

Posted February 25, 2015 by PLOS Collections in Aggregators



"I never quit until I get what I'm after. Negative results are just what I'm after. They are just as valuable to me as positive results." – Thomas A. Edison



PLOS ONE new [collection](http://blogs.plos.org/everyone/2015/02/25/positively-negative-new-plos-one-collection-focusing-negative-null-inconclusive-results/) to highlight studies that present inconclusive, null findings or demonstrate failed replications of other published work.
<http://blogs.plos.org/everyone/2015/02/25/positively-negative-new-plos-one-collection-focusing-negative-null-inconclusive-results/>

I hereby pledge allegiance to OA

Erin McKiernan, National Autonomous University of Mexico



I am a researcher working primarily in experimental and theoretical neuroscience and cellular biophysics. I like excitable cells, especially ones that burst. Sometimes I poke small animals with electrodes, other times I model neural activity. I also teach math and science. I blog about neuroscience, open access, open science, and women in science.

I pledge to:

- edit and review only for open access journals
- publish only in open access journals
- openly share my working manuscripts
- openly share my code, when possible
- openly share my data, when possible
- openly share my notebooks, when possible
- ask my professional societies to support open research
- speak out in support of open research



Thursday 24th November
9:30am-5pm

Betty & Gordon Moore Library, Cambridge

Register here:

http://www.opencon2016.org/opencon_2016_cambridge

The power is in your hands to change the system.

