

## Peer review – what is trending?

Pippa Smart  
ACSE Conference  
Dubai, August 2016



**REWARDS**

## **Do reviewers want rewards?**

**YES !!**

- Wiley 2015 research found 4 of 5 researchers agree there is not enough recognition

## **Responses**

- “Reviewing should be acknowledged as a measurable research output by research assessment bodies/my institution”
- “I would spend more time reviewing if it was recognised as a measurable research activity by research assessment bodies/my institution”
- “Reviewing is not sufficiently acknowledged as a valuable research activity by research assessment bodies/my institution”

## What is valuable to reviewers

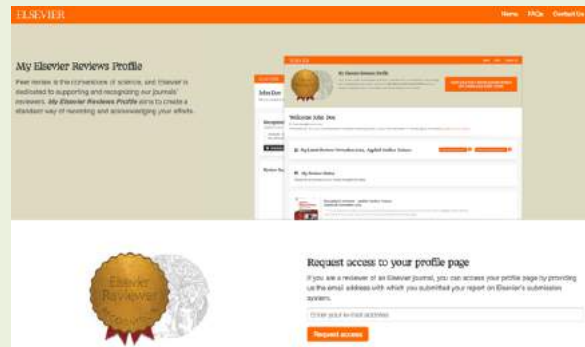
- Recognition is more valued than rewards
- Feedback
  - On the quality of their review, seeing other comments, informed of the decision
- Acknowledgement
  - In the journal, and personally from the editor

## What do publishers do?

- **Money**
- Veruscript (UK commercial publisher)
  - Pay reviewers c.£100 (cash, credit, fund)
- *Collabra* (University of California Press)
  - Reviewers awarded points
    - points = share of the “Research Community Fund”

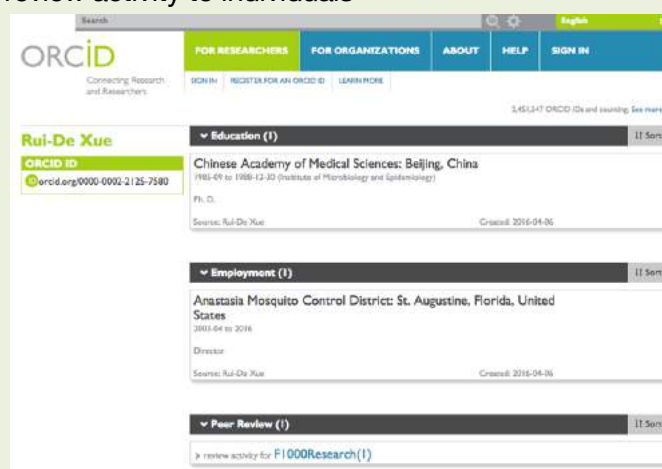
## What do publishers do?

- Recognition tools
- Elsevier: Reviewer recognition platform



## What do publishers do?

- Partner with recognition tools
- ORCID – linking review activity to individuals

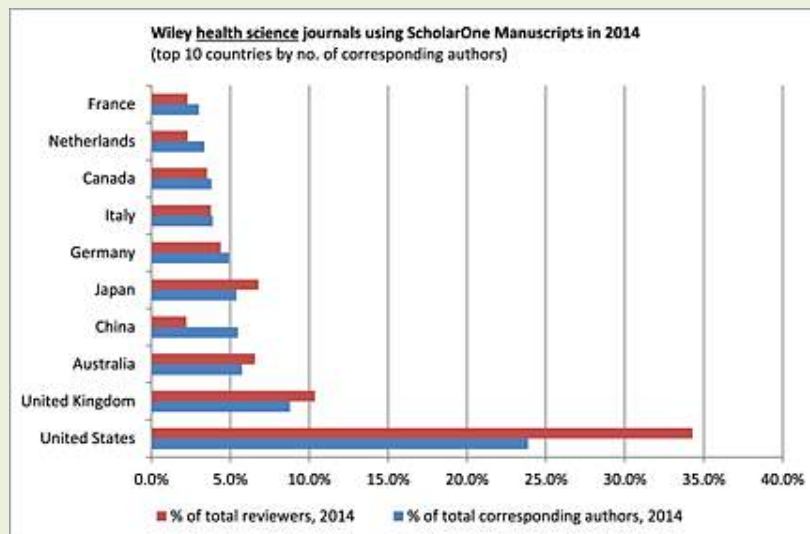
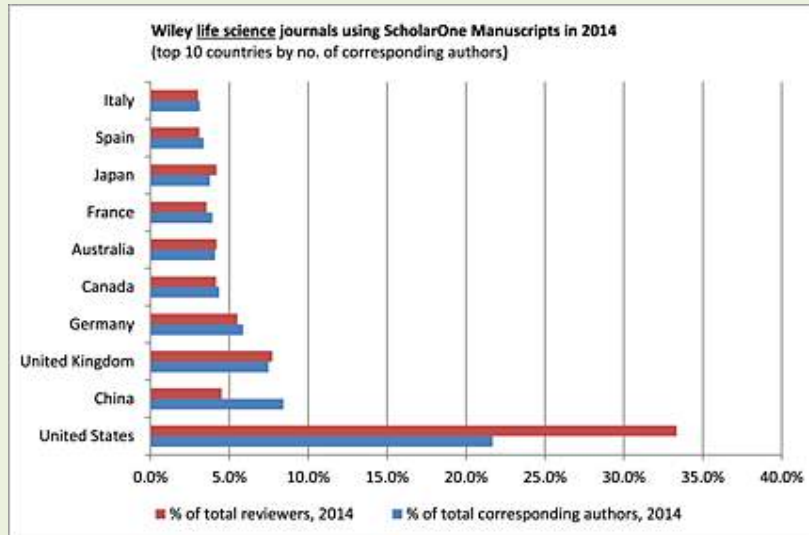


## What do publishers do?

- Partner with recognition tools
- Publons - "get credit for peer review"



## Unfair burdens





**PRE- OR POST-PUBLICATION REVIEW**

**Pre-publication ... "normal?"**



### Post-publication



### Post-publication



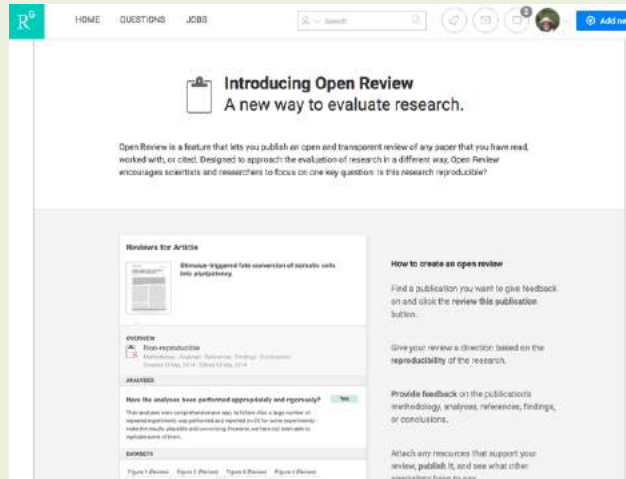


The screenshot shows the F1000Research website interface. At the top, there is a navigation bar with 'F1000Research Open for Science' and a 'SUBMIT YOUR RESEARCH' button. Below this are tabs for 'BROWSE', 'SUBJECTS', 'GATEWAYS', 'CHANNELS', 'HOW TO PUBLISH', 'ABOUT', and 'BLOG'. A large banner for 'Neuroscience, & Psychiatry' features a brain illustration. The main content area displays a list of articles with filters for 'Articles', 'F1000 Faculty Reviews', 'Posters', and 'Slides'. Two articles are visible: a research article 'Neurosteroids are reduced in diabetic neuropathy...' and a case report 'Case Report: Frontalis sign for early bedside consideration of impending uncal herniation...'. Each article entry includes the title, author(s), a 'Referees' status, and a publication date.

## Post-publication : Pubpeer

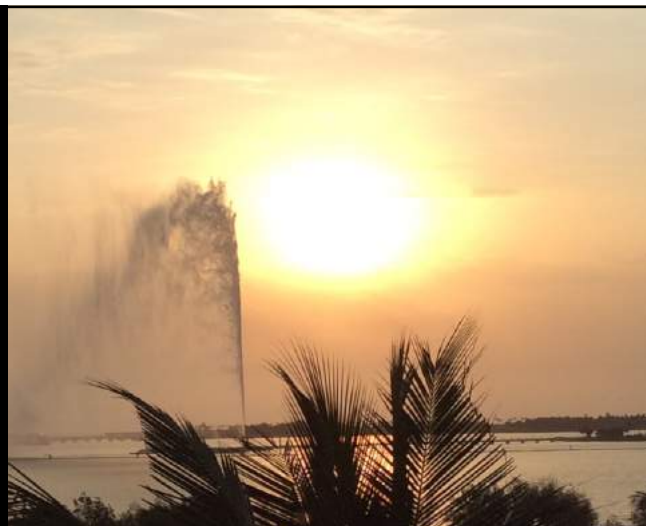
The screenshot shows the PubPeer website interface. The top navigation bar includes 'PubPeer', 'Blog', 'Recent', 'Featured', 'Journals', 'Topics', 'Login', and 'Domain'. A search bar is located on the right. The main content area is titled 'PubPeer > Recent' and is divided into two columns. The left column, 'Recent Comments', lists several articles with their titles and authors, such as 'Association of Proton Pump Inhibitors With Risk of Dementia: A Pharmacoepidemiological Claims Data Analysis'. The right column, 'Latest Blog Posts', contains a list of recent posts, including 'Vigilant scientists [UPDATED -- March 9th, 2016]' and 'The PubPeer Foundation'. Below the blog posts is a 'Tweets by @PubPeer' section showing a tweet from @GastonBurgio.

## Post-publication : ResearchGate



pippa.smart@gmail.com  
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**Pre-publication history** Highly accessed Open Access

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Bruno Marchal, Tom Hoerée, Valéria Campos da Silveira, Sara Van Belle, Nuggehalli S Prashanth and Guy Kegels

BMC Public Health 2014, **14**:378 doi:10.1186/1471-2458-14-378

**Pre-publication versions of this article and reviewers' reports**

Original Submission - Version 1	<a href="#">Manuscript</a>	30 Oct 2013	
Resubmission - Version 2	<a href="#">Manuscript</a>	30 Oct 2013	
Reviewer's Report	<a href="#">Jaap van den Heuvel</a>	30 Nov 2013	
Reviewer's Report	<a href="#">Sandra Leogat</a>	19 Dec 2013	
Resubmission - Version 3	<a href="#">Manuscript</a>	<a href="#">Author's comment</a>	30 Jan 2014
Reviewer's Report	<a href="#">Sandra Leogat</a>	12 Mar 2014	
Resubmission - Version 4	<a href="#">Manuscript</a>	<a href="#">Author's comment</a>	31 Mar 2014
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+ Author Affiliations  
\*†\*Corresponding author. Email: d.macintyre@imperial.ac.uk (D.A.M.); p.bennett@imperial.ac.uk (P.R.B.)

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DOI: 10.1126/scitranslmed.aag1026

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**Peer Review Details** DOI: 10.1126/scitranslmed.aag1026

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[Peer review policy](#)
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- Date accepted: **Jun-23-2016**
- Rounds of review prior to acceptance: **2**


**Roles who reviewed**

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Reviewer:	2
Advisor:	1

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**EXTERNAL REVIEW**



## Pre-submission peer review?

- Peerage of Science
  - Peer review prior to submission
  - Links to publisher submission systems, editor trawling

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## Commercial peer review?

- Rubriq
  - Paid-for peer review (@\$500)
  - Publisher partnerships?

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**WHAT DO WE WANT?**

**it is slow, expensive,  
largely a lottery,  
poor at detecting  
errors and fraud,  
anti-innovatory,  
biased, and prone to  
abuse**




Richard Smith


Richard Smith, BMJ Blogs, March 22, 2010

## Why review?

- To check for soundness
  - To assess originality, significance and interest
  - To assess fit between the paper and journal
  - Help authors improve the quality
- Michael Jubb, Wellcome Trust research, published 2016 in Learned Publishing: Peer review: The current landscape and future trends. <http://dx.doi.org/10.1002/leap.1008>



## Shameless plug ...



**Peer review: An expensive business**  
Pippa Smart

**Why do peer reviewers decline to review manuscripts? A study of reviewer invitation responses**  
Michael Willis

**Peer review in megajournals compared with traditional scholarly journals: Does it make a difference?**  
Bo-Christer Björk and Paul Catani

**Peer review: The current landscape and future trends**  
Michael Jubb

**The JBJS Peer-Review Scoring Scale: A valid, reliable instrument for measuring the quality of peer review reports**  
Stephen R. Thompson, Julie Agel and Elena Losina

**Peer choice—does reviewer self-selection work?**  
James Hartley, John Cowan and Nick Rushby

**Chinese researchers, scholarly communication behaviour, and trust**  
David Nicholas, Jie Xu, Lifang Xu, Jing Su and Anthony Watkinson

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Verity Warne

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**Process for selecting and implementing a manuscript management system: Experiences of a new peer-reviewed journal**  
Ruwalda M. Salem, Natalie M. Culbertson and Allison O'Connell

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Brooks Hanson, Rebecca Lawrence, Alice Meadows and Laura Paglione

**Is peer review still the content industry's upper house?**  
Alison Baverstock

**Back to the future: (re)turning from peer review to peer engagement**  
Rebecca Kennison