



Open Publishing

**Boos(t)Camp Open Science KU Leuven 24
Oct 2014**

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Outline

About BioMed Central

Peer review

Article-level metrics

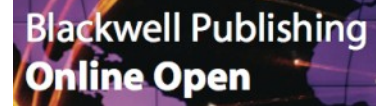
BMC Research Notes

Publishing Tips

Open Access Publishing, then and now...

2000

2014



And many more.

About BioMed Central

- Global publisher of peer-reviewed open access on-line journals
- Publish over 270 open access journals
- Part of Springer Science+Business Media
- Members of COPE & OASPA
- Creative Commons Attribution license CC-BY
- Costs covered by ‘article-processing charge’ (APC)

About the journals



- **Post-genomic' titles**

- **BMC series journals:**

- Broad interest:



- Subject-specific:



- Data-focused:



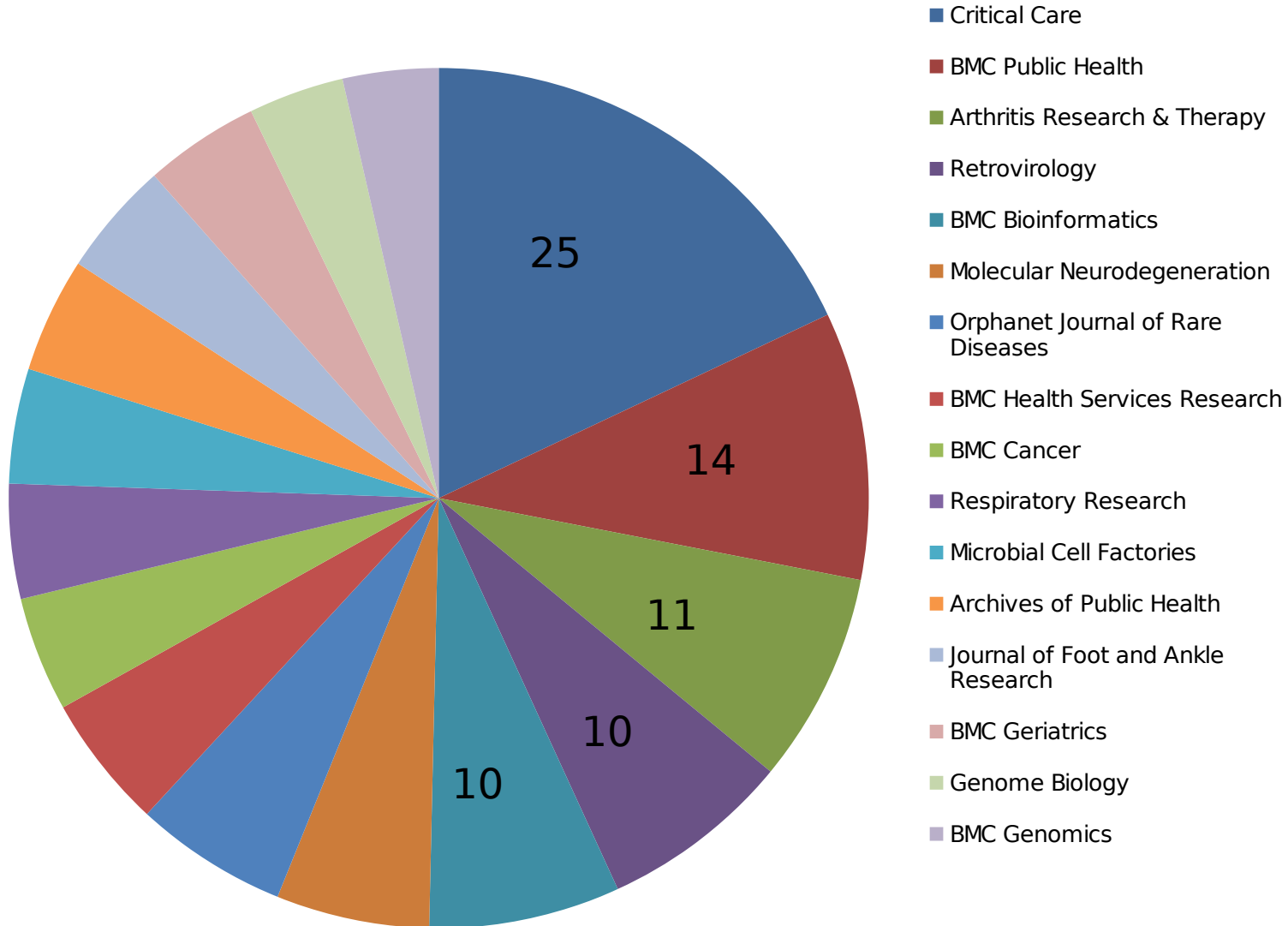
- **Independent Journals**

- External Editors-in-Chief, often society journals

- Span variety of subject areas



KU Leuven publications

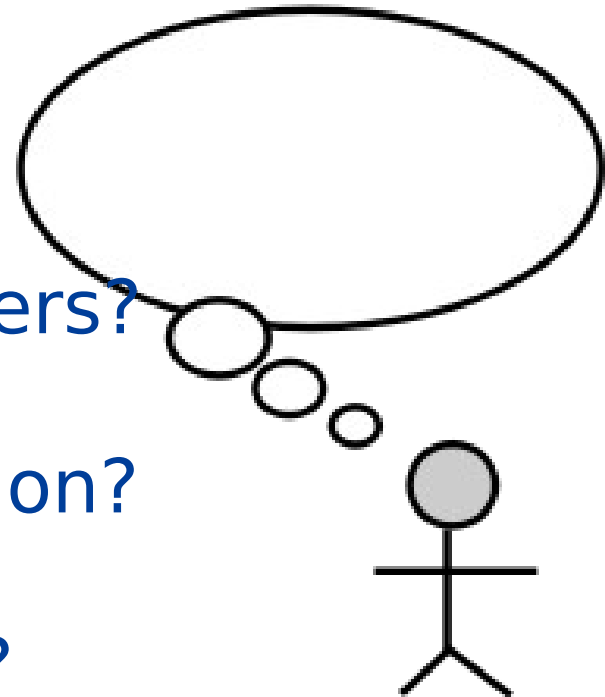


Which journal?

- Perceived reputation or prestige?
- Impact Factor? Other metrics?
- Scope?
- Open Access vs subscription?
- Visibility?
- Recommendation?

???

- Editorial Board Members?
- Online only or print?
- Frequency of publication?
- Options to transfer?
- Speed of peer review?
- Model of peer review?



What is peer review?

‘Peer review is the evaluation of scientific research findings for validity, significance and originality, by qualified experts who research and submit work for publication in the same field.’

- Traditional single-blind
- Double-blind
- Open peer review
- Post-publication peer review

Double-blind most popular among researchers

Editorial **Open Access** **Highly accessed**

Open, single-blind, double-blind: which peer review process do you prefer?

Elizabeth C Moylan, Simon Harold, Ciaran O'Neill, Maria K Kowalczyk

Journal of the American Society for Information Science and Technology, 2014, 45:55-60 (September 2014)

[CITATION] **Peer review in scholarly journals: perspective of the scholarly community-**

international study

M. Ware, M. Monkman - *Publishing Research Consortium* 2008

A Mulligan, L Hall, E Raphael - *Journal of the American Society ...*, 2013 - Wiley Online Library

This large-scale international study measures the attitudes of more than 4,000 researchers toward peer review. In 2009, 40,000 authors of research papers from across the globe were invited to complete an online survey. Researchers were asked to rate a number of general ...

- Pros & cons...



Why open peer review?

- Open on two levels
- Full transparency
- Increases accountability
- No difference in quality
- Feasible
- Credit
- Training
- Facilitates research



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Summary

In this study we measured the quality of reports provided by author suggested reviewers. We also assessed whether peer review quality between open and closed peer review models.

We compared manuscripts submitted to *BMC Microbiology* and *BMC Diseases*, two journals similar in every way except that the former journal with closed peer review while the latter is a medical journal on an open peer review model.

Using an established rating scale, we found no difference in the quality between author- and editor-suggested reviewers for a total of 10% in each journal. However, we observed a small but significant 5% increase in the overall quality of reports on *BMC Infectious Diseases*, which use review. Specifically, the score was higher for questions relating to methods (11%), constructiveness (5%), and amount of evidence in reviewers' comments (9%).

For both journals we found that author-suggested reviewers were likely to recommend acceptance of the manuscript. However, the recommendation of the editor-suggested reviewer was more strongly correlated with the decision.

The results of our study suggest that it is worthwhile to use author reviewers, but editors need to be aware that these reviewers are more likely to recommend acceptance of the manuscript.

10.1186/s12916-014-0261-2

 **BioRxiv**

 **GIGA SCIENCE**

 **F1000Research**

 **PeerJ**

 **BMJ Open**

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Opinion

Highly accessed

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Why training and specialization is needed for peer review: a case study of peer review for randomized controlled trials

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BMC Medicine 2014, **12**:128

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BMC Medicine 2014, **12**:128 doi:10.1186/s12916-014-0128-z

Pre-publication versions of this article and reviewers' reports

Original Submission - Version 1	Manuscript		22 May 2014
Reviewer's Report	David Moher		30 May 2014
Reviewer's Report	Doug Altman		18 Jun 2014
Resubmission - Version 2	Manuscript	Author's comment	09 Jul 2014
Editorial acceptance			14 Jul 2014
Editor's comment		Editor's comment	30 Jul 2014

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-level metrics

Measure the dissemination and reach of individual

- Citations
- Usage (accesses and downloads)
- Saves (bookmarks/inclusions in ref managers)
- Discussions via social media
- Comments and ratings

How are metrics visualised?

Highly accessed

Open Access

BMC MEDICINE
Volume 12

Opinion

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Articles

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Causes of collapsing bee colonies

The drivers of collapsing Spanish honey bee colonies differ according to region, environmental conditions and beekeeping practices; more research on the diversity and taxonomy of the pathogens involved is needed.
BMC Research Notes 2014, **7**:649

SUBMIT YOUR DATA NOTE

Make your data visible and easily accessible

Aims & scope

BMC Research Notes is an open access journal publishing scientifically sound research across all fields of biology and medicine. The journal provides a home for short publications, case series, and incremental updates to previous work with the intention of reducing the loss suffered by the research community when such results remain unpublished.

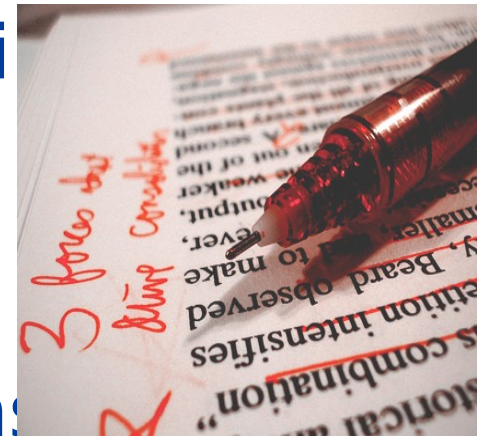
Increased transparency

	Declarations
	List of abbreviations
	Ethics Approval and Consent to participate
	Consent for publication
	Availability of supporting data
	Competing interests
	Funding
	Authors' contributions
	Acknowledgements
	Authors' information

maximise your chance of publication success:

Planning:

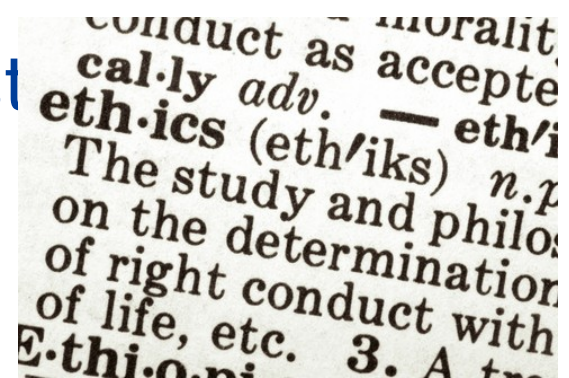
- Clearly formulated research question
- Appropriate experimental design, statistics & numbers
- Maximise impact but in context of prior work (literature search!)
- One key finding per manuscript
- Avoid salami-slicing
- Be original (don't plagiarise!)
- Be "on topic"
- Data support your conclusions



Improve your chance of publication success:

Practicalities:

- Agree author contributions/acknowledgements
- Conform to guidelines (be responsible and ethical)
- Check 'instructions for authors'
- Clear writing style
- Declare conflicts of interest
- Include a cover letter
- Suggest peer reviewers
- Peer review model?
- Be flexible (have a back up)



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of life, etc. **3.** A tra
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- Hopewell S. *et al.* (2014) Impact of peer review on reports of randomised trials published in open peer review journals: retrospective before and after study. <http://www.bmj.com/content/349/bmj.g4145.long>
- Kowalczyk M. *et al.* (2013) A comparison of the quality of reviewer reports from author-suggested reviewers and editor-suggested reviewers in journals operating on open or closed peer review models <http://f1000.com/posters/browse/summary/1094564>



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