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Demystifying Peer Review: Using Open Peer Review in Information Literacy Instruction

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Citation Details

Demystifying Peer Review
Using Open Peer Review in Information Literacy Instruction

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Annotated Bibliography

This is the heart of the assignment. Begin with an introduction explaining the scope of your topic to familiarize the reader with the focus of your research. The introduction may be two or three paragraphs long. List the items alphabetically by author, using APA format. Each item must include:

> ➢ an annotation or <u>descriptive and critical evaluation</u> of the resource demonstrating clearly how this item related to your topic (see sample annotations)
>
> ➢ photocopy of the title and verso pages of each book cited, or the first page of each article

Sources may include: books, scholarly articles, government documents, web pages and web produced reports, and other peer-reviewed or rigorous scientific report. You will need to include **at least 4 scholarly journal articles (this includes law reviews) and at least one book (recently published or classic book in the field)**. Feel free to use the bibliographies of other articles as jumping off points for locating other scholarly articles on your topic.

The purpose of this project is for each student to demonstrate an understanding of the research skills covered by the library instruction component of this class and to use the research methods skills gained to critically analyze scientific writing. <u>You must use the Illinois State University library resources (periodical databases and online catalog) to locate the majority of your sources.</u> Sources may include: books, scholarly articles, government documents, web pages and web produced reports, and other peer-reviewed or rigorous scientific report. You will need to include **at least 4 scholarly journal articles (this includes law reviews) and at least one book (recently published or classic book in the field)**. Feel free to use the bibliographies of other articles as jumping off points for locating other scholarly articles on your topic.
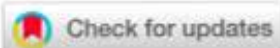
Open Peer Review

- Authors and reviewers can openly communicate.

- Reviewer guidelines are transparent.

- The community can view reviews, and sometimes even chime in!

- Conflicts of interest are openly disclosed.

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RESEARCH ARTICLE

REVISED A survey of working conditions within biomedical research in the United Kingdom [version 3; referees: 2 approved]

✉ Nick Riddiford

➕ Author details

This article is included in the Science Policy Research gateway.

This article is included in the Future of Research (FoR) collection.

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Open Peer Review

Referee Status: ✔ ✔

Version(s)	Invited Referees 1	2
REVISED Version 3 published 16 Aug 2017	✔ read report	✔ read report
REVISED Version 2 published 12 May 2017	? read report	
Version 1 published 07 Mar 2017	? read report	? read report

1 Jessica K. Polka (iD), Whitehead Institute, USA
2 Kearney T. W. Gunsalus (iD), Siena College, USA

All reports (5)

Comments on this article

All comments (0)

Add a Comment

Abstract

Background: Recent articles have presented a bleak view of career prospects in biomedical research in the US. Too many PhDs and postdocs are trained for too few research positions, creating a "holding-tank" of experienced senior postdocs who are unable to get a permanent position. Coupled with relatively low salaries and high levels of pressure to publish in top-tier academic journals, this has created a toxic environment that is perhaps responsible for a recently observed decline in biomedical postdocs in the US, the so-called "postdocalypse".
Methods: To address the gulf of information relating to working habits and attitudes of UK-based academic biomedical researchers, a link to an online survey was included in an article published in the Guardian newspaper. Survey data were collected between 21st March 2016 and 6th November 2016 and analysed to examine discrete profiles for three major

https://f1000research.com/articles/6-229/v3

Jessica K. Polka ⓘ , Whitehead Institute, Cambridge, MA, USA

? **Approved with Reservations**

This survey represents an important contribution to our understanding of career satisfaction among early career researchers. As you note, many efforts have focused on the US, so this study is especially valuable in light of its focus on the UK. However, the opt-in nature of the survey should be disclosed in the abstract, and several other parts of the manuscript could be productively modified.

Methods

- Please explain how the survey was advertised and what target audiences were likely reached.
- Since you have IP addresses, can you report how many of the responses came from within the UK and how many were from academic institutions? The former would be essential support for the claim that the report is representative of ECRs in the UK.
- Furthermore, can you compare age and other factors to any known statistics to evaluate how representative your sample is in these dimensions?

Results

- Please clarify whether the term "research" is used to mean academic research or research in industry as well. If the latter, did any of the survey respondents identify as industry researchers? For example, at the end of the section on PhD students, you write that 28% plan on leaving academia, yet the question asks about research - a

Referee Report 22 May 2017

Jessica K. Polka , Whitehead Institute, Cambridge, MA, USA

? Approved with Reservations

The manuscript has been improved throughout (including a beautiful new figure), but several of my concerns have not yet been addressed.

For example, please make it explicit that your survey is intended to cover experiences within the UK *academic* biomedical system.

"Researchers" is misspelled in the first sentence of "survey design," and the sentence beginning with "the large majority that" has a grammatical error. In this sentence, it would be helpful to remind the reader that question 10 allowed respondents to select all that apply.

Figure 2 is still difficult to read - please see my original comments.

Competing Interests: I serve as president of the Board of Directors of Future of Research, a group mentioned in this paper.

I have read this submission. I believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.

Close

REPORT A CONCERN
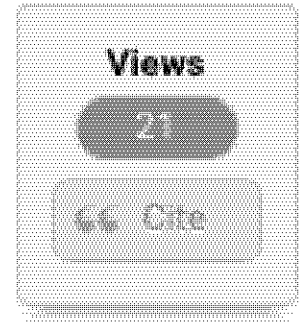
Referee Report 19 Sep 2017

Jessica K. Polka (ID) , Whitehead Institute, Cambridge, MA, USA

✓ **Approved**

I have no further comments.

Competing Interests: I serve as president of Future of Research, an organization named in this article and associated with a collection that this article appears in.

I have read this submission. I believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard.

Close

REPORT A CONCERN

Bright Ideas

- Flip an assignment. Read though an OPR example. In class peer review some tweets!

- Require students to publicly comment on scholarship on a publication that allows it.

- Ask students to participate in reviewing OER.

- Task students with coming up with their own peer review guidelines.

Read More

- Ford, E. (2018). Scholarship as an Open Conversation: Utilizing open peer review in information literacy instruction. *In the Library with the Lead Pipe.* April 4.

- Rorabaugh, P. & Stommel, J. (2012). In Search of the "Peer" in Peer Review. *Hybrid Pedagogy.* January 23.

- Niles, G. & Risely, L. (2018). Students as Authors Through Open Pedagogy. *Learning with Technology for Teaching.* January 17.