



Preprints, bioRxiv and PLOS

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PLOS Mission

PLOS is a non-profit publisher and advocacy organization with a mission to accelerate progress in science and medicine by leading a transformation in research communication.



What are preprints?

- Research that is:
 - **Not peer reviewed**
 - **Immediately accessible**
 - **May be the preliminary version**
- Allows for comments from the **community**
- Often done **simultaneously with journal submissions**



Maria Zavodszky • 2 years ago

Hi, Thanks for sharing this manuscript. I have found that the manuscript mentions supplementary tables that I could not find in the word document posted here under Data Supplements. I would be interested in seeing them. Is is possible?

Thanks,
Maria Z.

^ | v • Reply • Share ›



Adam Godzik → Maria Zavodszky • 2 years ago

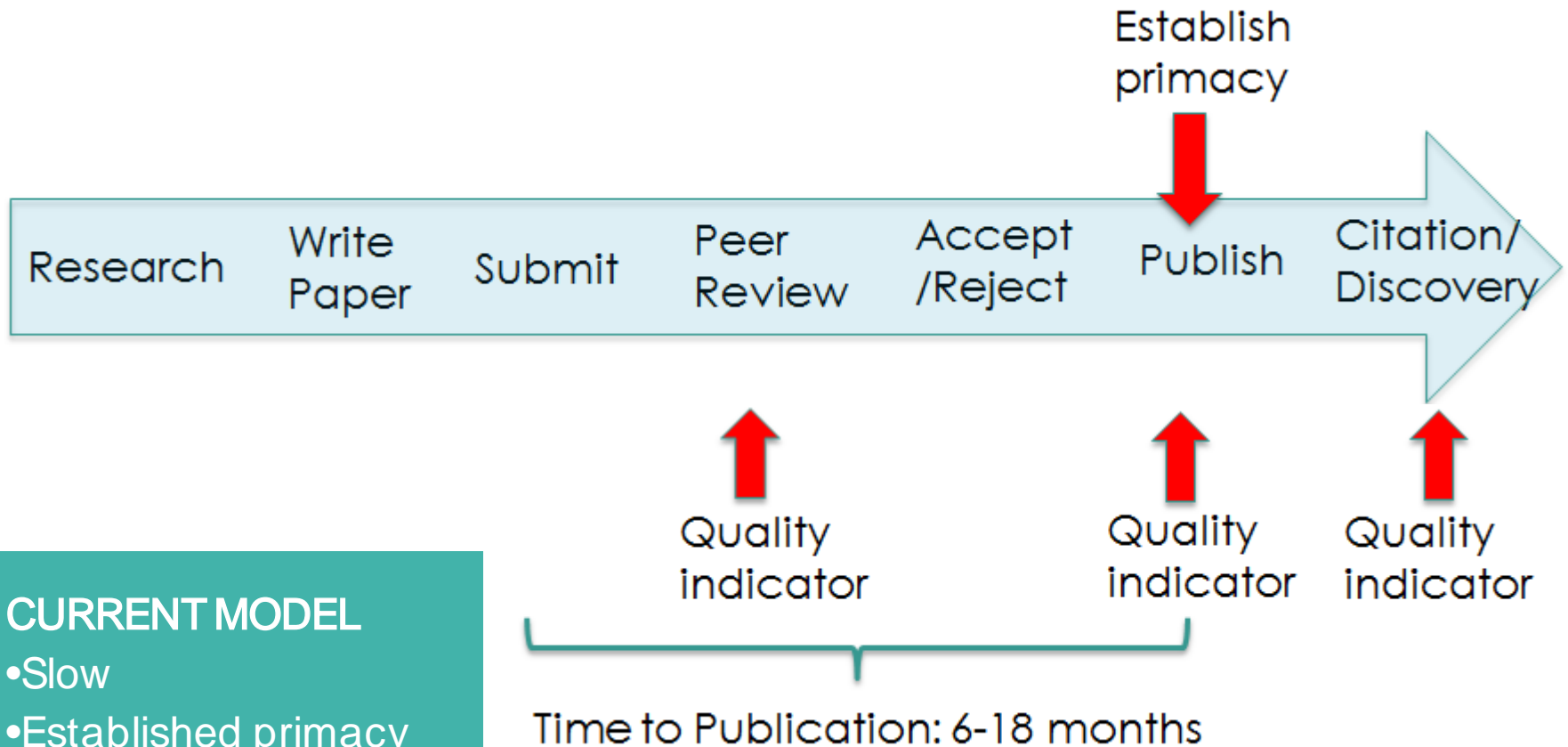
all the data are available at <http://github.com/eduardpor...> or from the links there

^ | v • Reply • Share ›

Preprints recent growth

- PubMed indexes more than **800,000 articles** a year
- Since 2013, bioRxiv has published **8,000 preprints**
- arXiv, launched in 1991, now publishes over **100,000 preprints a year**
- Approximately 50% of preprints are eventually published in journals
- PLOS survey results indicate that 20% of today's biomedical researchers would submit their paper to a preprint server

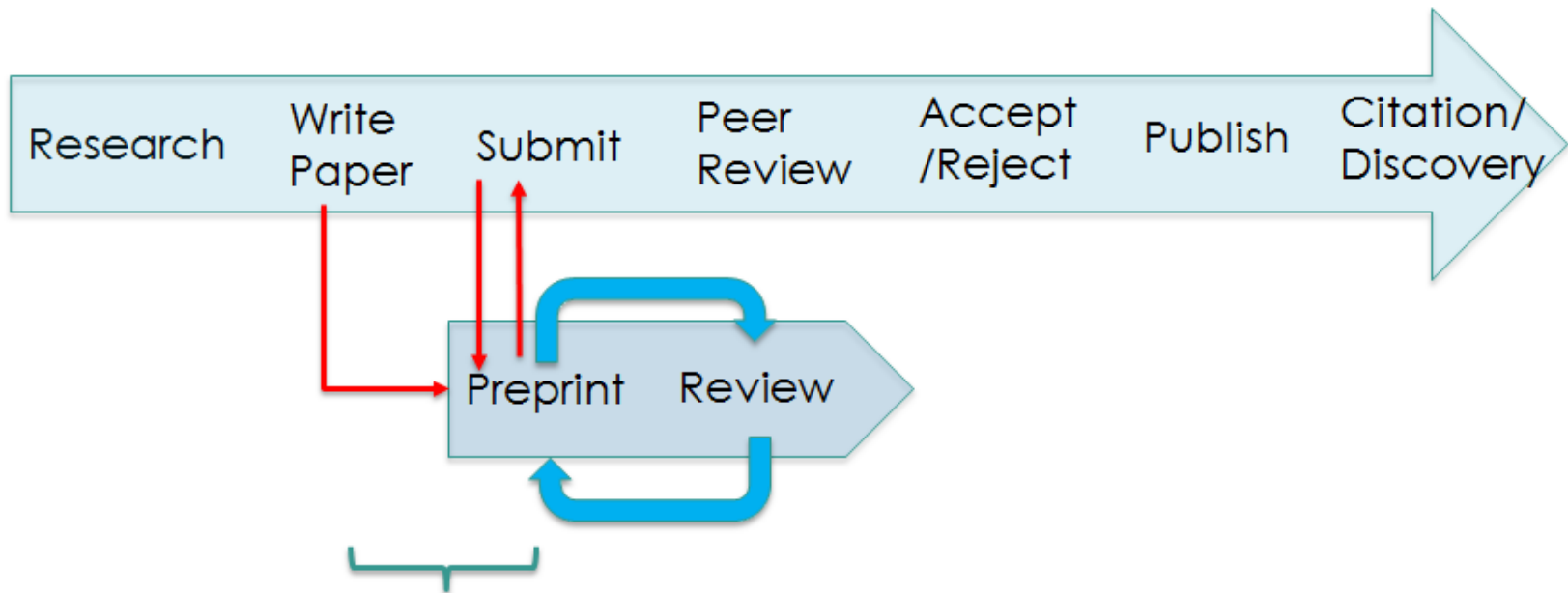
How preprints fit into existing publishing



CURRENT MODEL

- Slow
- Established primacy
- Known quality indicators

How preprints fit into existing publishing



Time to Publication: hours/days

PREPRINT MODEL

- Accelerates science
- Embeds tech shortcuts into the process
- Can co-exist with traditional journals
- Fosters community review

PLOS and Preprints

Accelerate Progress with Early Sharing of Work

- PLOS has long supported authors who wish to share their work early and **receive feedback before formal peer review**
- Posting a research article to a preprint server has **never impacted consideration** of the manuscript at any PLOS journal

PLOS and bioRxiv: The best of both worlds

- **Zika outbreak**, December 2015
 - WHO declares Zika a public health emergency
 - Calls to publish research as quickly as possible
 - *PLOS Neglected Tropical Diseases* directed all authors submitting Zika research to post their papers on bioRxiv or another preprint server

PLOS and bioRxiv: The best of both worlds

- PLOS partners with bioRxiv to allow **submissions directly from bioRxiv**, Sept 2016
 - bioRxiv DOI remains associated with PLOS paper
 - If published, PLOS deposits both DOIs to CrossRef so the papers can be linked

The *queenslandensis* and the type form of the dengue fever mosquito (*Aedes aegypti* L.) are genomically indistinguishable

Gordana Rašić, Igor Filipović, Ashley G Callahan, Darren Stanford, Abigail Chan, Sai Gek Lam-Phua, Cheong Huat Tan, Ary Anthony Hoffmann

doi: <https://doi.org/10.1101/063792>

Now published in *PLOS Neglected Tropical Diseases* doi: [10.1371/journal.pntd.0005096](https://doi.org/10.1371/journal.pntd.0005096)



PLOS NTDs article,
originally started
as bioRxiv preprint



PLOS and bioRxiv: The best of both worlds

Since partnering with bioRxiv, we've received over
100 transfers directly from bioRxiv!

The mechanics

- Authors can select to submit to a PLOS journal **directly from bioRxiv**
- Submissions come to PLOS' **Editorial Manager** like a normal submission
- Editors are provided with **link to original preprint** and encouraged to take **community comments** into consideration

Preprint curation

- *PLOS Genetics* brings on **Preprint editors**, December 2016
 - Editors review papers on preprint servers
 - Possible candidates sent to Senior Editors for rapid consultation
 - If approved, editors contact authors and ask them to submit to *PLOS Genetics*

What's next?

- Growth
- Improved technology
- More community review
- Journals co-existing



Thank you!

Questions? Contact me at

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