

Faster future: preprints

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What is a preprint?

 "A scholarly manuscript posted by the author(s) in an openly accessible platform, usually before or in parallel with the peer review process"

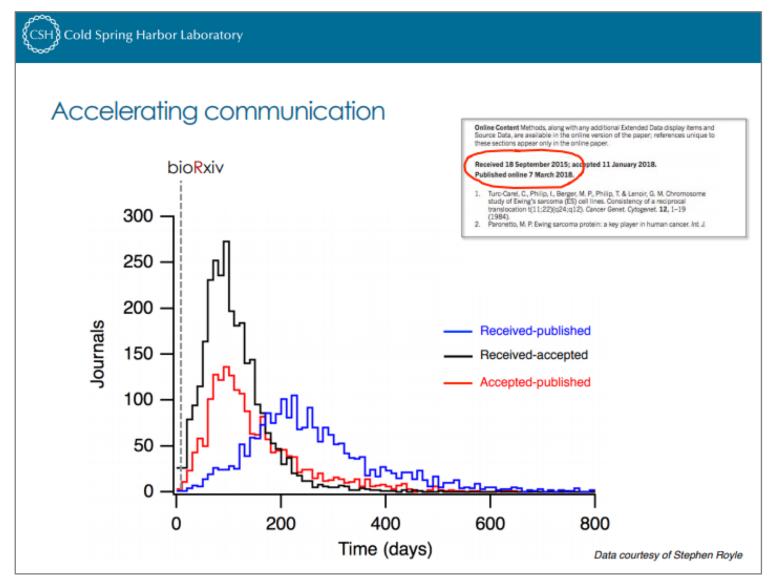




- 1. Committee on Publication Ethics. Discussion document on preprints. March 2018. Available at: https://publicationethics.org/files/u7140/COPE Preprints Mar18.pdf
- 2. Ellison T et al. bioRxiv 2018. Available at: https://www.biorxiv.org/content/early/2018/01/22/250613

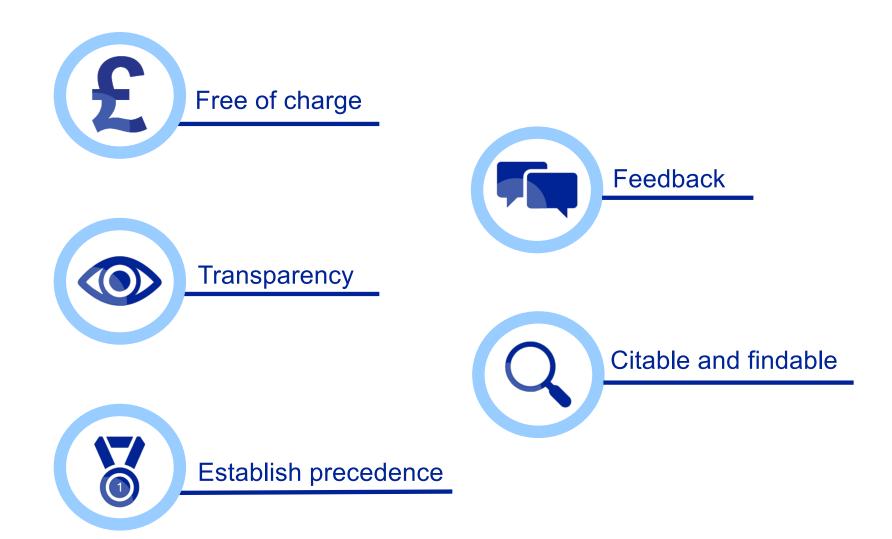


Speed is the main benefit of preprints



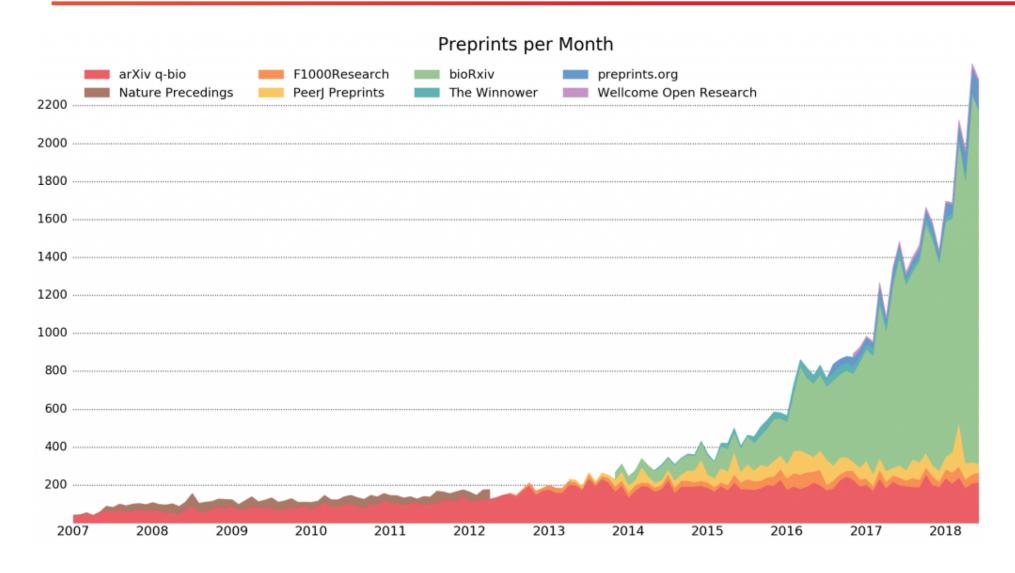


What are the other benefits of preprints?





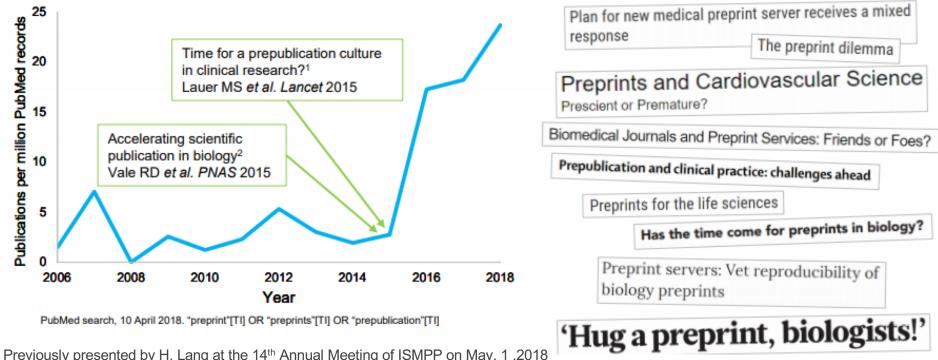
The rise of preprints





Preprints in medicine are controversial

- Calls for the use of preprints in medicine¹ have prompted much debate^{2,3,5–13}
- Approximately 1% of 18 811 preprints posted on bioRxiv before 1 January 2018 reported industry-authored research, most of which was basic science⁴



^{1.} Lauer MS et al. Lancet 2015;386:2447–9; 2. Tabor E. Lancet 2016;387:750; 3. Maslove DM. JAMA 2018;319:443–4. 4. Lang H et al. 14th Annual Meeting of ISMPP 2018. Available at: https://doi.org/10.21305/ismppus2018.002; 5. http://www.sciencemag.org/news/2017/09/plan-new-medical-preprint-server-receives-mixed-response; 6. Kaiser J. Science 2017;357:1344–9; 7. Nallamothu BK and Hill JA. Circulation 2017;136:1177–9; 8. Annesley T et al. Clin Chem 2017;63:453–8; 9. Editorial. Lancet Neurol 2017;16:409; 10. Berg JM et al. Science 2016;352:899–901; 11. Bhalla N. Mol Biol Cell 2017;27:1185–7; 12. Calne R. Nature 2016;535:493; 13. Callaway E and Powell K. Nature 6 2016;530:265.



Considerations for pharma

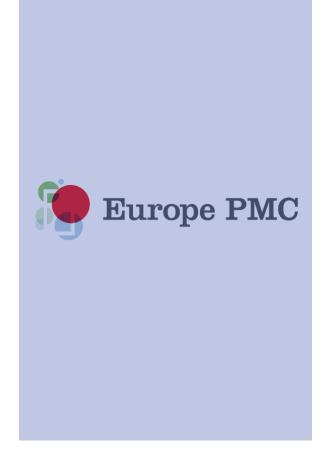
- Are preprints seen as promotional?
- Risks of medical misinformation?
- Do preprints sacrifice quality for speed?
- How can comments be tracked and addressed appropriately?





What's happening now and in the future?

THE LANCET
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Resources

- ASAPbio preprint info centre: http://asapbio.org/preprint-info
- bioRxiv: www.biorxiv.org
- Is pharmaceutical industry research posted as preprints? https://doi.org/10.21305/ismppus2018.002
- Open Pharma blog. What do preprints mean for medical publishing? https://openpharma.blog/2018/05/31/what-do-preprints-mean-for-medical-publishing
- Preprints in biology and medicine, John Inglis: www.slideshare.net/BaltimoreNISO/inglis-preprints-in-biology-and-medicine
- The YODA project, medRxiv: http://yoda.yale.edu/medrxiv
- Papers:
 - Lauer MS et al. Lancet 2015;386:2447–9.
 - Tabor E. Lancet 2016;387:750.
 - Maslove DM. JAMA 2018;319:443–4.

