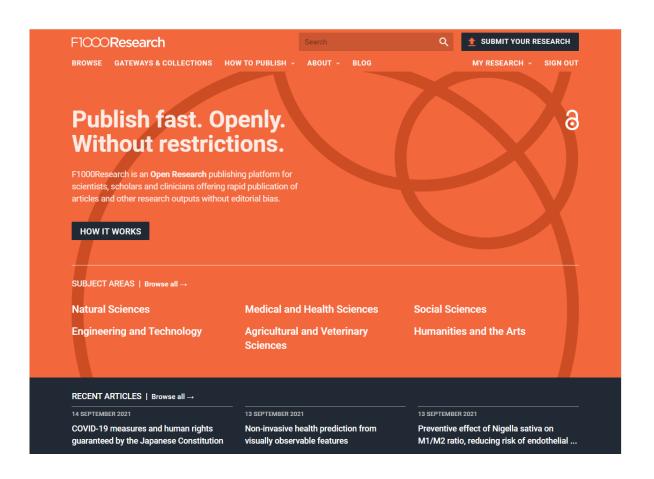
Open Research Practices

Demitra Ellina, Publishing Executive, F1000 20th October 2021, MPDL Open Science Days



Introducing F1000Research



- I Launched in 2013
- I Aim to rethink and evolve scholarly communication system
- An Open Research publishing platform where a range of research outputs can be published

https://f1000research.com/

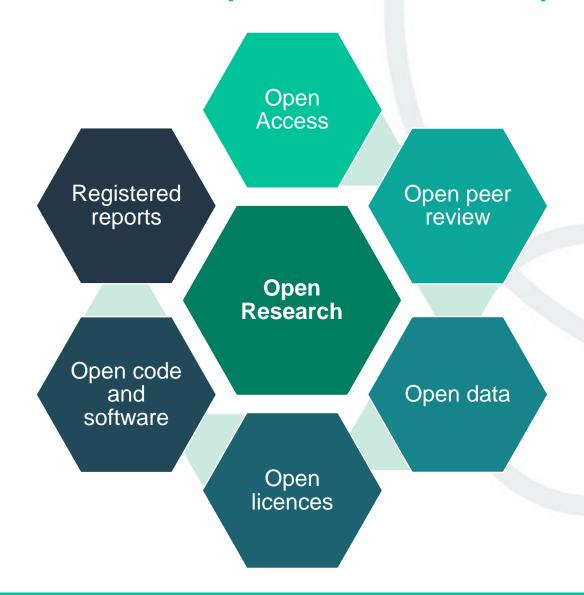


What is Open Research?

"The practice of science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of the research and its underlying data and methods."

Foster Open Science

What are the facets of Open Research publishing?





Open Access

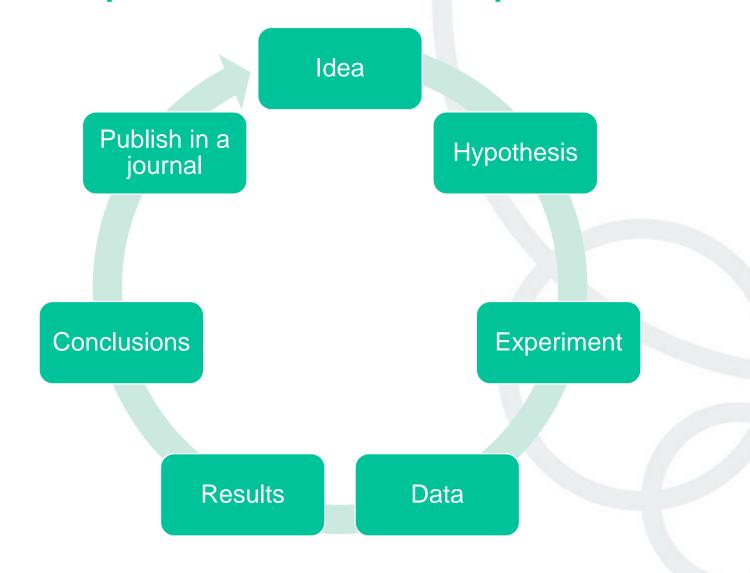
Online access to scientific information that is free of charge to the user and that is re-usable

Open Access

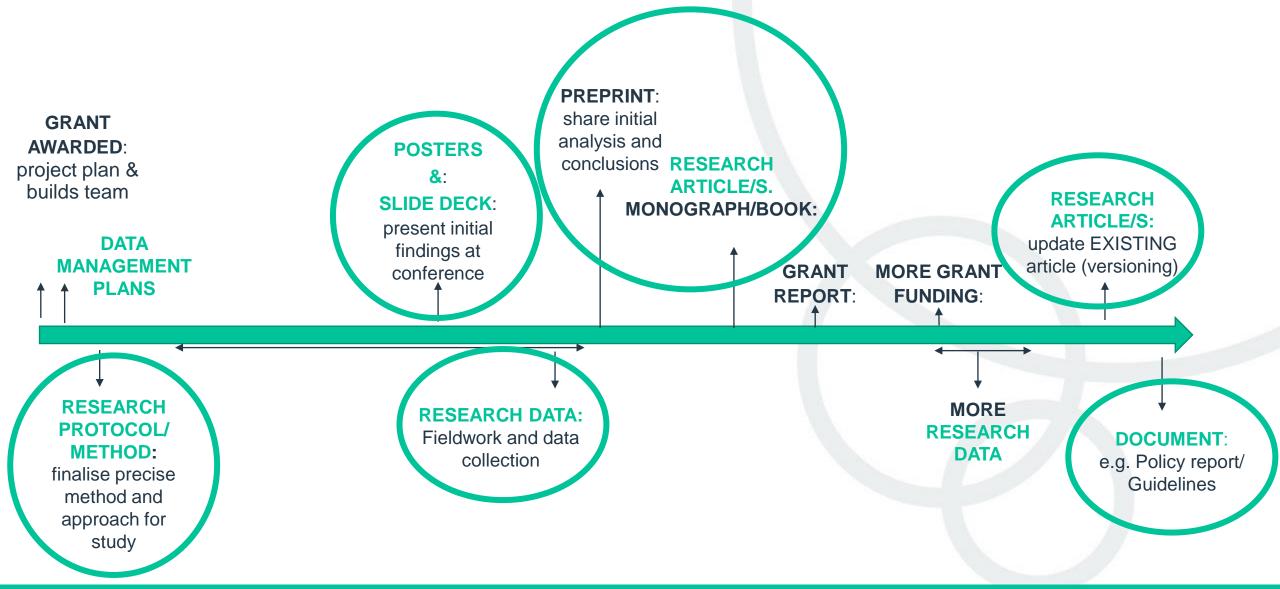
- Accelerates discovery and citations
- Public access and engagement
- Education and re-use outside of research
- •Estimates say at least 28% of the scholarly literature is Open Access
- Over 13,000 Open Access journals are listed in DOAJ
- •Growing number of research organisations and funders have OA policies/mandates



Moving from Open Access to Open Research



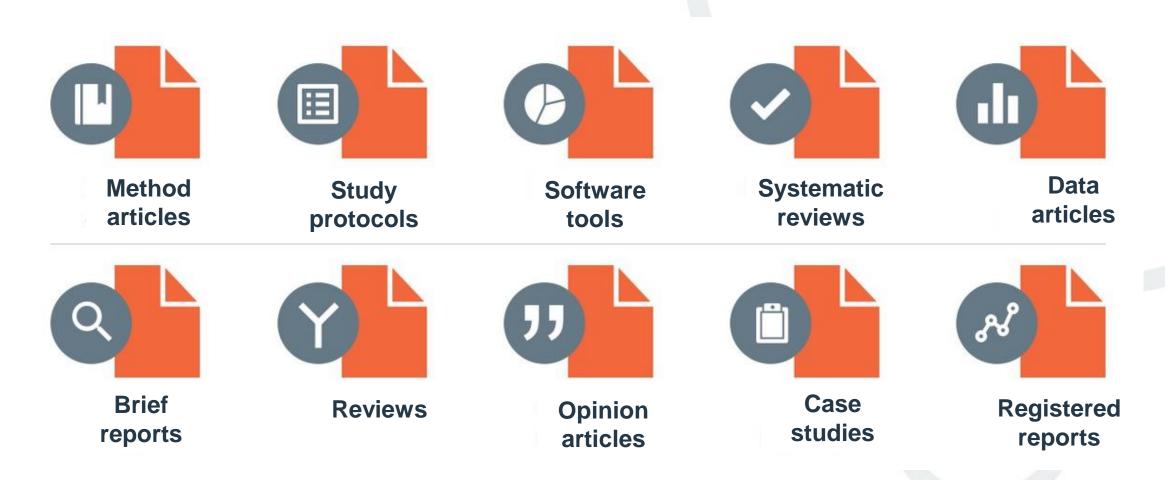
F1000Research: supporting the research journey





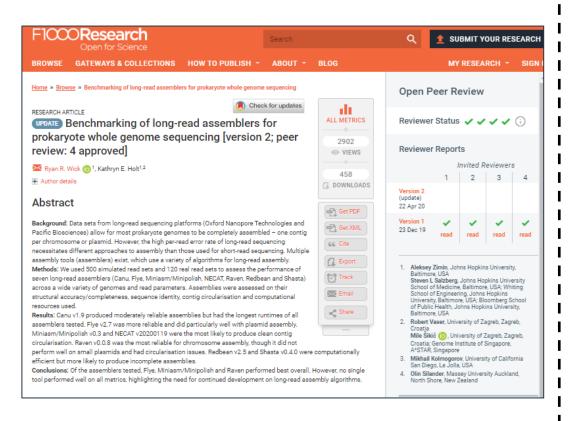
A diversity of research articles types

Research outputs come in a variety of shapes. So do our article types.



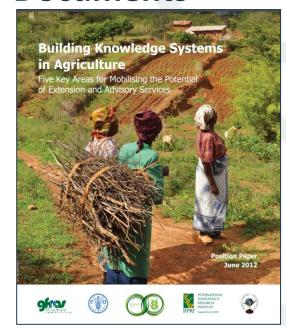
F1000Research publishing: a diversity of output

Original research publishing Peer reviewed



Other research-based content Not peer reviewed

Documents



Slide Decks



Posters





Open Data

As open as possible, as closed as necessary



- We endorse the FAIR data principles alongside our own open data policies
- Our part in ensuring the research published on our platforms is reproducible
- Data Notes promote the reuse of datasets by providing a detailed description of a dataset; making it easier for other researchers to interpret



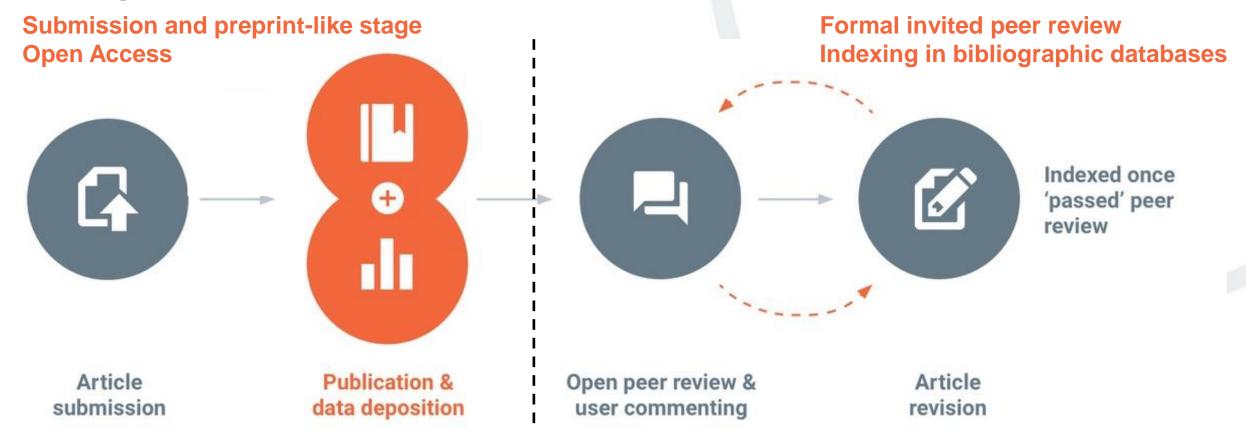
Your go-to guide to making your data Findable, Accessible, Interoperable, and Reusable:

https://f1000researchdata.s3.amazonaws.com/resources/FA IR_Open_Guide.pdf



F1000Research publishing: how does it work?

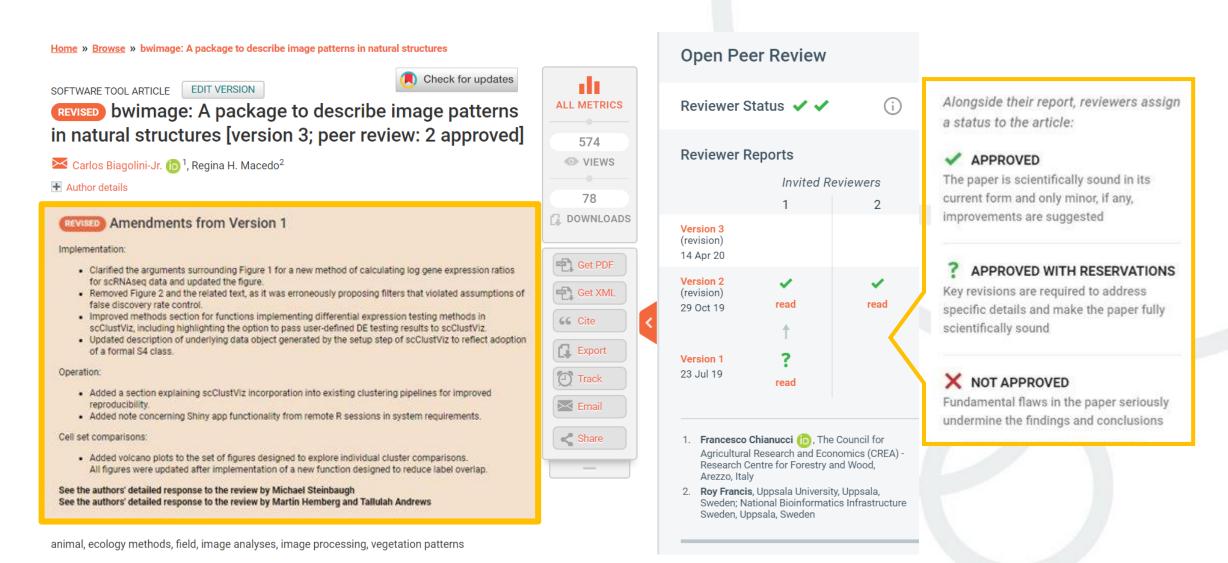
For original research articles



Articles are immediately indexed (as preprints) in Google Scholar and Europe PMC.

Once an article passes peer review it will be indexed in PubMed, PubMed Central, MEDLINE, Scopus and more

The peer review process is open and transparent





Open Peer Review creates a constructive dialogue

Reviewers names and affiliations

Status

Reviewers comments

Reviewer Report

06 Feb 2019 I for Version 1

Matthew H. Todd (, School of Pharmacy, University College London (UCL), London, UK

Edwin Tse (i) , University of Sydney, Sydney, Australia Marat Korsik, University of Sydney, Sydney, Australia Mathamsanqa Bhebhe, University of Sydney, Sydney, 19 Views

77 Cite this report

Responses (1)

? APPROVED WITH RESERVATIONS

This opinion piece is on a timely, important topic and is clearly and engagingly written.

Anecdotally, we find that many of our colleagues in science are unaware that open lab notebooks exist. This article will help.

The authors identify several important advantages and challenges associated with the nearimmediate deposition of results into the public domain, online. They use examples from their own research to highlight the possibilities.

The refereeing team behind this review are seasoned users of open lab notebooks, and so are in a good position to judge the piece. We judge it to have cleared peer review from our perspective, once the following comments and suggestions have been acted upon. There are a number, which should be read not as criticism but as testament to our shared enthusiasm for this subject and its importance in the future of research.

1) Secrecy. In the introduction, reasons are suggested for why scientists may keep results secret.
We would suggest that there are two important reasons that are not explicitly mentioned: i) that the scientist may want to patent something, and ii) that the scientist cannot be bothered to work out how to release research using atypical means. The first point is alluded to where mention is made of ownership, and the second point is alluded to by the mention of "paper" but we would argue these two factors are significant enough that they should be made explicit.

2) Careers. We'd be interested in whether there is a justification for the statement "Many believe that openly sharing work online will limit career opportunities." If there is none, then perhaps rephrase this more as a possibility? Responses (1)

AUTHOR RESPONSE 02 Apr 2019

Matthieu Schapira, SGC, Toronto, Canada

1) Secrecy. In the introduction, reasons are suggested for why scientists may keep results secret. We would suggest that there are two important reasons that are not explicitly mentioned: i) that the scientist may want to patent something, and ii) that the scientist cannot be bothered to work out how to release research using atypical means. The first point is alluded to where mention is made of ownership, and the second point is alluded to by the mention of "paper" but we would argue these two factors are significant enough that they should be made explicit.

Points well taken. The following statement was added to the Introduction "...and can be compounded by constraints associated with patent protection procedures or the absence of clear mechanism to make one's data publicly available."

2) Careers. We'd be interested in whether there is a justification for the statement "Many believe that openly sharing work online will limit career opportunities." If there is none, then perhaps rephrase this more as a possibility?

This was not clear. The sentence was replaced as follows:

"Many believe that the chances of getting scooped before one publishes their work in a peerreviewed journal increase when openly sharing their work online [9]"

3) Grants. The statement "Grant applications that highlight the use of open lab notebooks are being viewed positively" may be true (one hopes it is), but the evidence presented doesn't support that statement (the grants may have been funded because the science was so good, regardless of the dissemination plan), so again, this probably needs to be made more aspirational.

This was revised as follows:

Authors response

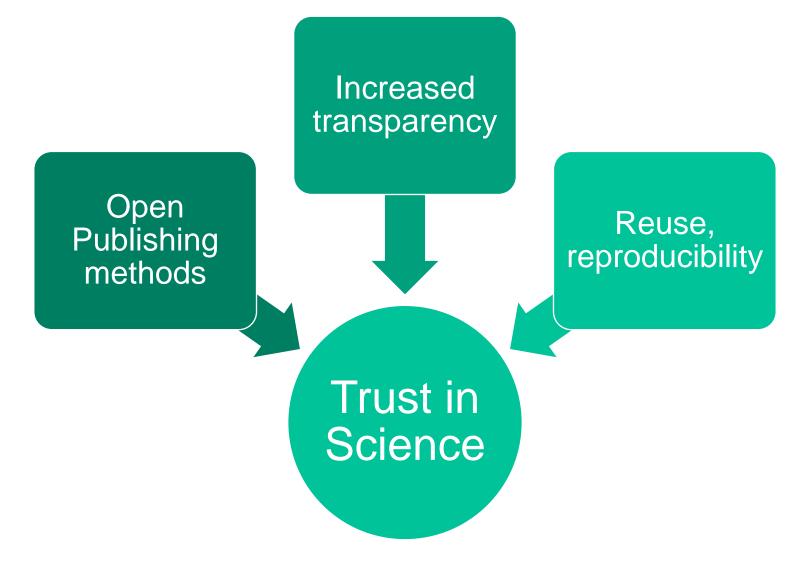
Open Peer Review

Why this model?



- Minimising bias reviewers publicly stand by their comments
- Constructive dialogue
- Useful info in reports
- Credit for referees

How does it fit together?



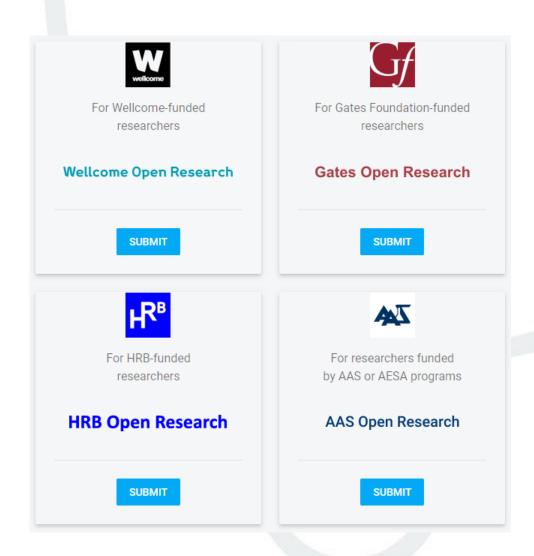
Funder-based publishing platforms

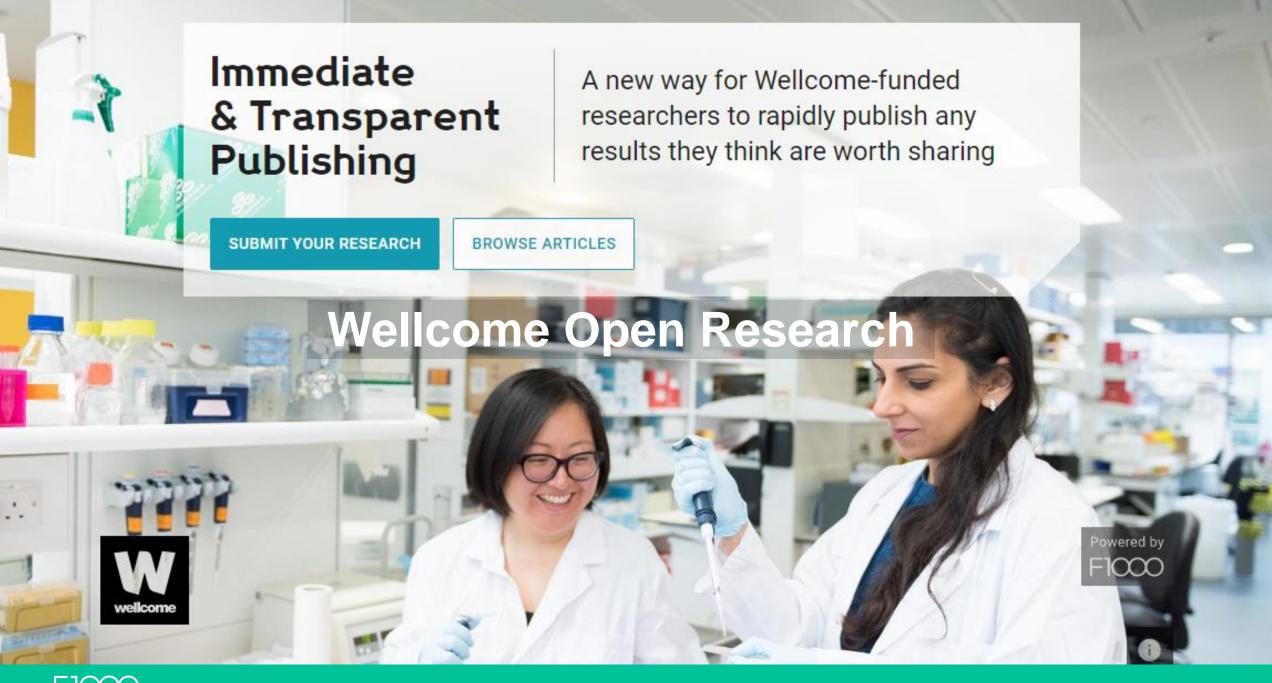
Testing new approaches to improve science & its impact:

- accelerate access & sharing of findings & data
- reduce waste & support reproducibility
- alternative OA model access, transparency, cost

Enable researchers get credit & recognition for a wider range of research outputs

Play a leading role as a funder in researcher evaluation - help shift the needle and inform new policies on researcher assessment, move away from IF

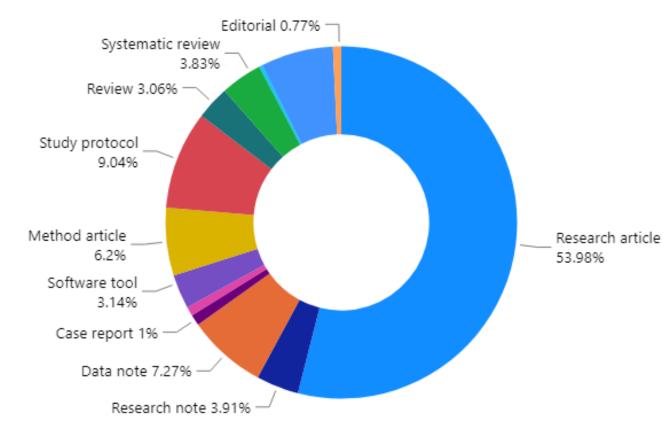




How's Wellcome Open Research performing?

Head to our blog for more information...

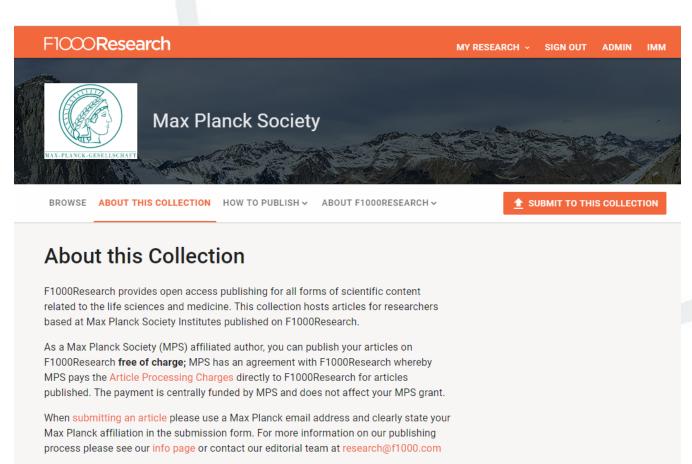
- Over 1000 articles published
- 29 days (median) from submission to publication
- 70 days (median) from publication to indexed
- Over 5,300 authors from across over 1,600 institutions



https://blog.wellcomeopenresearch.org/2021/02/08/wellcome-open-research-a-summary-of-year-4/

The Max Planck Society Collection

- Reduces administrative burden
- Promotes open research
- Experience our publishing model
- Open access publishing that is compliant with funder mandates, including Plan S



https://f1000research.com/collections/maxplancksociety/

Any questions?

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@j_ellina

