

The content of this presentation can be copied,
adapted and reused according to [CC BY 4.0 licence](#)

Preprints in the life sciences

A way to engage ECRs in peer review

[Your Name]

[Title]

[Affiliation]



PREreview

Preprints

are manuscripts shared online before the completion of journal-organized peer review.



The traditional way of sharing science is slow



Preprints are shared rapidly with the community



What are the
main **concerns**
about posting
preprints?

What are the main concerns about posting preprints?

1. Fear of being **scooped**



"It can't happen, since arXiv postings are accepted as date-stamped priority claims."

–Paul Ginsparg,

What are the main concerns about posting preprints?

1. Fear of being scooped
2. It's against journal policy

*Use [SHERPA/RoMEO](#) to find out



eLIFE



JNeurosci
THE JOURNAL OF NEUROSCIENCE



PNAS

Science



nature

JCB
The Journal of
Cell Biology



THE LANCET

G A[®]
Genetics Society of America

**and many more!*

What are the main concerns about posting preprints?

1. Fear of being scooped
2. It's against journal policy
3. Information overload

but... sharing work before peer review is common practice

Preprint use is increasing fast in the life sciences

~2200

Number of preprints
submitted to *bioRxiv*
per month (2018)

1000%

Growth over the
past 4 years

>45

Preprint servers*

*Includes servers across disciplines and countries.
Click [here](#) for the complete list.

Preprint use is increasing fast in the life sciences

~2200

Number of preprints
submitted to *bioRxiv*
per month (2018)

1000%

Growth over the
past 4 years

>45

Preprint servers*

*Includes servers across disciplines and countries.
Click [here](#) for the complete list.

Preprint use is increasing fast in the life sciences

~2200

Number of preprints
submitted to *bioRxiv*
per month (2018)

1000%

Growth over the
past 4 years

>45

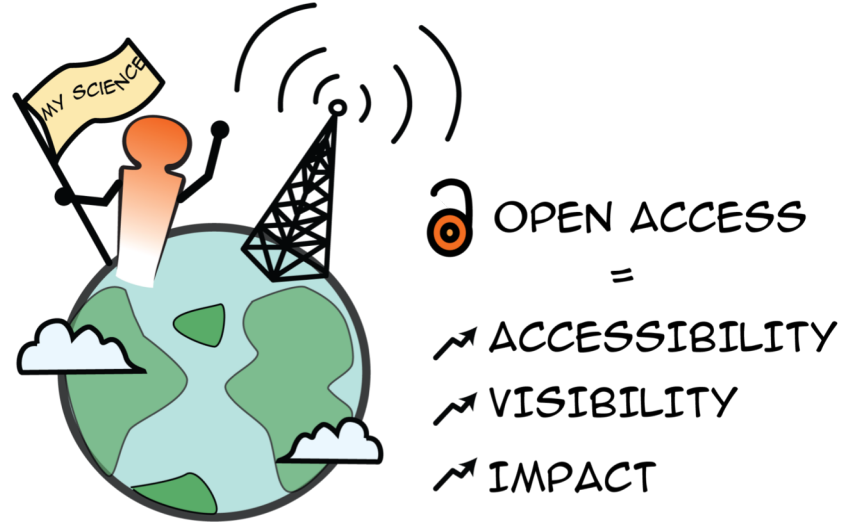
Preprint servers*

*Includes servers across disciplines and countries.
Click [here](#) for the complete list.

What are the
benefits of
posting
preprints?

What are the benefits of posting preprints?

1. They are **Open Access**



What are the benefits of posting preprints?

1. They are Open Access
2. They advance your career



What are the benefits of posting preprints?

1. They are Open Access
2. They advance your career



SIMONS FOUNDATION



BILL & MELINDA
GATES foundation

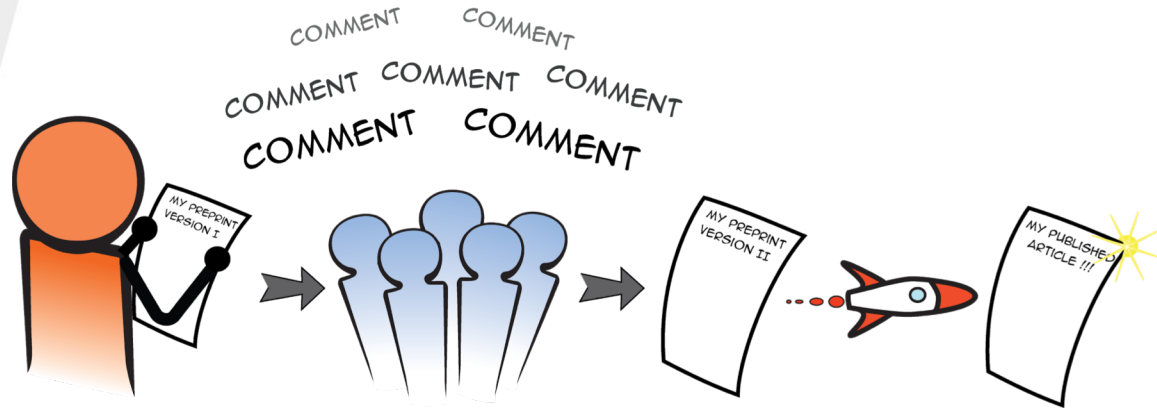
HELMSLEY

*Current list of funders' policies [here](#)

@PREreview_

What are the benefits of posting preprints?

1. They are Open Access
2. They advance your career
3. They allow for community feedback



Feedback to
preprints
remains low

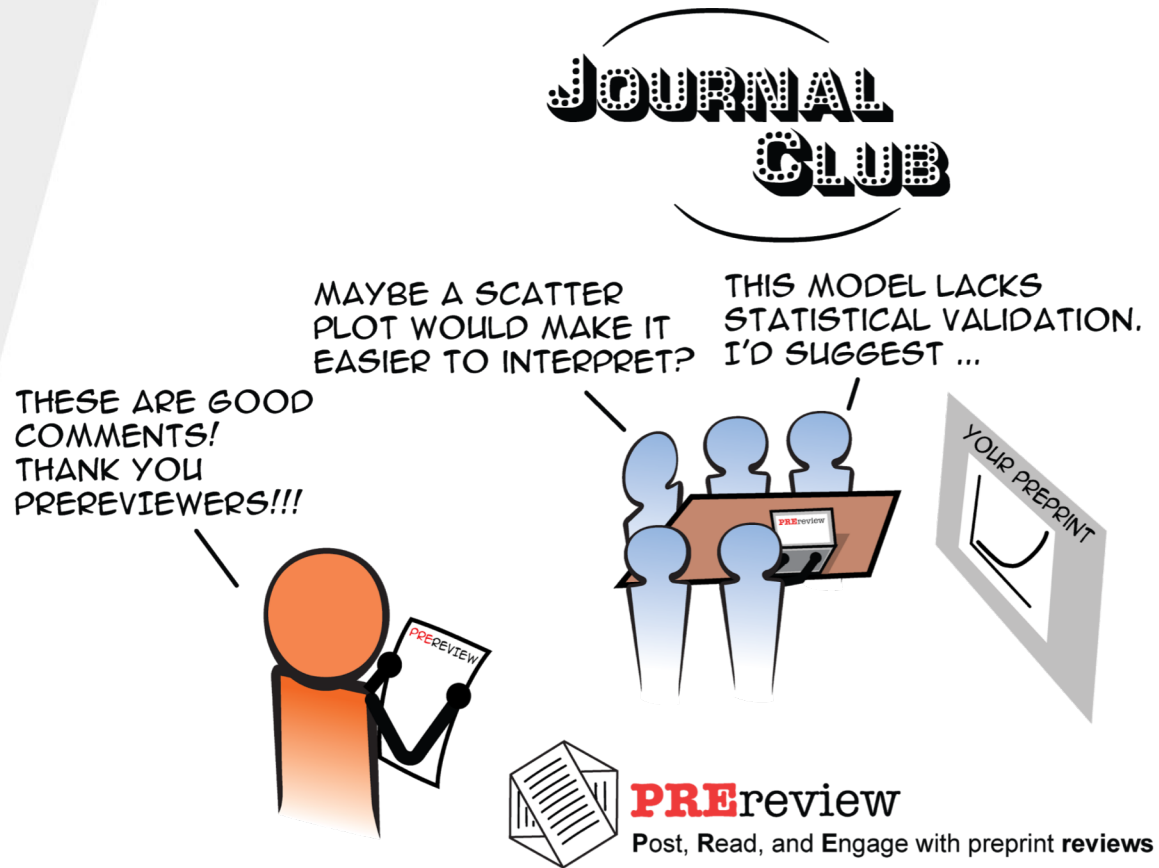
~11%

of preprints on
bioRxiv receive
comments*

**bioRxiv* full 2015 report [here](#)

What are the benefits of posting preprints?

1. They are Open Access
2. They advance your career
3. They allow for community feedback
4. They can be discussed at journal club



Daniela



Sam



Monica



Post, Read and Engage with Preprint Reviews

We are scientists and ASAPbio Ambassadors who want to encourage other scientists to post their scientific outputs as Preprints. We hope to do that by making it easier to start and run a Preprint Journal Club, or integrate preprint review into conventional journal clubs.

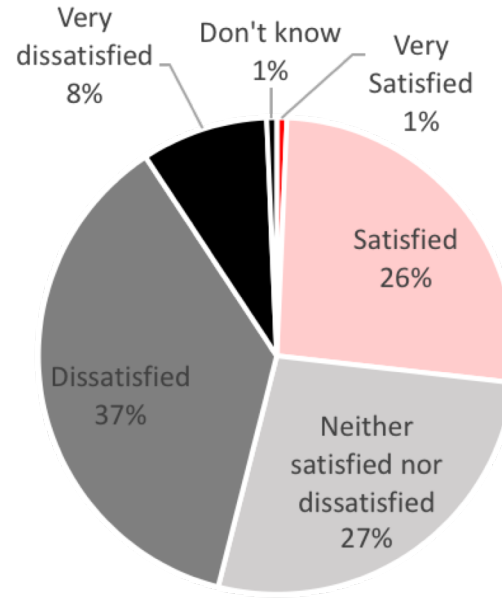


PREreview.org, a community and a platform to:

- Encourage **discussions around preprints** and help with **peer-review training** for ECRs
- Post preprint reviews with a **free DOI** so they are **citable** and easy to share on social media
- Provide **guidelines** on how to start a preprint JC and how to write a **constructive peer review**

Scientists are
generally
dissatisfied with
peer review

Overall, how satisfied are you with the peer review system used by scholarly journals?
*

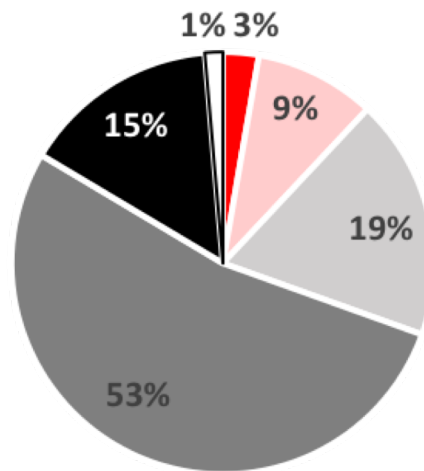


*ASAPbio 2018 survey [here](#)

...and wish
for more
peer review
training

Researchers are adequately
trained in how to perform
effective peer review.*

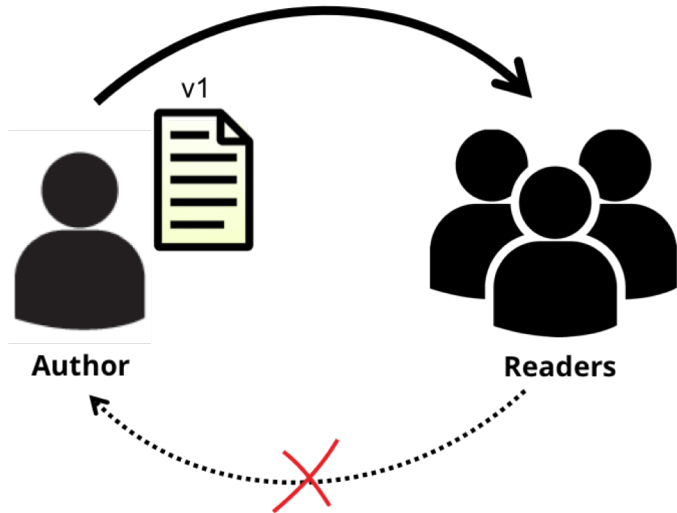
■ Strongly agree ■ Agree
■ Neutral ■ Disagree
■ Strongly disagree □ Don't know



*ASAPbio 2018 survey [here](#)

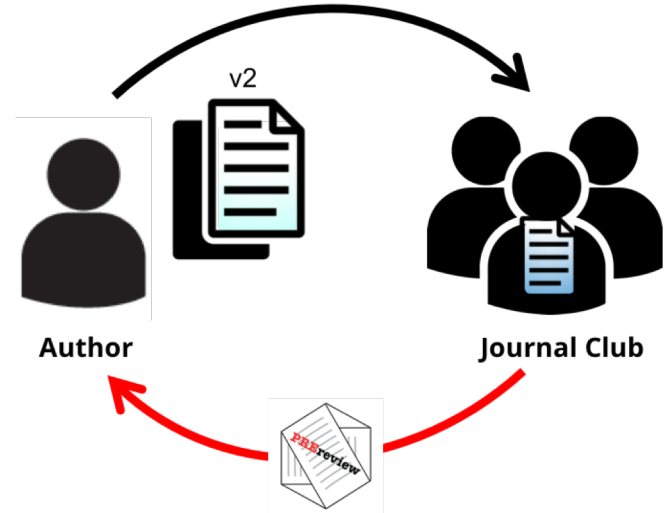
Problem

Preprint feedback is uncommon



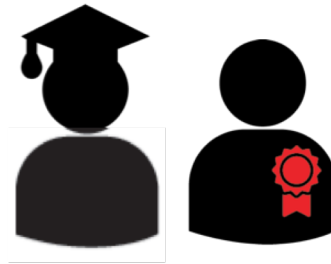
Solution

Collaborative peer review at journal club



Problem

Researchers are
rarely trained in peer
review



1:1 calls

Solution

Interactive peer
review training
program



Community
calls & expert
webinars

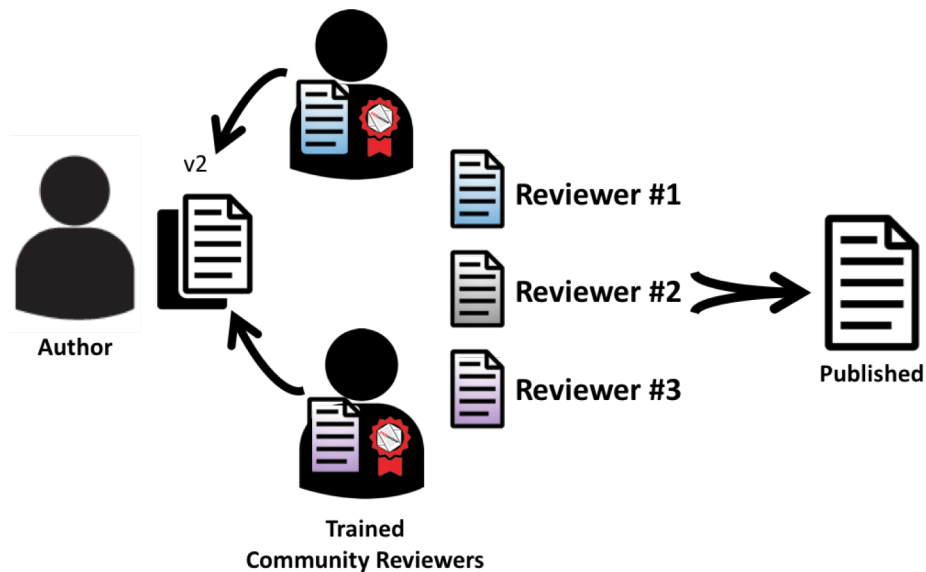
Problem

ECRs are not part of the picture



Solution

Connect ECRs with journal editors



**I post
preprints**
ASAPbio.org

**I cite
preprints**
ASAPbio.org

**I review
preprints**
ASAPbio.org

**I read
preprints**
ASAPbio.org

Thank you!

- [PREreview.org](https://prereview.org) @PREreview_
 - Join our community
- Questions?
 - contact@prereview.org
- [ASAPbio.org](https://asapbio.org) @ASAPbio_
 - Become an ASAPbio Ambassador!