Towards universal Open Access: what we can do about it, and who should do it.



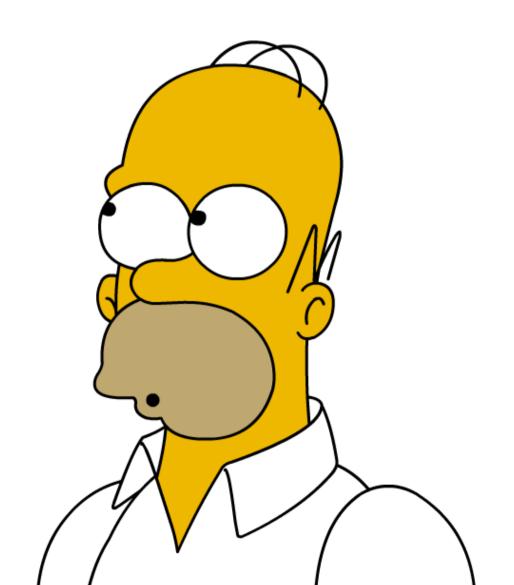
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Part 1:



At this point, if your work isn't OA, you're an idiot.

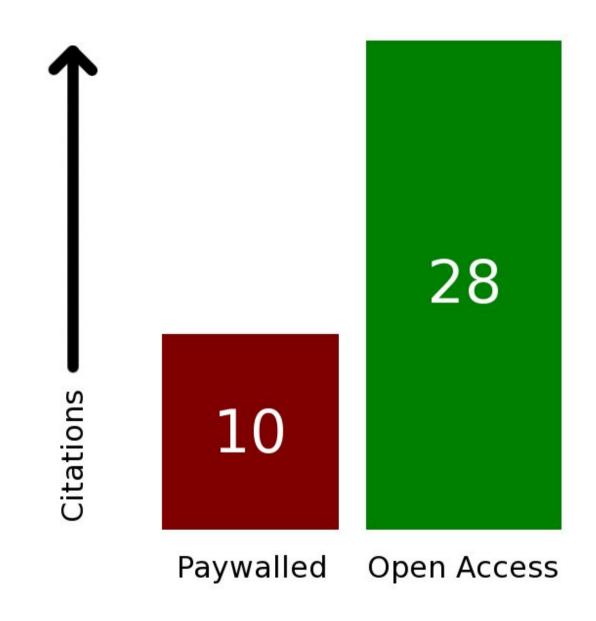


The Open Access citation advantage

Citation-advantage meta-analysis of Swan (2010) 27 of 31 studies of the OACA found an advantage

Size of OA citation advantage when found (and where explicitly stated by	% increase
discipline)	in citations
	with Open
	Access
Physics/astronomy	170 to 580
Mathematics	35 to 91
Biology	-5 to 36
Electrical engineering	51
Computer science	157
Political science	86
Philosophy	45
Medicine	300 to 450
Communications studies (IT)	200
Agricultural sciences	200 to 600

Average advantage: 176% (2.76 x)



---- Two equally valid approaches ----

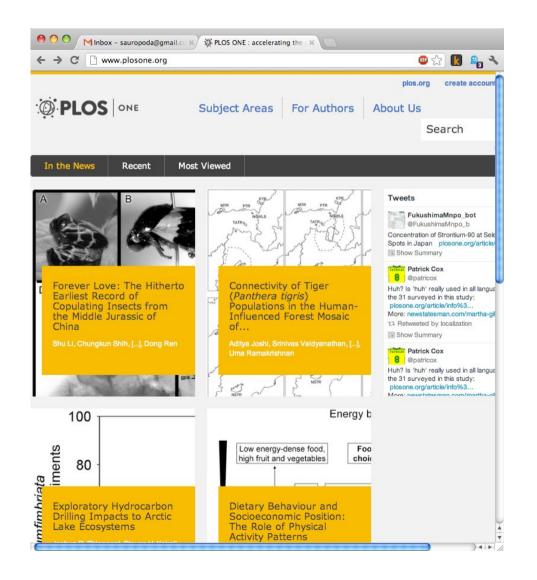
Gold open access
Publish in open-access
journals

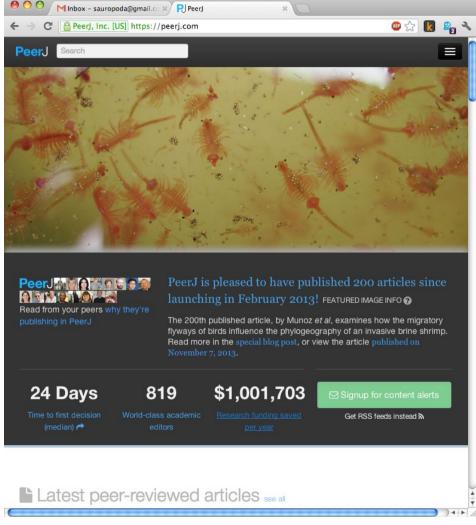
Green open access
Deposit peer-reviewed
postprint in a repository





Gold: publish in open-access journals (see http://doaj.org) PLOS, PeerJ, BMC, Hindawi, many individual journals





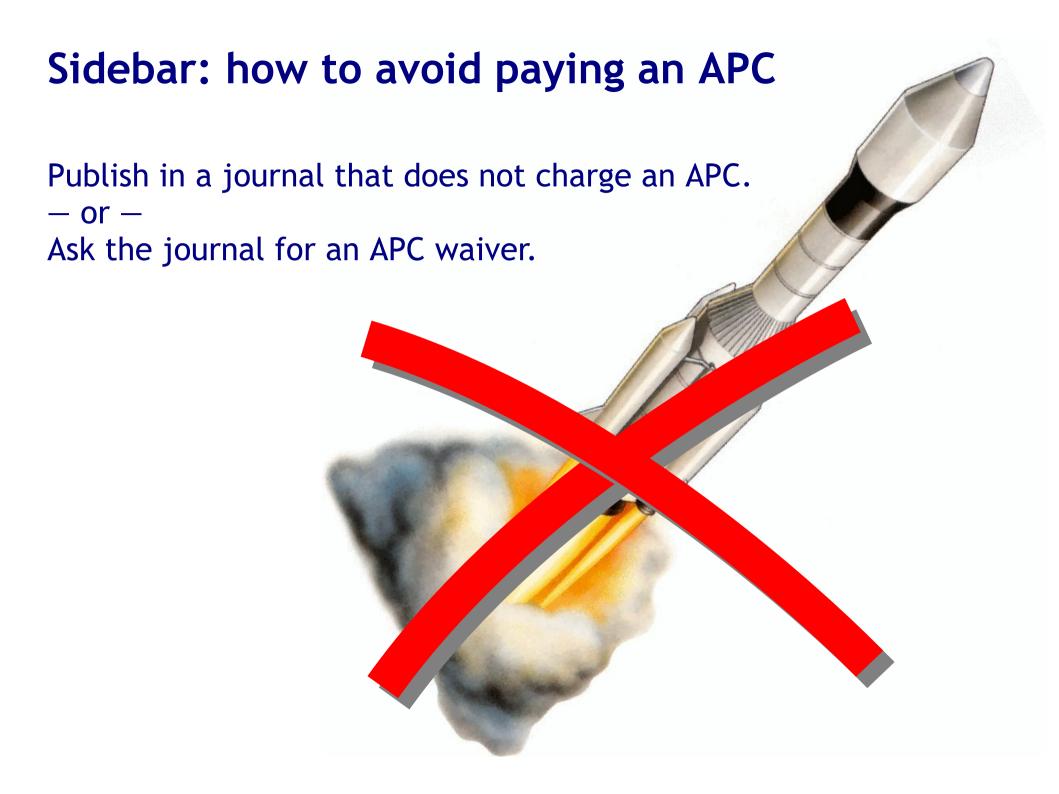
Sidebar: how to avoid paying an APC

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Publish in a journal that does not charge an APC.

- or -

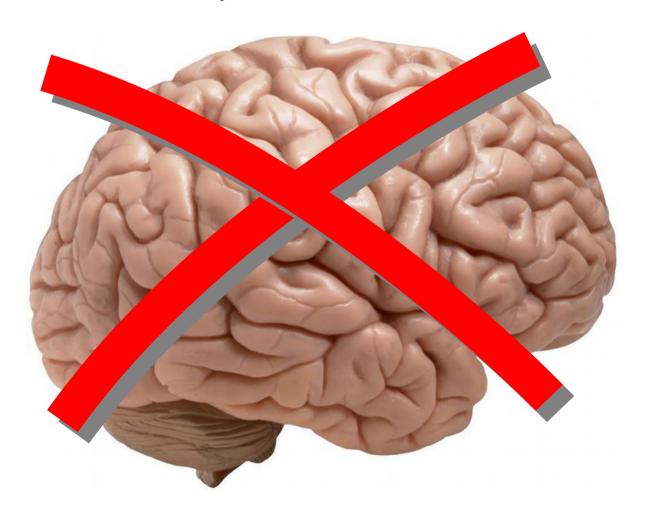
Ask the journal for an APC waiver.



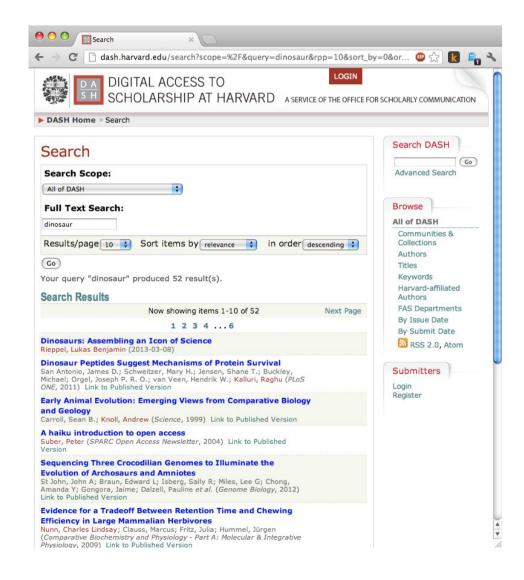
Do not give your work to a predatory OA publisher.

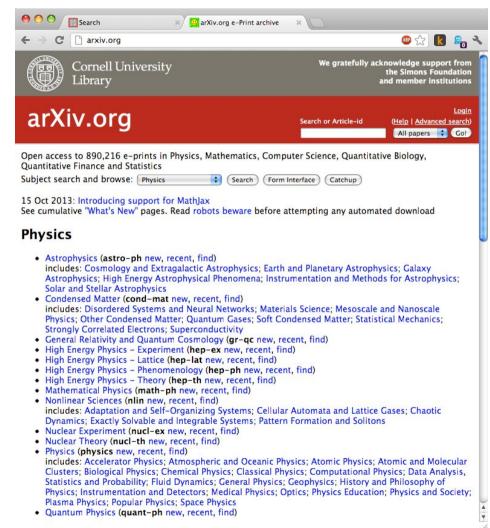
Do not give your work to a predatory OA publisher. Do you read the journal? If not, publish in one that you do read.

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Green: deposit peer-reviewed postprint in a repository Institutional repo, arXiv, PeerJ Preprints, biorXiv





Sidebar: how long an embargo is acceptable?

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Come on. It's obvious. The goal is to get the work out there.

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No embargo is acceptable.

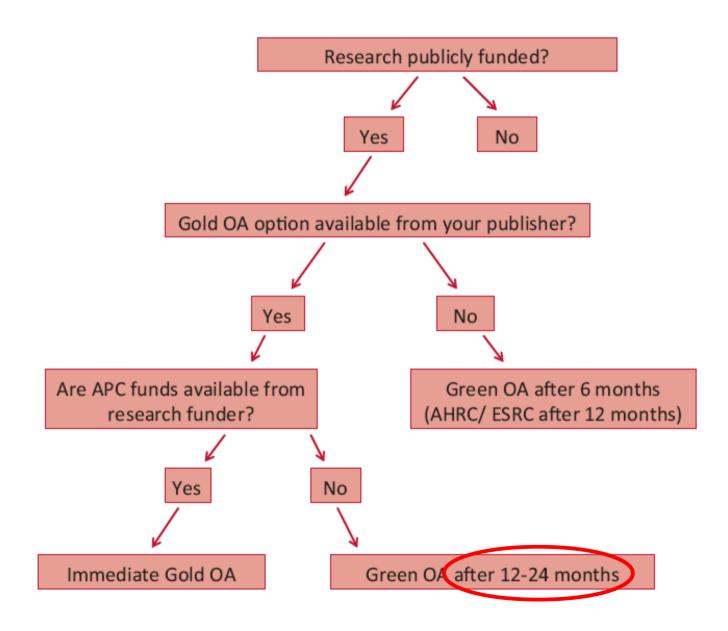
Come on. It's obvious. The goal is to get the work out there.

Is this unfair to publishers?

They are supposed to be serving us!



The Publishers Association "decision tree"

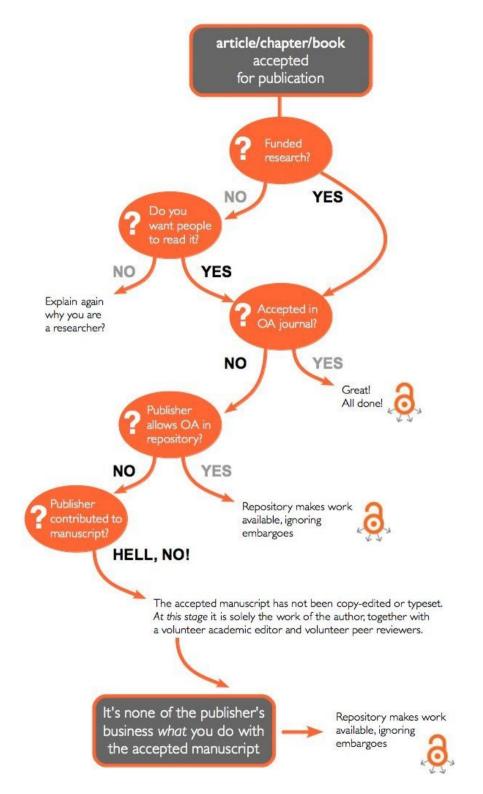


A much better decision tree

The accepted manuscript has not been copy-edited or typeset. as this stage it is solely the work of the author together with a volunteer editor and volunteer peer-reviewers.

Publishers have no moral or legal claim over it. It's yours.

Just deposit it in a repository.



What we can do 2: review for OA journals

Reviewing is professional-grade work.

If paid professionally, it would cost more than £100 per hour.

Let's invest it where it can do some good.

We do not owe paywalled journals our free labour.



What we can do 3: edit for OA journals

Academic editing is professional-grade work.

If paid professionally, it would cost more than £100 per hour.

Let's invest it where it can do some good.

We do not owe paywalled journals our free labour.





In your department



In your department





In your department



In your scholarly society





In your department





In your scholarly society



Among your co-authors

What we can do 5: deprecate journal rank

Journal rank is either:

- Based on impact factor ("statistically illiterate", Stephen Curry)
- Subjective based on history

Both are biased against new journals

⇒ biased in favour of traditional journals

We must judge papers on their own merits, not their venue.

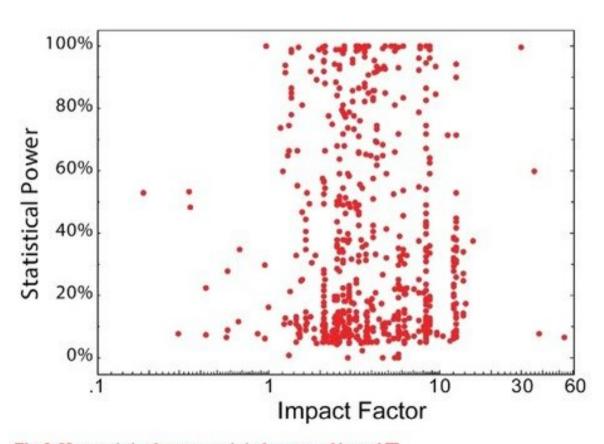
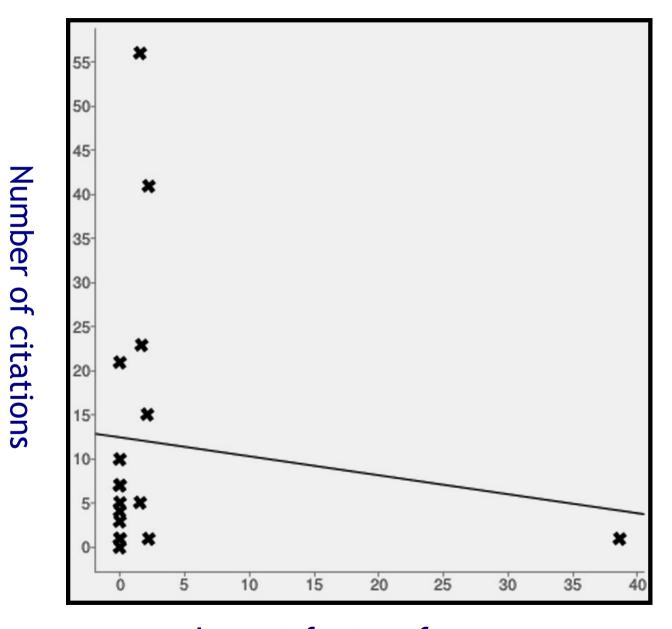
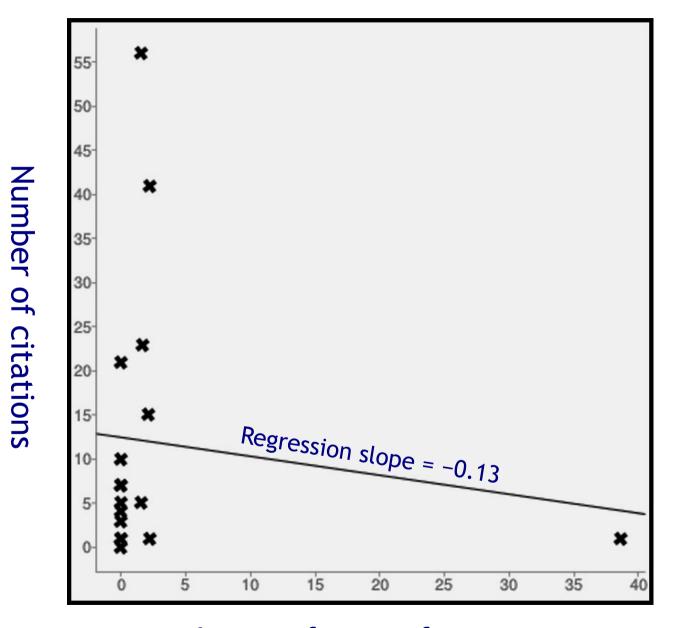


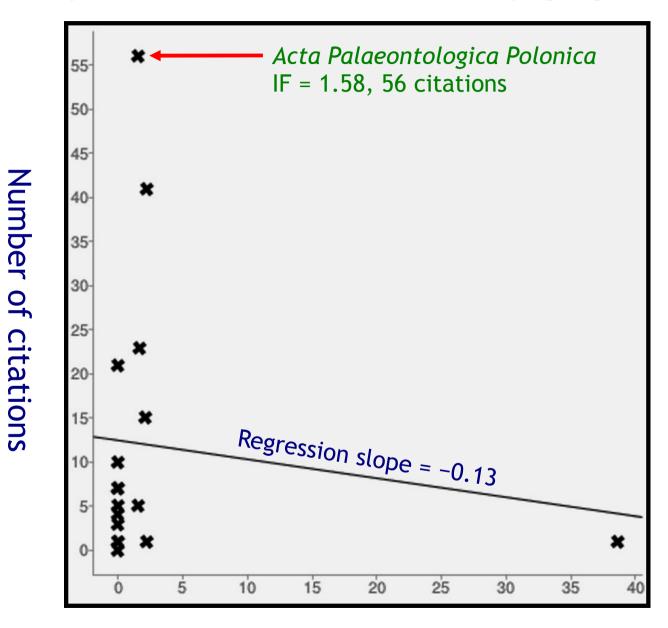
Fig. 2: No association between statistical power and journal IF.



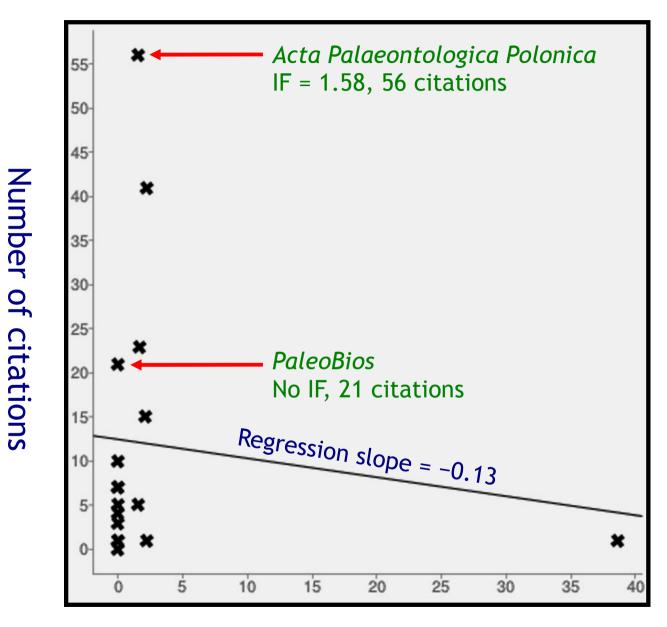
Impact factor of venue



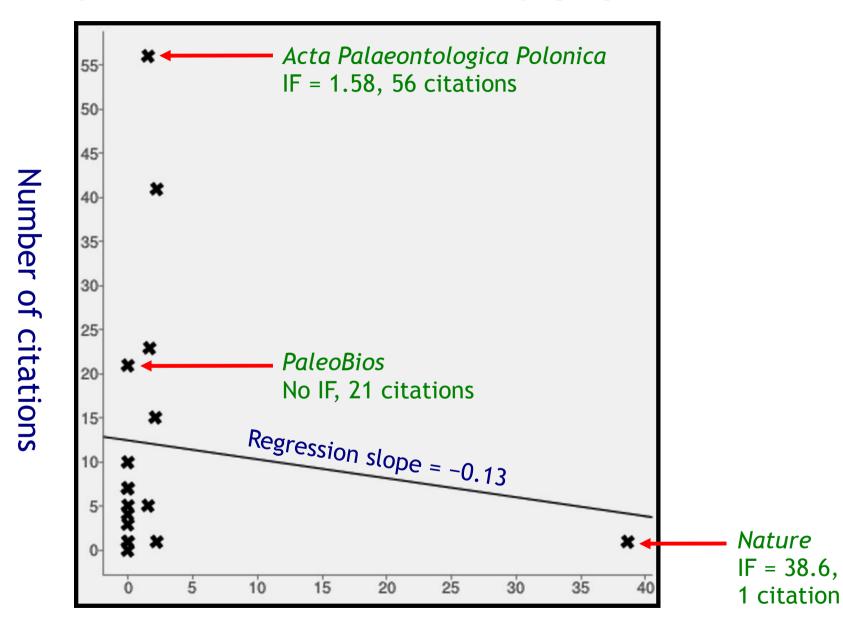
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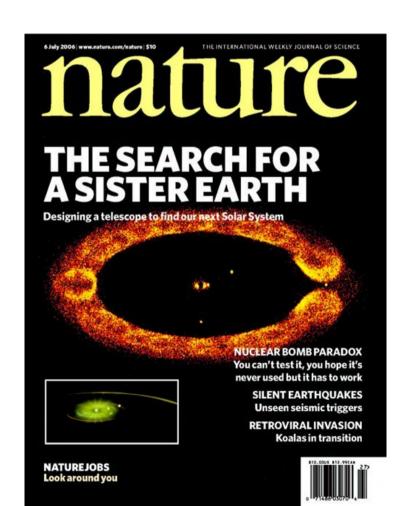


Impact factor of venue

What we can do 5: deprecate journal rank

Recruiting/grants based on author's papers' journal rank Are statistically illiterate

Like judging people on the label of their clothes.





What we can do 6: talk about Open Access

"Talk about" can mean ...

- blogging
- tweeting
- in a pub
- in the department kitchen

Must he *constantly* go on about open access?



Summary: Six things we can do about OA

- 1. Publish our work open access
- 2. Review for OA journals
- 3. Edit for OA journals
- 4. Advocate OA policies
- 5. Deprecate journal rank
- 6. Talk about Open Access

Part 2: who should take responsibility for OA



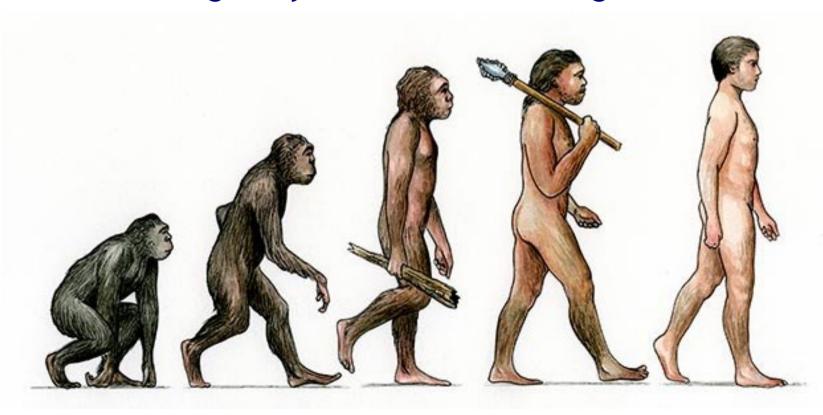
Every career-stage has excuses

Students: just getting started

Postdocs: have to establish a reputation

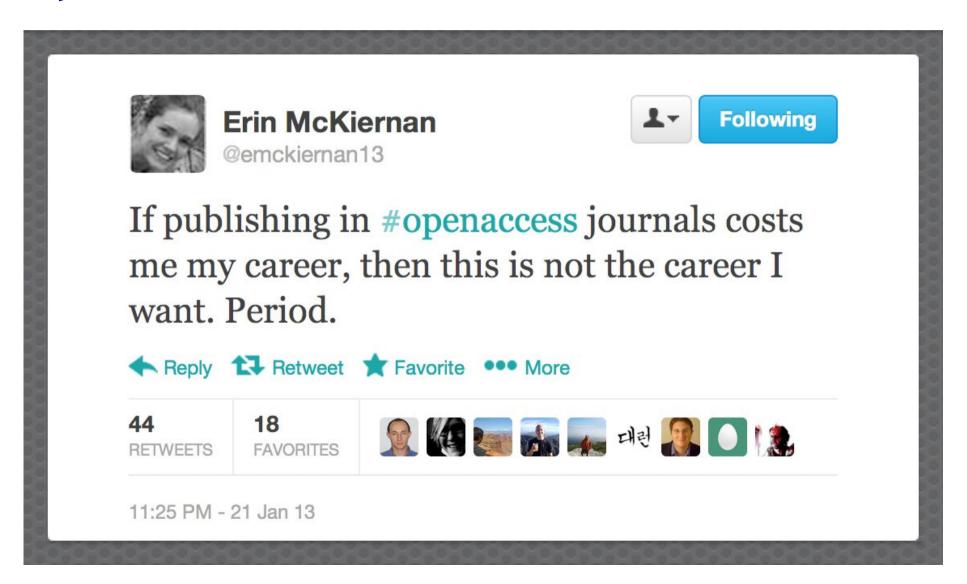
Tenure-track: can't do anything to damage my tenure case

Senior: won't change a system that has been good to them



Someone has to break the cycle

Early-career neuroscientist Erin McKiernan:



Someone has to break the cycle

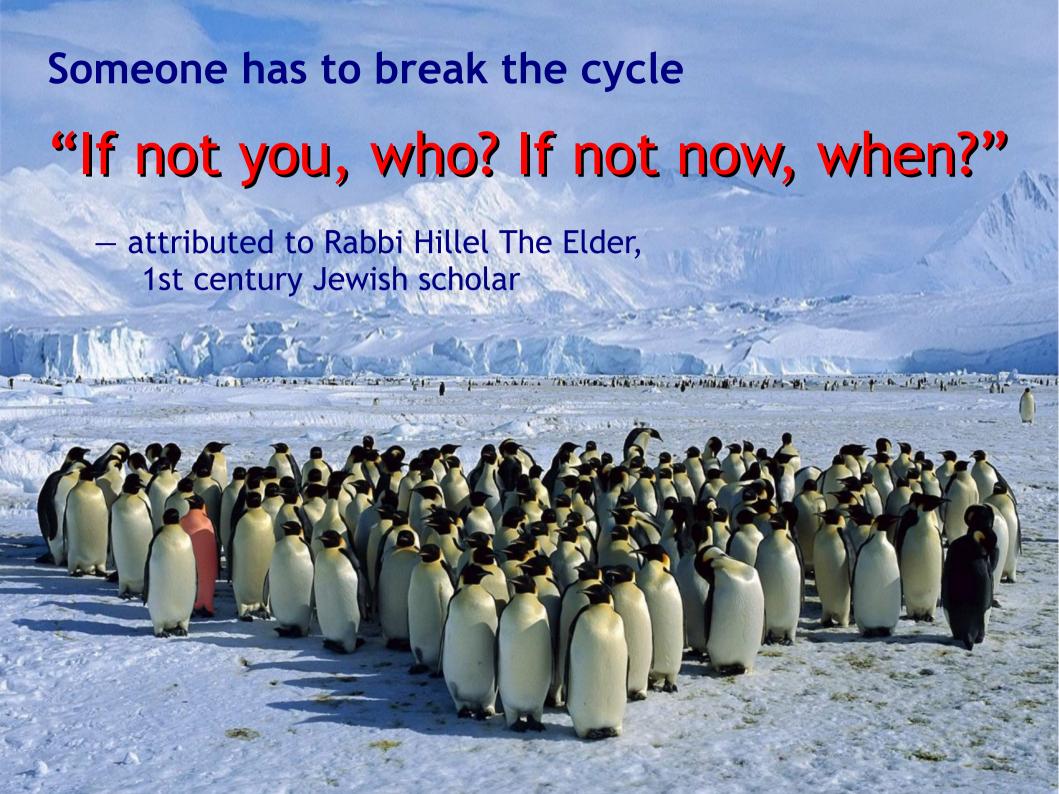
Digital-humanities Ph.D student Scott Weingart:



Scott Weingart ▶ Robstacle

18 January 2013 2:03pm

@Robstacle - Enough idealistic students like us, and maybe something will actually change, rather than just having us all live in a self-perpetuating system which we all know is flawed but are too worried about our careers to do anything about.



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