Registered Reports in Primate Neurophysiology

Open Life Science

Presenter: Danny Garside

github.com/da5nsy/
          Registered-Reports-in-Primate-Neurophysiology

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Slides: [at the above repo]
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Registered Reports (RRs) are...

a publishing format used by over 250 journals

that emphasizes the importance of the research question and the quality of methodology

by conducting peer review prior to data collection.

Image source: cos.io/rr

Why are RRs cool?

1. They guard against various questionable research practices:
   a. Low statistical power
   b. Selective reporting of results
   c. Publication bias

2. They allow you to get feedback at a stage where it is actually useful

Primate Neurophysiology because:

1. In addition to standard costs of research (money, time, energy), animal research has an additional 'moral cost'.
   a. Therefore, there is extra incentive not to do it twice, which happens:
      i. when research is unreported due to publication bias
      ii. when research is file-drawered because it has issues which could have been avoided if raised before data collection, but not afterwards
2. Primate neurophysiology is my field, and so I have the greatest ability to impart change here
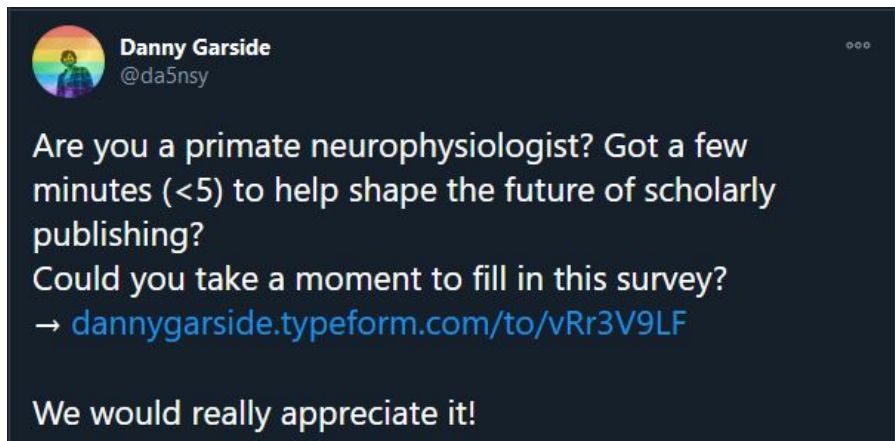3. Start small, with the potential to scale later (all animal research?)

A Survey

1. Have you heard of RRs before?

2. RRs are... Further info at...

3. Have you used the RR format before?

4. Would you consider using a RR format in the future?

5. Do you envisage any barriers to you being able to use RRs?

Call to Action

Are you a primate neurophysiologist? Got a few minutes (<5) to help shape the future of scholarly publishing?
Could you take a moment to fill in this survey?
→ dannygarside.typeform.com/to/vRr3V9LF

We would really appreciate it!

Retweets please?

I want to reach as many primate neurophysiologists as possible!

Acknowledgements

OLS team

My mentor - *Ivo Jimenez*

My team at NIH - *Conway Color Lab*

The open science community

More info

Project home: github.com/da5nsy/

Registered-Reports-in-Primate-Neurophysiology

RR info: cos.io/RR

Tweet: https://twitter.com/da5nsy/

status/1339206545381396483