#### F1000Research

Tackling some of the trials and tribulations of a researcher



## Imagine ...

- You've been working hard in the lab.
- You now have some exciting results.
- You want to share them with others.
- You want to make sure you get there first.



#### You submit.

• Silence...

 After several months, you finally get a response.

The referees said 'No!'



### OK, next journal.

- Now you spend another couple of weeks:
  - > Deciphering the new author instructions.
  - > Reformatting the article,
  - > ...the references,
  - ...the fonts and spacing,
  - ...the cover letter.



### You finally send it in.

- Some more months go by...
   The journal will accept it! But...
- ...you need to do these extra expts
- ...and re-write this whole section

You read the referee reports – you're fairly sure you know who the referees were.



#### You resolve to do the work.

- It takes months to make the changes.
- You re-submit.
- Again, more months pass by...
- ...you chase,
- · ...and chase.

And guess what?



### It's now been over a year.

 You're reading one day and you suddenly see ...

Your main competitor just published the very same findings in another journal!



### This happens a lot.

- Most researchers can tell you this same story.
- Slow, secretive publishing makes no sense.
- It's bad for science.
- It damages careers.

It's time for a change.



#### F1000Research

- Immediate publication (within one week).
- Completely transparent peer review, post publication (averaging two referee responses within 10 days).



#### F1000Research:

- Covers biology and medicine.
- Uses Gold OA.
- Uses CC-BY (text) and CC0 (data).
- Has extensive and prestigious Advisory Panel and Editorial Board.
- Formal launch is January 2013.



### Refereeing Process

#### Referee Responses 3

- Rob Basner
  Ref Report 15 November 2012 (v1)
- Sairam Parthasarathy
  Approved with Reservations:
  12 November 2012 (v1)
  Ref Report 13 November 2012 (v1)
- Diederik Nieuwenhuijs
  Approved: 11 November 2012 (v1)
  Ref Report 12 November 2012 (v1)

- All open and signed.
- Focus is on whether the work is scientifically sound.



## Citation and Indexing

**Pellucid-like keratoconus** [v1; ref status: awaiting peer review, http://f1000r.es/TLhefH]

Correlating data from different sensors to increase the positive predictive value of alarms: an empiric assessment [v1; ref status: approved 1, http://f1000r.es/RKkXdB]

Respiratory events in patients undergoing laparoscopic gastric bypass surgery [v1; ref status: Indexed, http://f1000r.es /YYXoAZ]

Articles indexed once they receive two positive reviews.



### Now imagine...

- You're reading your competitor's article.
- Some of the results are surprising.
- · You are not sure you believe them.
- You suspect the analysis has been done incorrectly.



#### So...

- You check for supplementary files.
- You try to work out what's what.
- You find some relevant files but they don't make any sense; you have lots of questions.
- Some of the key files simply aren't there.
- You contact the author.

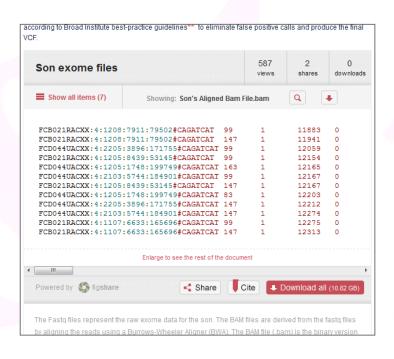


#### SILENCE!

In this digital age, why should readers have to simply assume that the authors created the data and conducted the analysis correctly?



#### F1000Research



- Full, mandatory data deposition and sharing.
- To date, over 100 articles; 100% success rate for getting the data.



### Your postdoc comes in.

- She's been trying a particular experiment for months now.
- It simply doesn't work.
- She's tried everything you both can think of.



### She's just been to a conference.

- She presented her work as a poster.
- And explained the results to attendees...
- ...and someone told her he'd done the same thing and it didn't work for him either.

Now, why couldn't we have known that before?



#### F1000Research

# Accepts <u>all</u> scientifically sound articles, including:

- Negative/null results
- Single findings
- Case reports
- Replication studies



### Summary

#### F1000Research tackles four big issues:

- Speed of publication.
- · Peer review.
- Data sharing.
- Sharing of all scientifically sound science.



# Time's Up!

#### About the speaker:

Name: Rebecca Lawrence

Company: Faculty of 1000 Ltd

**Tel**: +44 (0)7631 9154

Email: rebecca.lawrence@f1000.com

Social Media: @f1000research

