

Picturing Peer Review

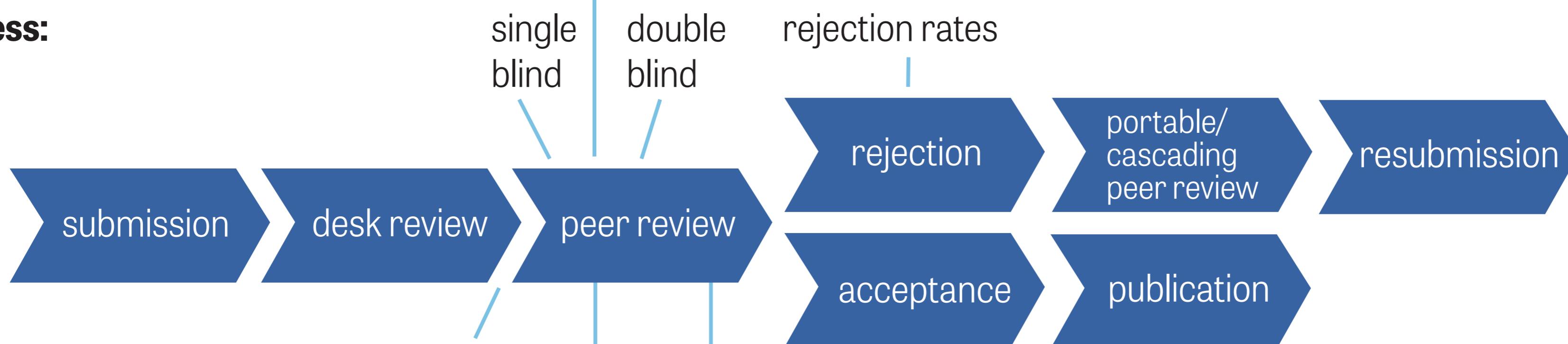
general aspects:

- expectations:
 - ▶ fraud detection
 - ▶ examine methodology and reproducibility
 - ▶ determine novelty and importance
 - ▶ rate readability
 - ▶ provide feedback
 - ▶ assessment of ethical issues

- reward for peer reviewers:
 - ▶ discount APCs
 - ▶ access to publisher's journals
 - ▶ payment
 - ▶ journal acknowledgement
 - ▶ visibility/credit/"citetability", e.g.
 - Publons (<http://publons.com/>)
 - PeerJ (<https://peerj.com/>)
 - Peerage of Science (www.peerageofscience.org/)

- reviewing peer review, e.g.
 - ▶ Journalism (www.journalism.org/)
 - ▶ Journal Reviewer (www.journalreviewer.org/)
 - ▶ SciRev (<https://scirev.sc/>)

process:



fast track peer review
Rubriq
(www.rubriq.com/)

- issues:
 - ▶ peer review bias, e.g. gender bias
 - ▶ country bias
 - ▶ duration
 - ▶ reviewer fatigue
 - ▶ author frustration
 - ▶ quality of peer review
 - ▶ gatekeeping

solution?

up for discussion:

pre-publication peer review

open peer review
crowd sourced peer review

post-publication peer review

- journals/online services, e.g.
 - ▶ PeerJ Preprints (<https://peerj.com/preprints/>)
 - ▶ Peerage of Science (www.peerageofscience.org/)
 - ▶ ScienceOpen (www.scienceopen.com/)

- issues:
 - ▶ transparency
 - ▶ acceleration of peer review process
 - ▶ improvement of quality
 - ▶ open peer review = "fear review"
 - ▶ comment vs. review
 - ▶ anonymous vs. signed
 - ▶ registration yes/no
 - ▶ sock-puppets

- journals/online services, e.g.
 - ▶ PeerJ (<https://peerj.com/>)
 - ▶ Pubmed Commons (www.ncbi.nlm.nih.gov/pubmedcommons/)
 - ▶ F1000Research (<http://f1000research.com/>)
 - ▶ PLOS ONE (www.plosone.org/)
 - ▶ PubPeer (<https://pubpeer.com/>)
 - ▶ ScienceOpen (www.scienceopen.com/)
 - ▶ The Winnower (<https://thewinnower.com/>)

- initiatives, e.g.
 - ▶ Open Science Peer Review Oath (<http://f1000research.com/articles/3-271/v2>)
 - ▶ Peer Reviewers' Openness Initiative (<http://opennessinitiative.org/>)

References:

- Andy Tattersall (2015): For what it's worth – the open peer review landscape. *Online Information Review*, 39(5), 649–663.
- Kent Anderson (2014): Your Question of the Day – What is „Peer Review“? The Scholarly Kitchen, 24th July 2014: <http://scholarlykitchen.sspnet.org/2014/07/24/your-question-for-the-day-what-is-peer-review/>.
- Phil Davis (2010): Cascading Peer Review – The Future of Open Access? The Scholarly Kitchen, 12th October 2010: <http://scholarlykitchen.sspnet.org/2010/10/12/cascading-peer-review-future-of-open-access/>.
- Steven W. Sowards (2015): What is Peer Review, and Does it Have a Future? *BIBLIOTHEK – Forschung und Praxis* 39(2), 200–205.
- Rolf Zwaan (2013): Pre-publication posting and post-publication review will facilitate the correction of errors and will ultimately strengthen published submissions. LSE Impact Blog, 19th April 2013: <http://blogs.lse.ac.uk/impactofsocialsciences/2013/04/19/pre-publication-posting-and-post-publication-review/>.