

Checklist questions (N.B. Not all questions will be relevant to all papers. These are guidelines to help you with your review)

- Have the authors adequately discussed ethical concerns?
- Have the authors stated what were the inclusion and exclusion criteria for their experiments?
- Have the authors stated what was the attrition in their data, i.e. how many data points were not used or reported and why?
- If appropriate, have the authors stated sex as a biological variable?
- If appropriate, have the authors stated the subject demographics?
- Have the authors randomized their data collection and if so how?
- If appropriate, was there blinding?
- Have the authors reported what was their power analysis?
- Have the authors stated if there was replication (how many?)?
- If appropriate, have the authors identified their cell line authentication?
- If appropriate, have the authors provided code identifiers and where code is available?
- Have the authors stated where data is available?
- Have the authors registered a protocol and provided information on its availability? If not, is the protocol clearly stated in the paper?
- Have the authors provided the necessary information on reagents, antibodies, oligonucleotides, cell lines, experimental models/organisms, software and algorithms, if appropriate?
- Have the necessary statistical analysis been performed?
- Have prior studies/data/references been appropriately used and acknowledged? N.B. You can request a plagiarism check if you have concerns.
- Have all funders/supporters been acknowledged?