# 23, 4, 2019

Subject: Regular article submission to *Psychological Review*

Dear Dr. Holyoak:

I am pleased to submit the regular article, *“*An Interference Model for Visual Working Memory: Applications to the Change Detection Task*”* for consideration for publication in Psychological Review.

The submitted manuscript extends the Interference Model of visual working memory (Oberauer & Lin, 2017, Psychological Review) – which so far was applied only to the continuous reproduction task -- to the change-detection task. This extension makes the Interference Model applicable to the two most widely used experimental paradigms for studying visual working memory.

When applied to two new change-detection experiments, the Interference Model out-performed the Slot-Averaging model and the Variable-Precison model in both quantitative and qualitative fit, due to participants’ tendency of errounously fail to detect the change of a probe from a non-target item compared to a new probe.

This research was funded by grants from the Swiss National Science Foundation (project n° 100014\_135002 and 100014\_179002) to Klaus Oberauer. The research protocol is in accordance with APA standards for ethical treatment of human participants. This manuscript describes original, unpublished work which is not under consideration for publication elsewhere. We have no conflict of interests in publishing this research.

Thank you for your time

Kind regards,

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