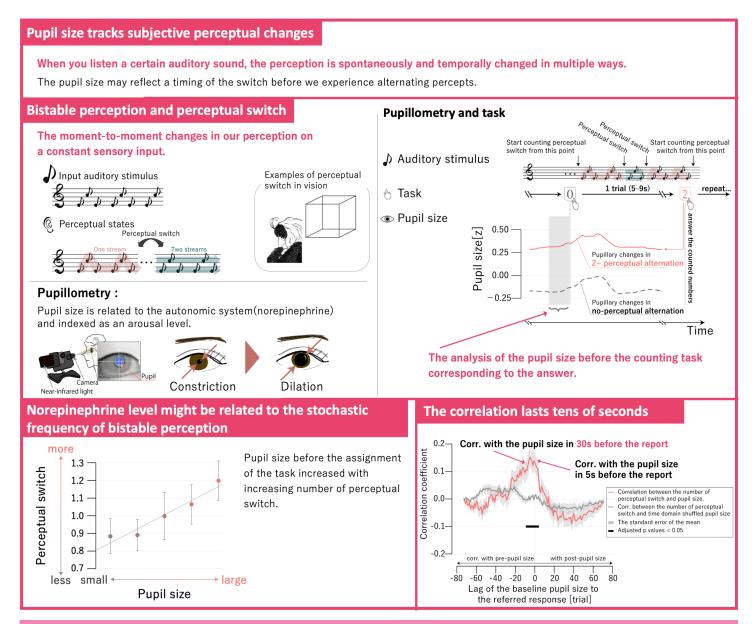
## Eyes as a window of our mind

## Abstract

Pupil size is indexed to changes in neural activities, which have been shown to reflect a broad range of cognitive processes. We investigated the temporal aspects of pupil size on perceptual bistability. Pupil size increased with an increasing number of perceptual alternations. Furthermore, pupil size was related to the frequency of perceptual alternation at least 35 s before the behavioral report of perceptual alternations. The overall results suggest that variability of pupil size reflects the stochastic dynamics of arousal fluctuation in the brain related to bistable perception. In future work, we plan to use pupil size to predict the representation of brain network shift across modality and task.



## References

[1] Y. Suzuki, H. Liao, S. Furukawa, "Temporal dynamics of auditory bistable perception correlated with fluctuation of baseline pupil size," *Psychophysiology*, 2022. doi:10.1111/psyp.14028

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