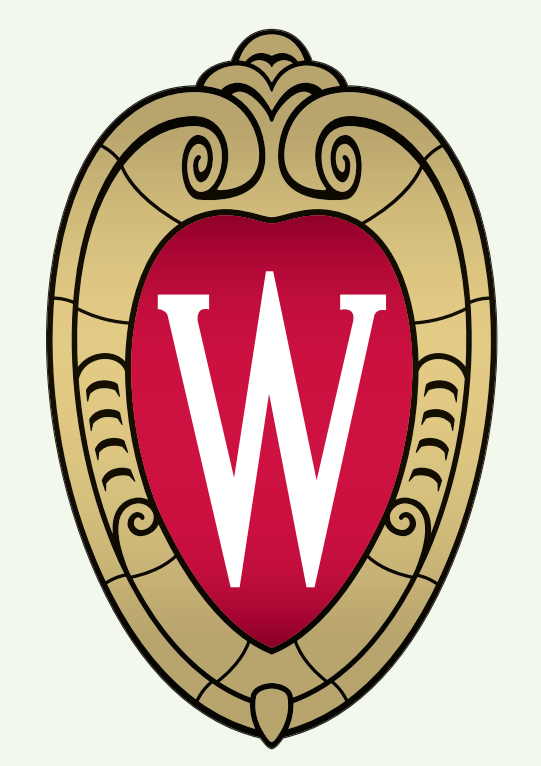


The Speed of Posterior Alpha-Band Oscillations Predicts the Temporal Resolution of Visual Perception

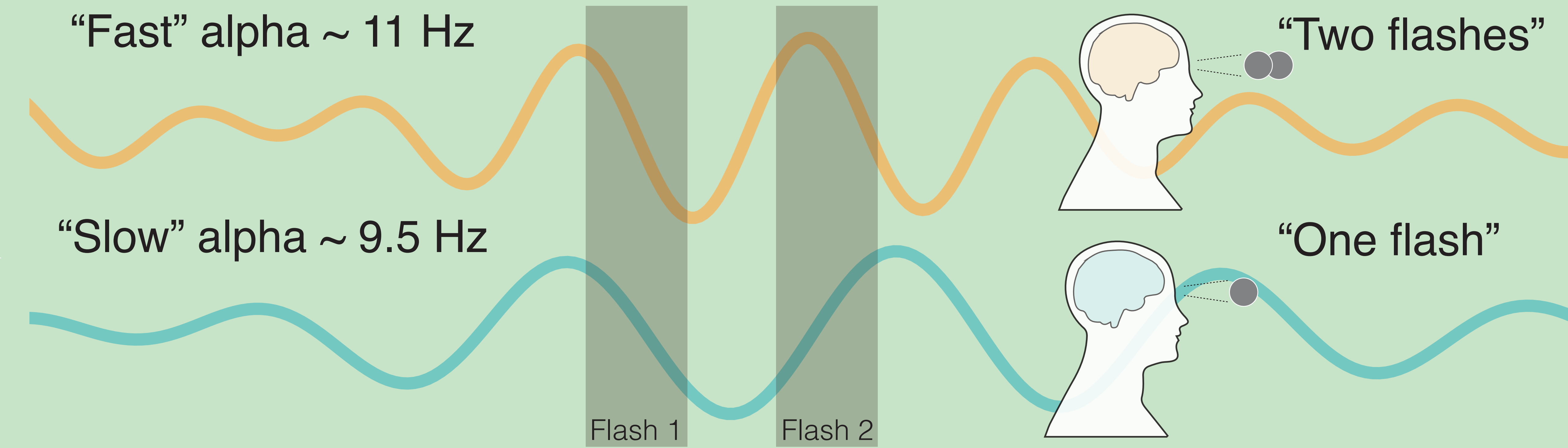
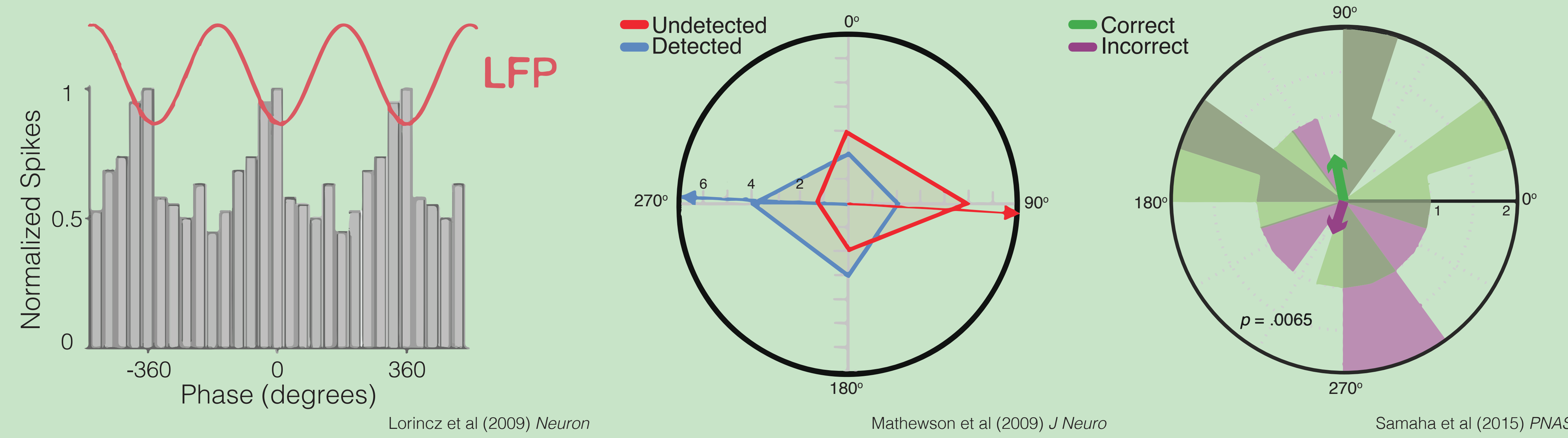


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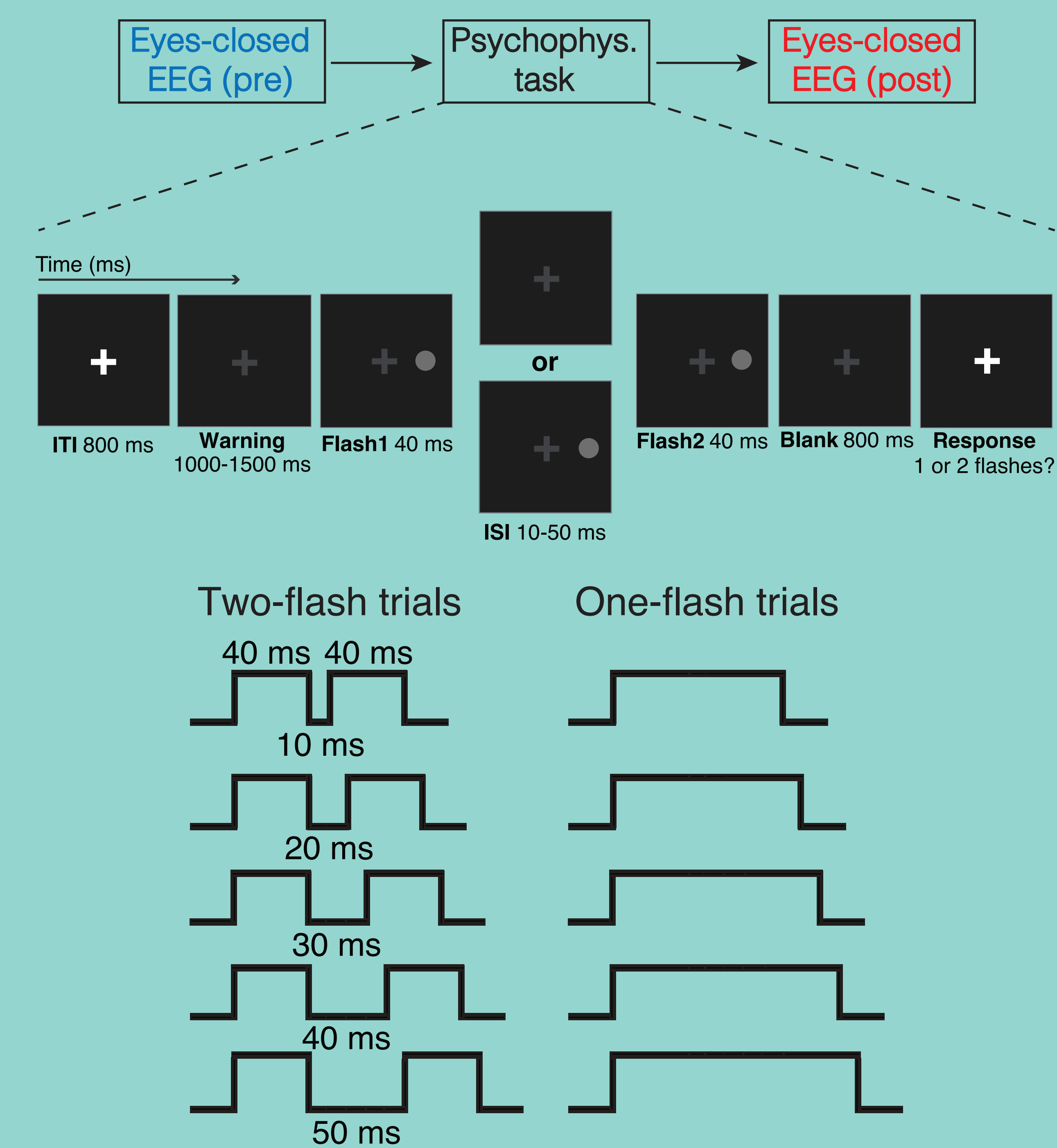
Introduction

Alpha oscillations provide temporal windows of visual processing

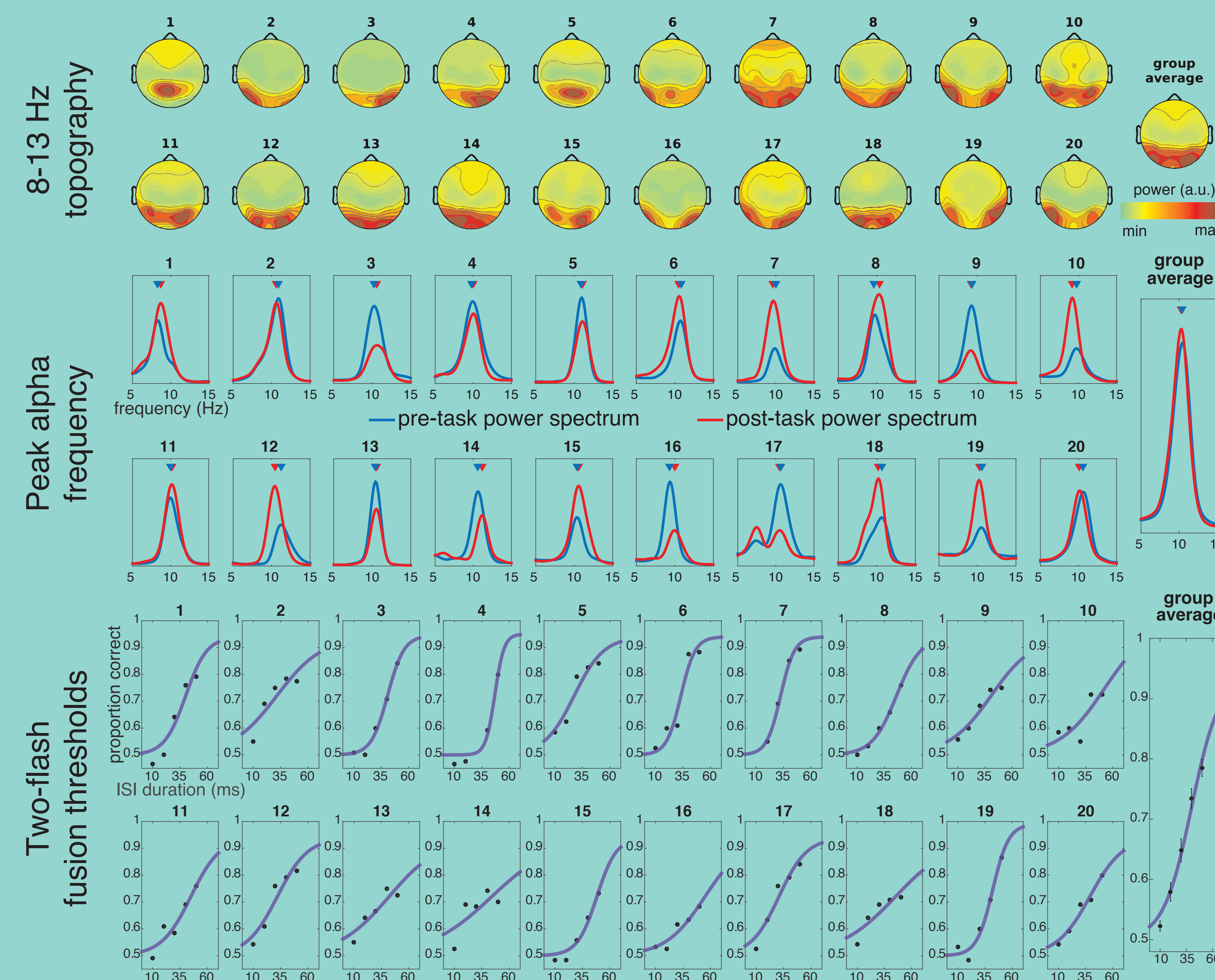


Methods & Results

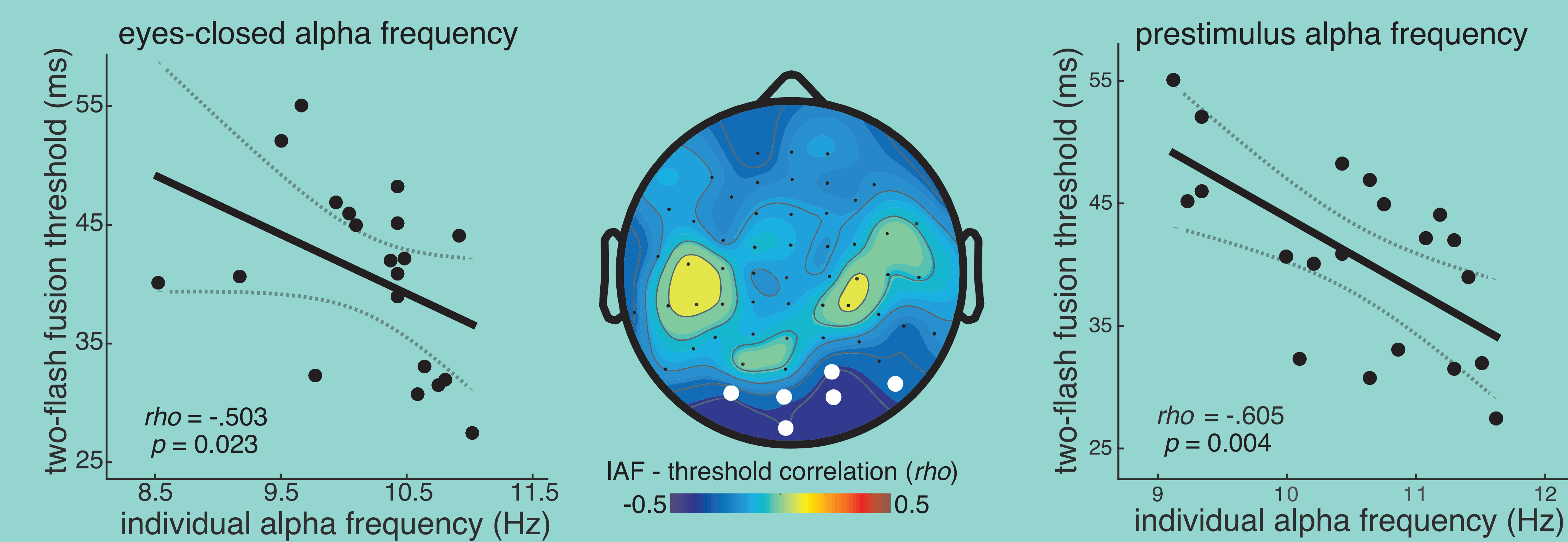
Procedure



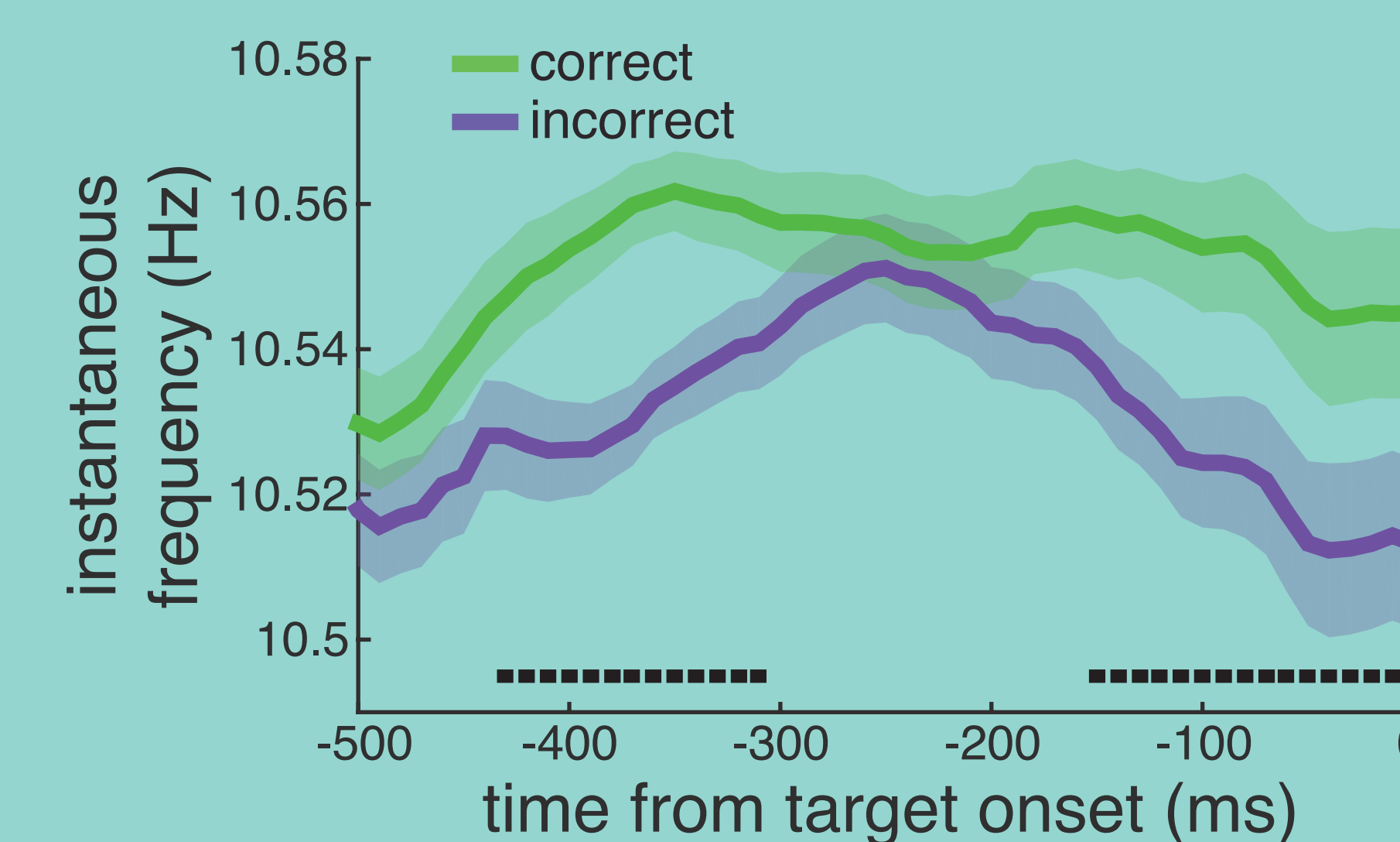
Individual subject data



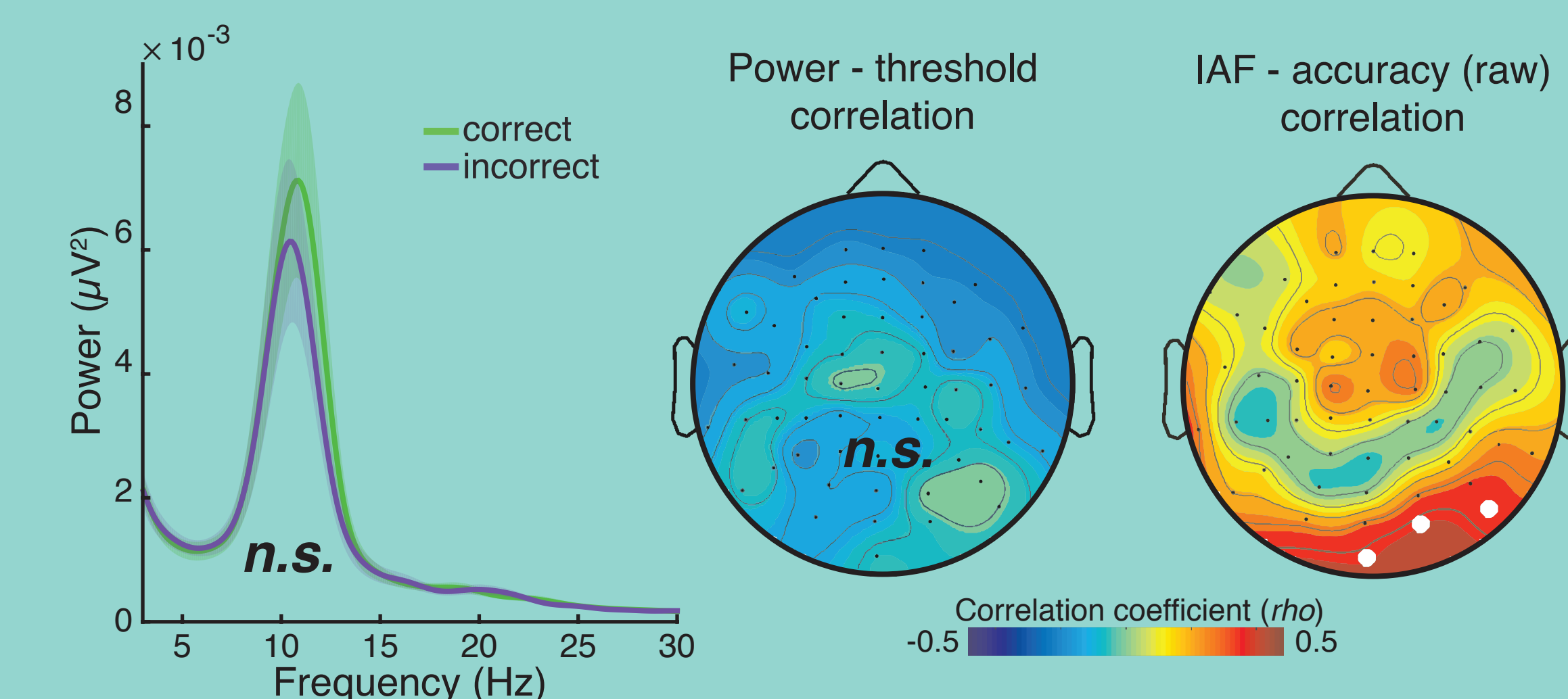
Between-subjects effects



Within-subjects effects



Control analysis



Summary

Between-subjects, trait-like differences in alpha frequency predicts the temporal resolution of visual perception. Spontaneous fluctuations in alpha frequency predict trial-to-trial variance in perceptual accuracy.

Posterior alpha-band oscillations may reflect discrete computations in the visual system, the rate of which dictate the temporal resolution of visual perception