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Attentive tracking of multiple objects modulates neuronal responses in area V4 of macaque. Jude F. Mitchell, Kristy A. Sundberg & John H. Reynolds

What is the time course of change in the power spectrum of LFPs?

and all tracking conditions.



1) Firing rate is enhanced (~18%) in V4 for tracked stimuli. 2) The fano factor is decreased (~7.5%) for tracked stimuli. 3) The modulation of rate is similar in tracking 1 or 2 items. 4) The signal to noise ratio is better in tracking 1 item though. 5) Both spike and LFP power spectra are modulated similarly. 6) For tracked items, low frequency(5-25Hz) power decreases and high frequency (35-95Hz) power increases.

References

2. Sears CR and Pylyshyn ZW (2000) Multiple object tracking and attentional processing. Can J Exp Psychol. 54(1):1-14.



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Conclusions