

Supplementary Figures

Figure S1. TMS site specification in each participant.

Stimulation sites for right FEF TMS shown (as red dots) on the rendered cortical surface of each individual participant in native space.

Figure S2. Extracted BOLD signal for all conditions separately.

BOLD signal for all 6 conditions (high/low TMS during face, motion or passive viewing resp.) separately extracted from respectively right FEF (a) left FEF (b) MT (c) and FFA(d)

Figure S3. TMS effect on performance for proportion correct and RT scores separately.

- a) RT scores are shown separately for the high and low intensity FEF TMS in the motion and face task, with error bars showing ± 1 SEM. A disruptive TMS effect on motion was observed ($T(12)=9.4, p<.05$) and a trend for face trials ($T(12)=2.3 p=.15$ ns)
- b) Proportion Correct scores are shown separately for the high and low intensity FEF TMS in the motion and face task, with error bars showing ± 1 SEM. A disruptive TMS effect on motion was observed ($T(12)=5.9, p<.05$) but not on face trials ($T(12)=.3 p>.5$ ns).