

Delay-period neuronal oscillations are modulated by 10 Hz rTMS: A Simultaneous rTMS/EEG Study Massihullah Hamidi, Heleen A. Slagter, Bradley R. Postle Department of Psychology, University of Wisconsin - Madison

- **period** rTMS than is PFC (Hamidi et al., submitted):
- facilitatory.
- oscillations (Fuggetta et al., 2007).
- increase α -band (8.5-13.5 Hz) power (Jensen et al., 2002).



Does working memory-related α -band activity correspond to:

- 2007) and γ (40-80 Hz) (Tallon-Baudry et al., 1998) oscillations.
- neuronal oscillations during tasks of working memory.



- rTMS (10 Hz, 110% MT, 3 sec. Magstim Standard
- Stimulation intensity was corrected for scalp-tocortex distance (Stokes et al., 2005).
- Postcentral gyrus (PCG) served as a stimulation control

- residual rTMS artifacts identified and removed.
- interpolation of surrounding channel values.







mhamidi@wisc.edu