Fronto-Parietal Network When people are conservative with their memory judgments there is increased fronto-parietal fMRI activity in the hit > correct rejection (CR) contrast¹.

Conservative



Can neurostimulation manipulate decision criteria?

Attempt 1: rTMS (continuous theta burst) over frontal regions failed to affect decision criteria².

Attempt 2: Diffuse tDCS over right prefrontal cortex in an attempt to affect larger brain area

Hypothesis

Anodal stimulation over right PFC should cause participants to establish more conservative decision criteria whereas cathodal stimulation should cause participants to establish more liberal criteria relative to sham. There are no expected differences in discriminability performance.



Liberal



Aminoff et al., 2015

STUDY



	(Con > Lib) * (Stim > Pre) * (Anodal > Sham) -	•	-
	(Stim > Pre) * (Cathodal > Sham) -		
	(Stim > Pre) * (Anodal > Sham) -		
_	(Con > Lib) * (Cathodal > Sham) -	•	-
Term	(Con > Lib) * (Anodal > Sham) -	•	-
	(Con > Lib) * (Stim > Pre) -		
	Cathodal > Sham -	•	-
	Anodal > Sham -		-
	Stim > Pre -		-
	Con > Lib -		



Linear mixed	model		
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