Independent modulators of regional EEG alpha sub-band power during a working memory task

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1) What brain sources express alpha modulators? ... and how many alpha modulators does each source have?

1) Two-back continuous performance

2) Sternberg working memory task -- low alpha reactivity in various brain regions

3) Emotion imagination -- Can alpha IMs differentiate between imagined emotions?

SUMMARY

Functional brain imaging using EEG can elucidate the spatial location, temporal pattern and functional significance of oscillatory activity in the brain. Alpha IMs are less widespread during eyes closed condition, constrained to occipital regions and are situated more inferior and motivationally intense task. Alpha IMs are found prominently in ACC during a cognitively demanding and motivationally intense task.