

Temporal requirements of medial prefrontal cortex projections during attention behavior

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The prefrontal cortex (PFC) directs our attention and actions toward a small number of tasks at any one time, while inhibiting others. How the PFC does this is poorly understood. We investigate how activity of mPFC outputs is required during an attention task. In addition, we study how cholinergic modulation by basal forebrain inputs to mPFC is involved.