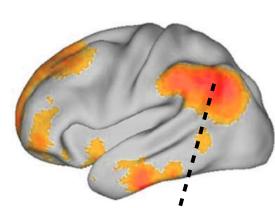
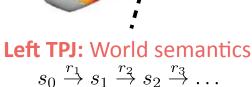
PMC: Global monitoring and information integration

PMC: Global monitoring and information integration
$$\delta\theta_k \propto -\mathbb{E}_{(s,a,r,s')\sim\mathcal{D}}[(\tilde{Q}(s,a|\theta_k)-y_k)\nabla_{\theta_k}\tilde{Q}(s,a|\theta_k)]$$

dmPFC (BA9): Action consideration $a_k \leftarrow \operatorname{argmax}_{a \in \mathcal{A}} Q(s_k, a | \theta_k)$





vmPFC (BA10): $ilde{Q}(s,a| heta_k)$ Stimulus-value association Ncl. Accumbens:

Hippocampus: Memory, space, and experience replay $(s, a, r, s') \sim \mathcal{D}$

Reward / punishment signals **Right TPJ:** Prediction error signaling $Q(s, a|\theta_k) - y_k$