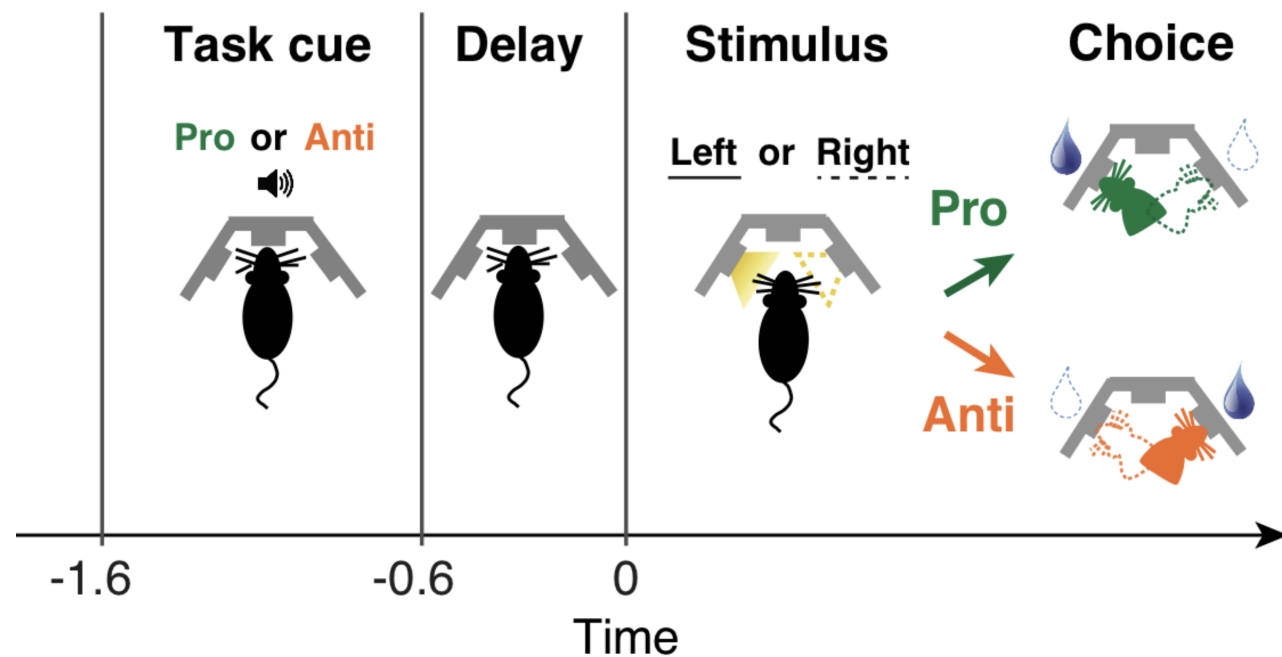
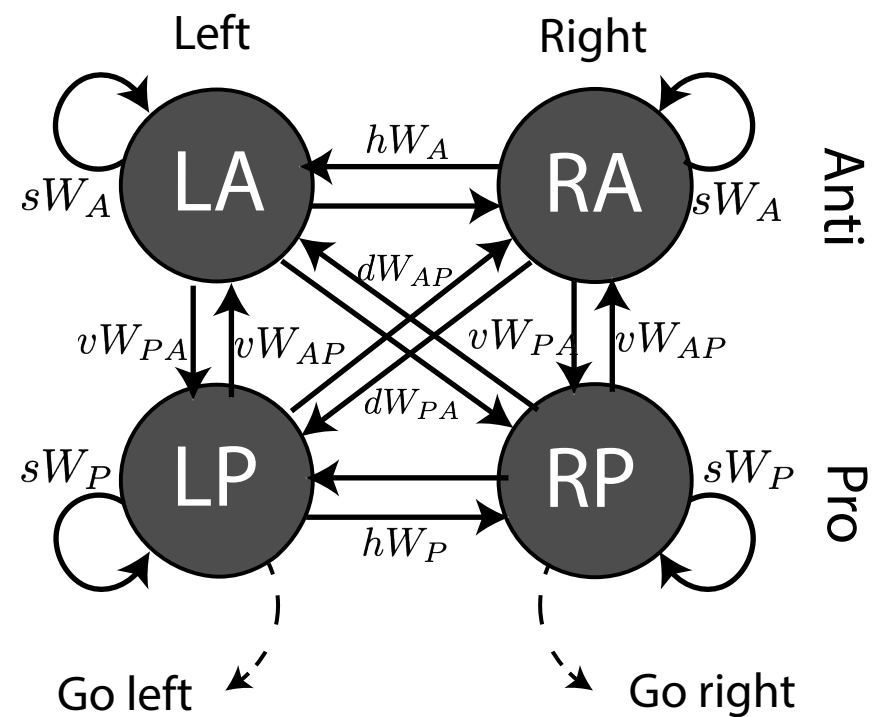


A



B



C

$$W = V\Lambda V^{-1} = \begin{bmatrix} v_1 \\ v_2 \\ v_3 \\ v_4 \end{bmatrix}^\top \begin{bmatrix} \lambda_{1,1} & \lambda_{1,2} & \lambda_{1,3} & \lambda_{1,4} \\ 0 & \lambda_{2,2} & \lambda_{2,3} & \lambda_{2,4} \\ 0 & 0 & \lambda_{3,3} & \lambda_{3,4} \\ 0 & 0 & 0 & \lambda_{4,4} \end{bmatrix} \begin{bmatrix} v_1 \\ v_2 \\ v_3 \\ v_4 \end{bmatrix}$$

all: $\begin{bmatrix} + & + \\ + & + \end{bmatrix}$ - all neurons active/suppressed together

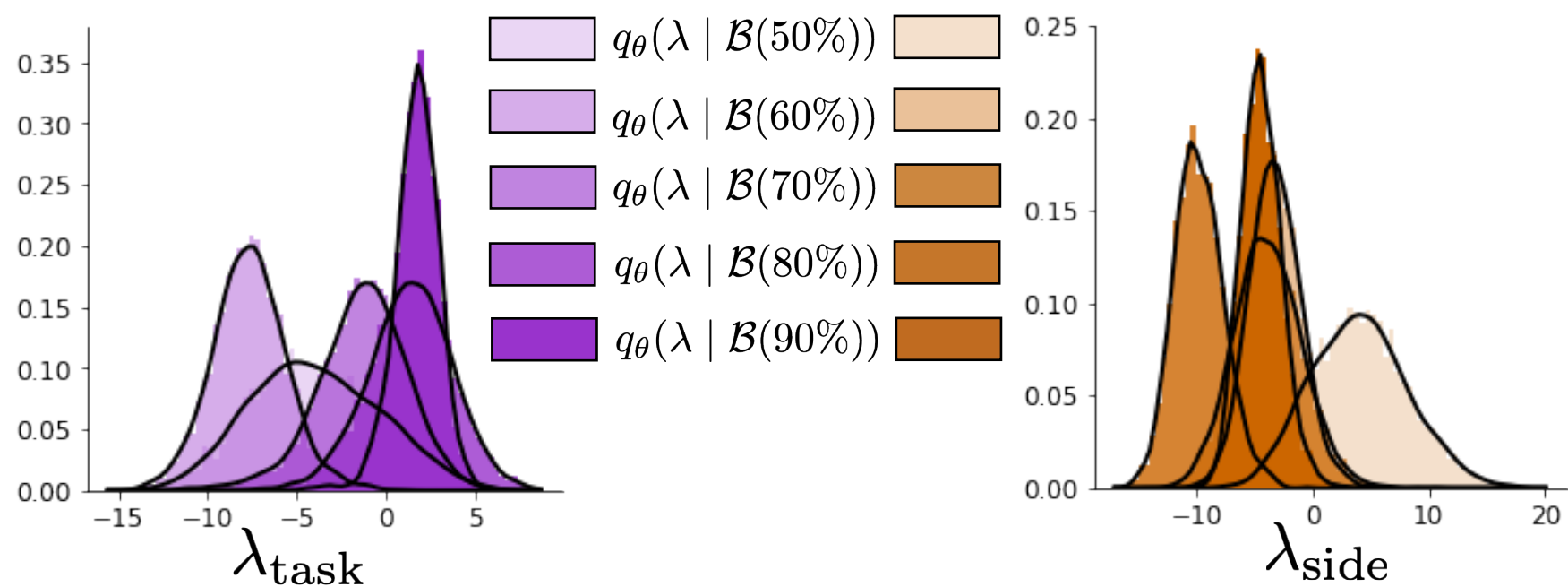
task: $\begin{bmatrix} - & - \\ + & + \end{bmatrix}$ - task cue represented

$v_i \in \left\{ \begin{bmatrix} + & + & + & - & - & - & + & - \\ + & + & + & - & + & + & - & + \end{bmatrix}, \begin{bmatrix} + & - & - & + & - & - & + & - \\ + & - & - & + & + & + & - & + \end{bmatrix} \right\}$

side: $\begin{bmatrix} + & - \\ + & - \end{bmatrix}$ - hemisphere dominance

diag: $\begin{bmatrix} + & - \\ - & + \end{bmatrix}$ - opposite hemisphere Pro and Anti

D



E

