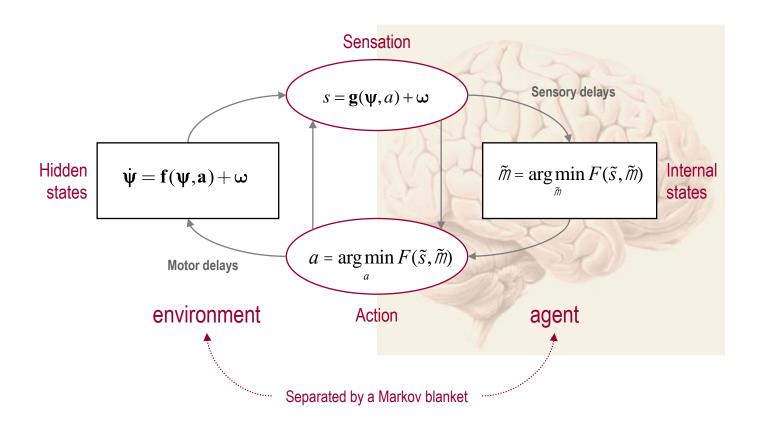
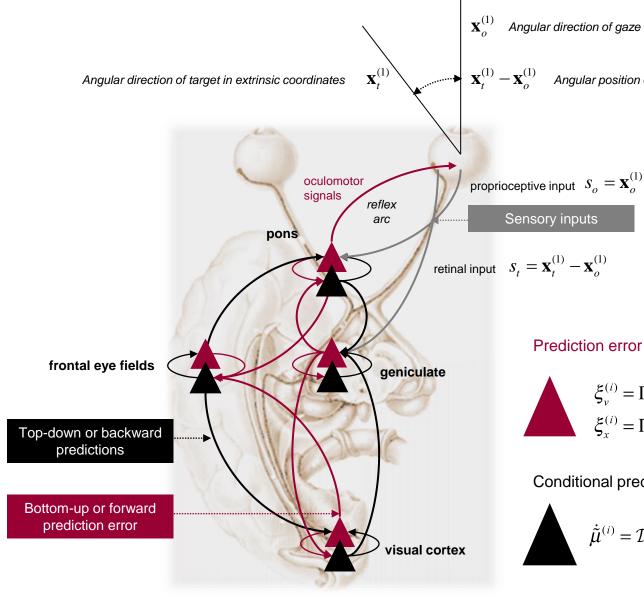
Exchange with the environment

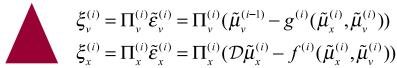




Angular direction of gaze in extrinsic coordinates

 $\mathbf{X}_t^{(1)} - \mathbf{X}_o^{(1)}$ Angular position of target in intrinsic coordinates

Prediction error (superficial pyramidal cells)



Conditional predictions (deep pyramidal cells)

$$\dot{\tilde{\mu}}^{(i)} = \mathcal{D}\tilde{\mu}^{(i)} - \frac{\partial \tilde{\varepsilon}^{(i)}}{\partial \tilde{\mu}^{(i)}} \cdot \xi^{(i)}$$

