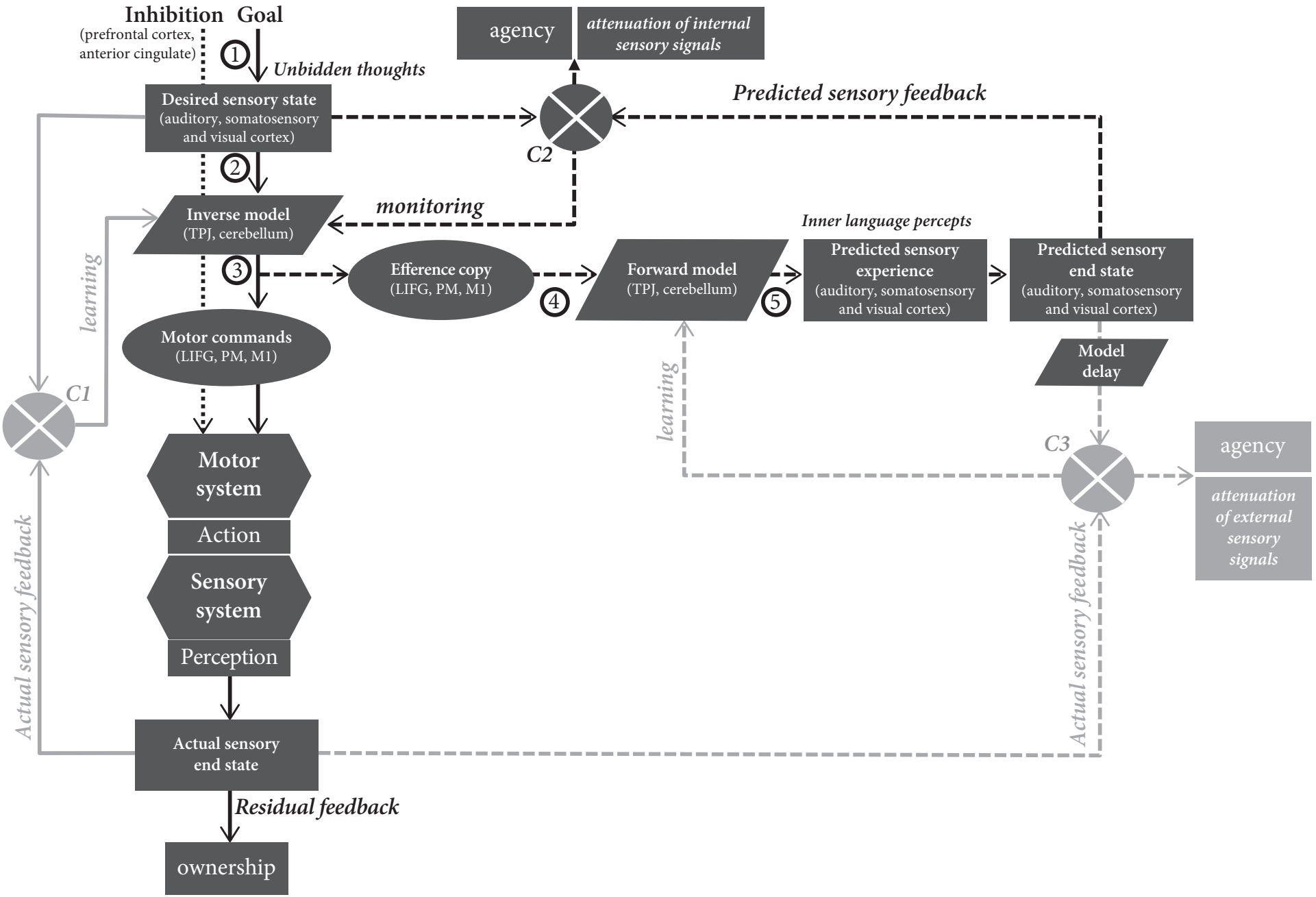
Inhibition
(prefrontal cortex, anterior cingulate)
Goal
1
Unbidden thoughts
agency
attenuation of internal sensory signals
Desired sensory state
(auditory, somatosensory and visual cortex)
Predicted sensory feedback
C2
2
Inverse model
(TPJ, cerebellum)
monitoring
Inner language percepts
learning
3
Efference copy
(LIFG, PM, M1)
4
Forward model
(TPJ, cerebellum)
5
Predicted sensory experience
(auditory, somatosensory and visual cortex)
Predicted sensory end state
(auditory, somatosensory and visual cortex)
Motor commands
(LIFG, PM, M1)
Model delay
C1
learning
C3
agency
attenuation of external sensory signals
Motor system
Action
Sensory system
Perception
Actual sensory feedback
Actual sensory feedback
Actual sensory end state
Residual feedback
ownership