

Spatial coding properties of hippocampal somatostatin-expressing inhibitory neurons

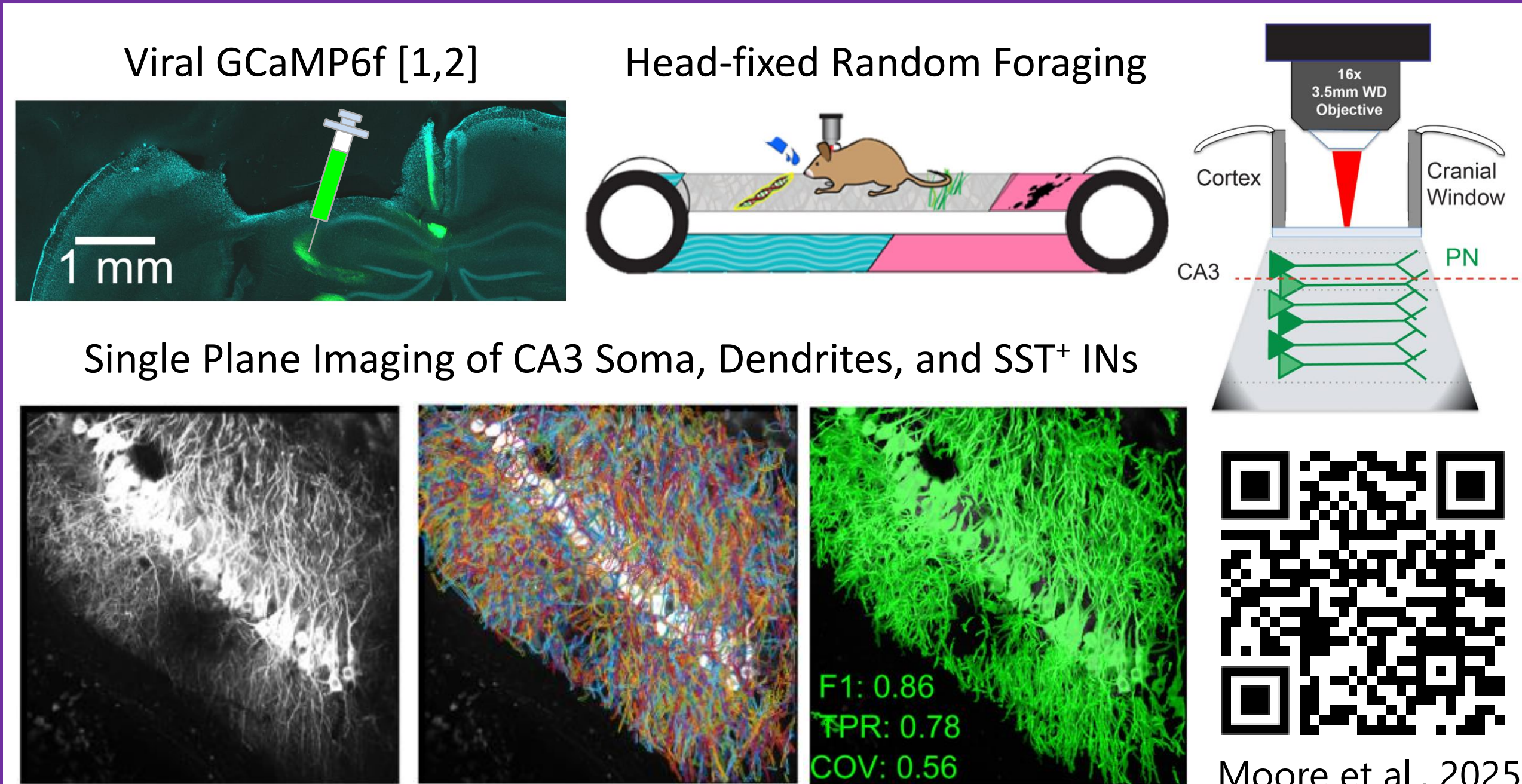
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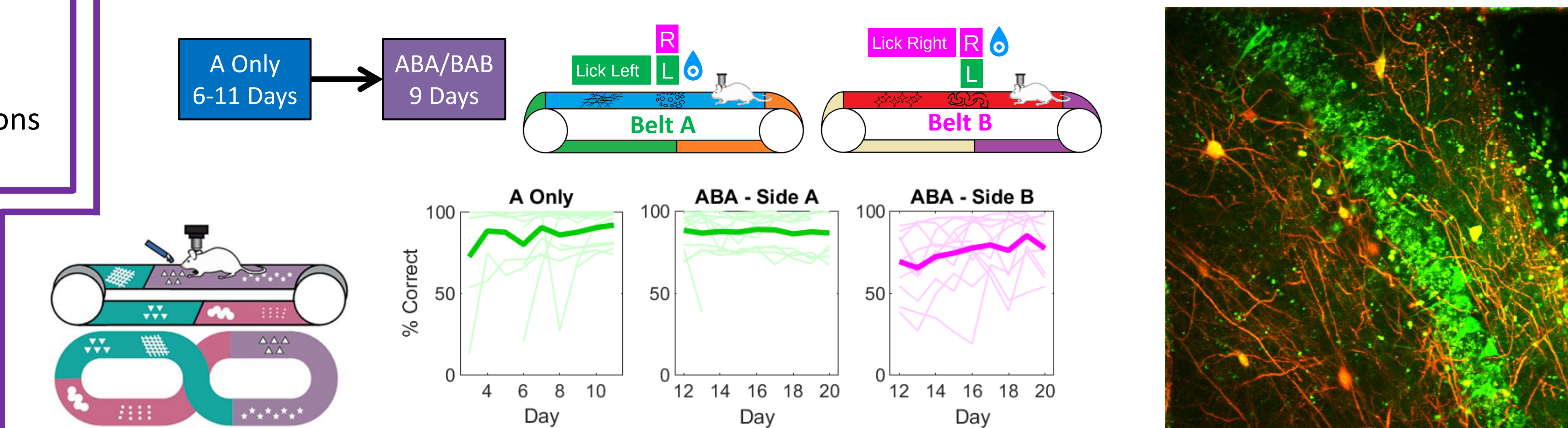
Overview

- Dendrites are implicated in place field formation
- What are the long-term dynamics of dendrites in CA3?
- Dendrites are directly inhibited by SST-expressing inhibitory neurons
- What spatial or contextual information do SST+ INs carry?

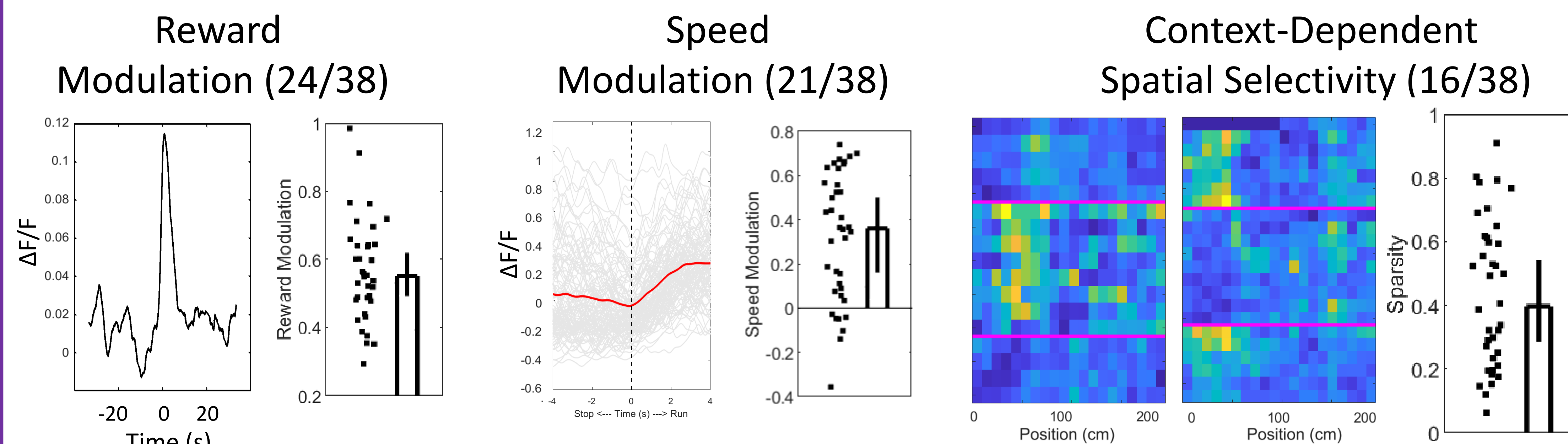
Methods



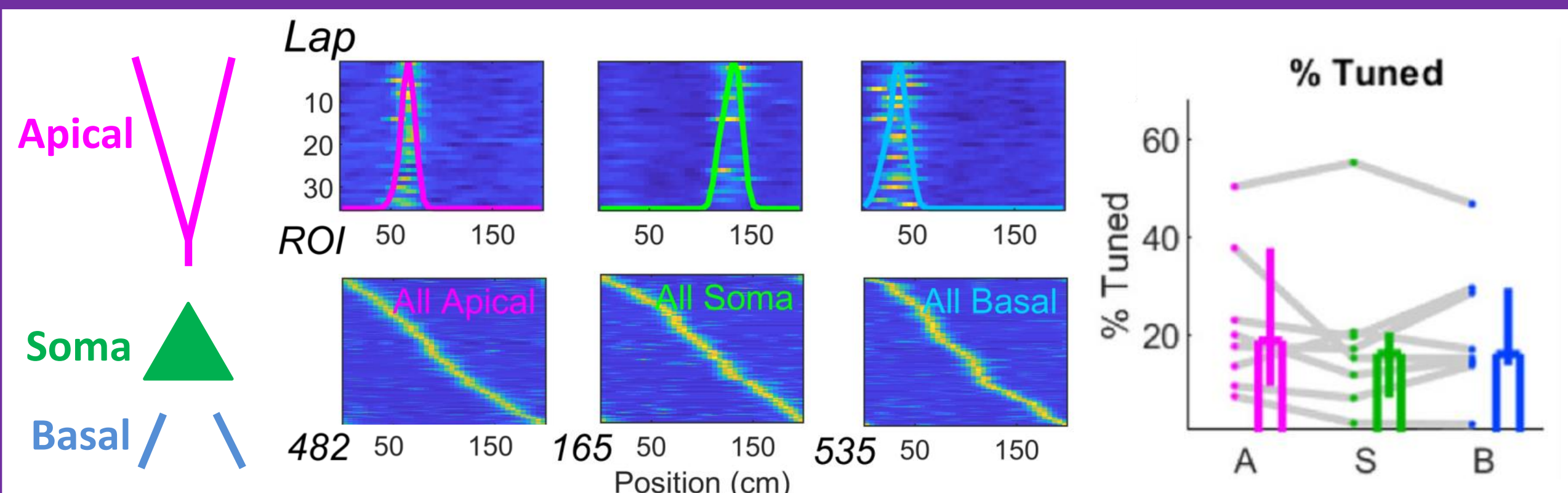
SST imaging during contextual navigation



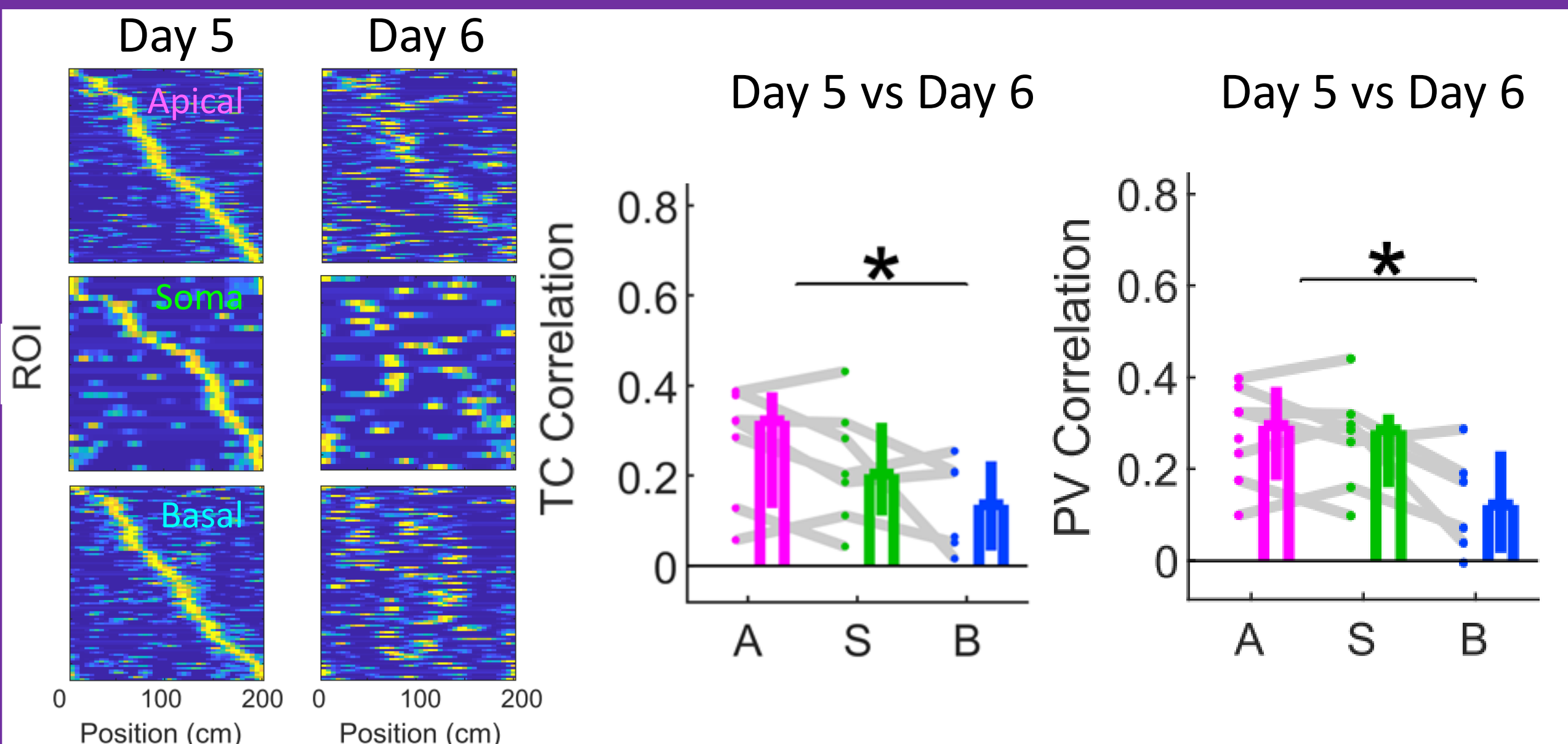
SST neurons modulated by navigational variables



Place dendrites in CA3



Apical dendrites are more stable than basal



Highly stable SST responses across days

