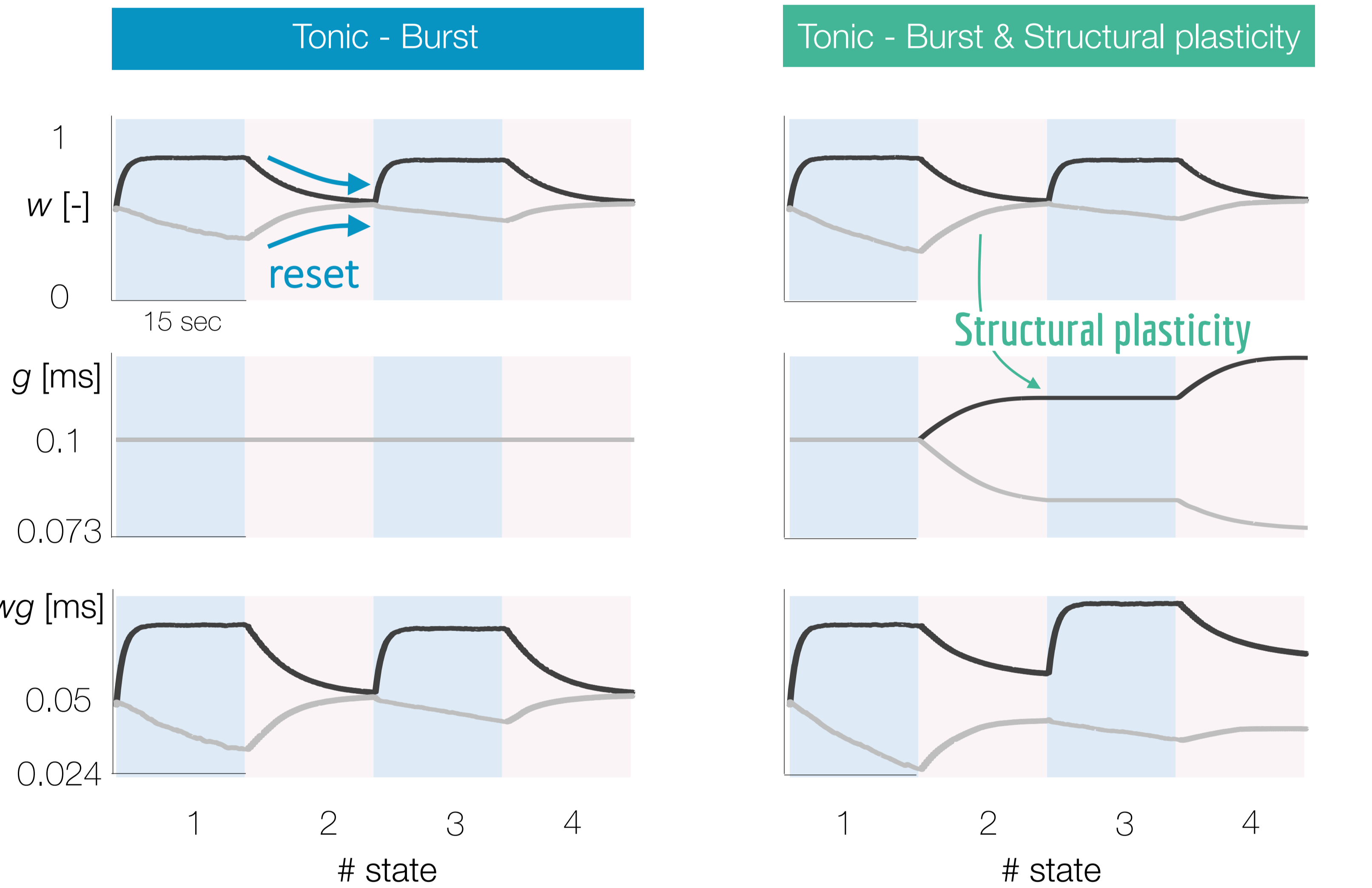
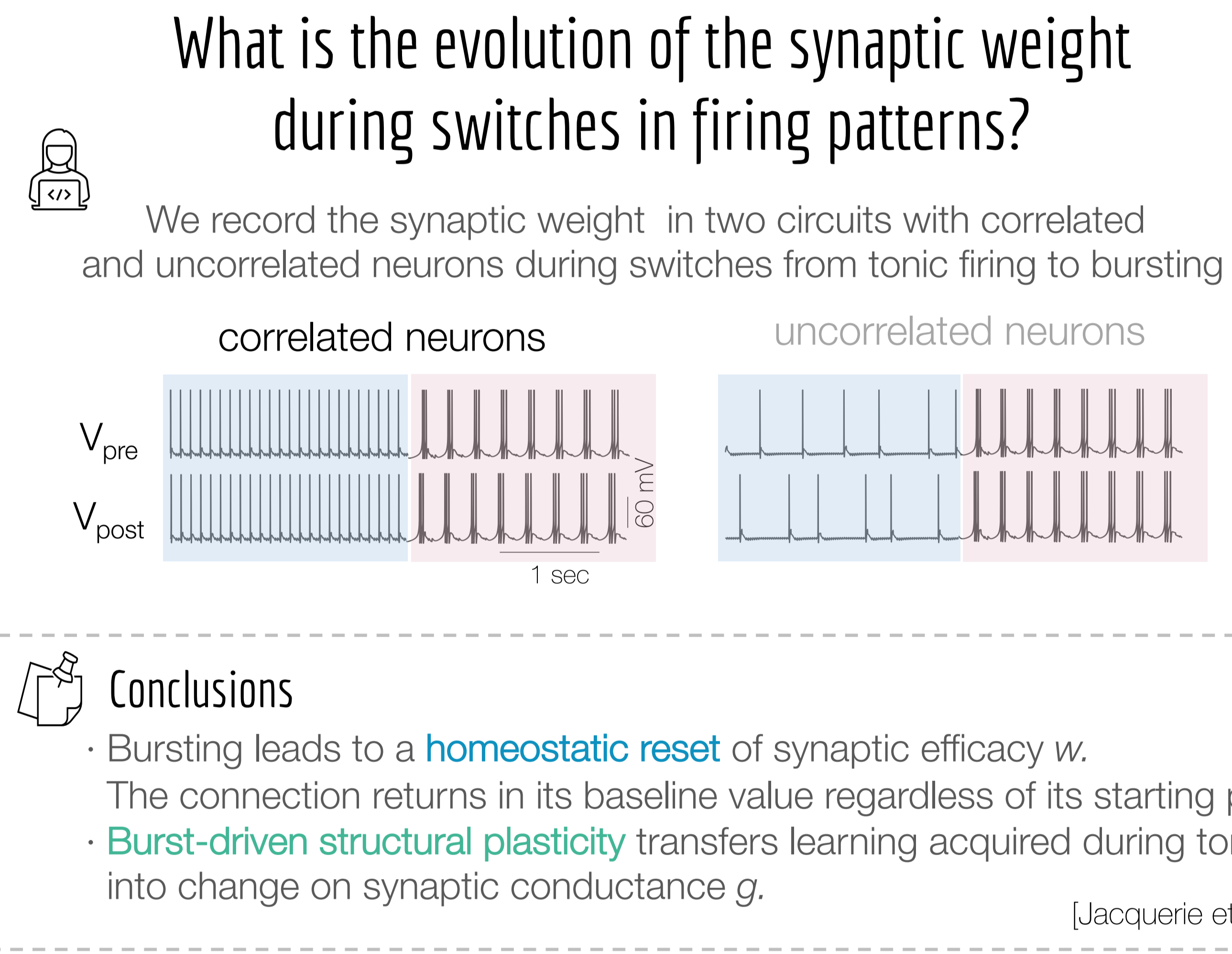
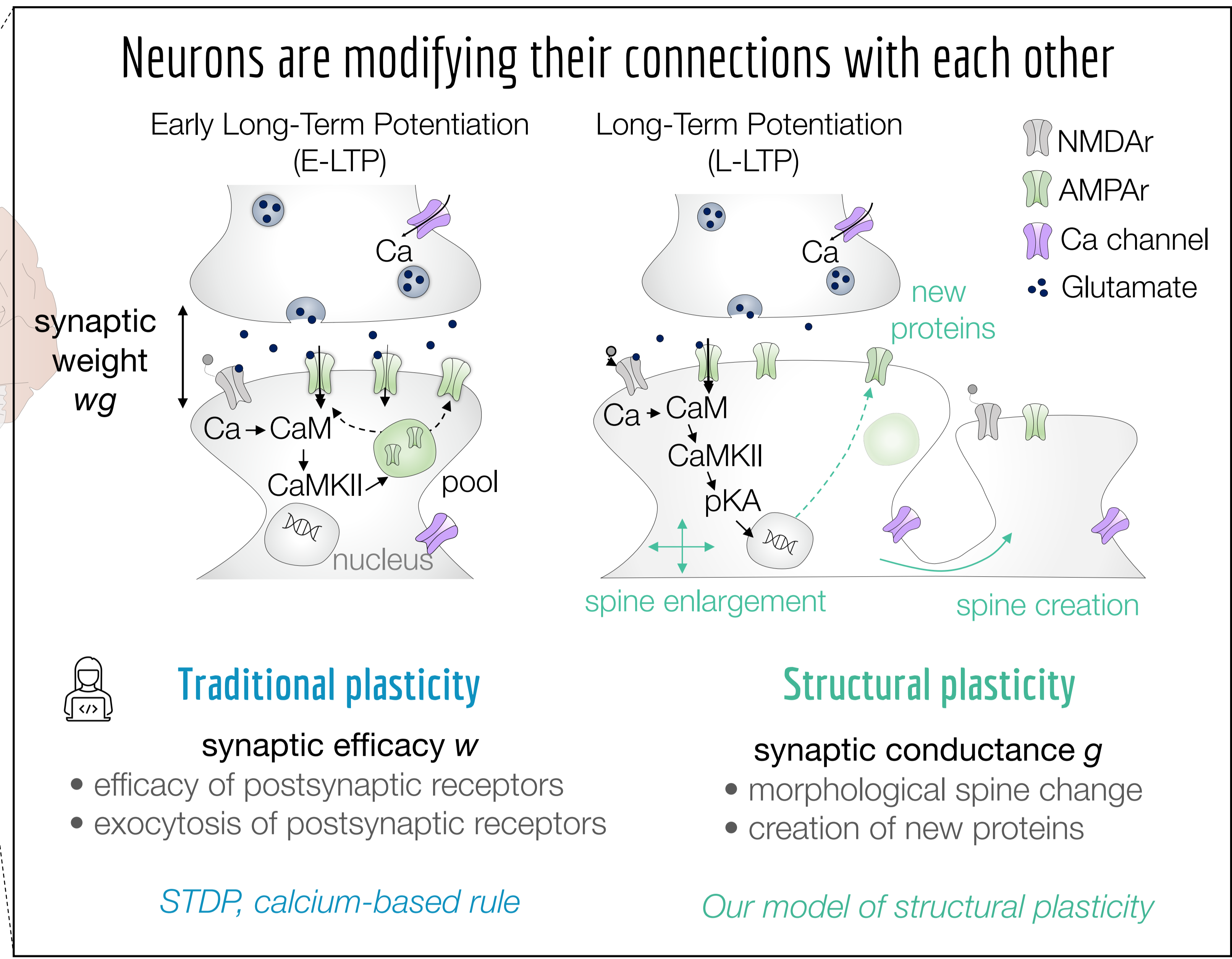
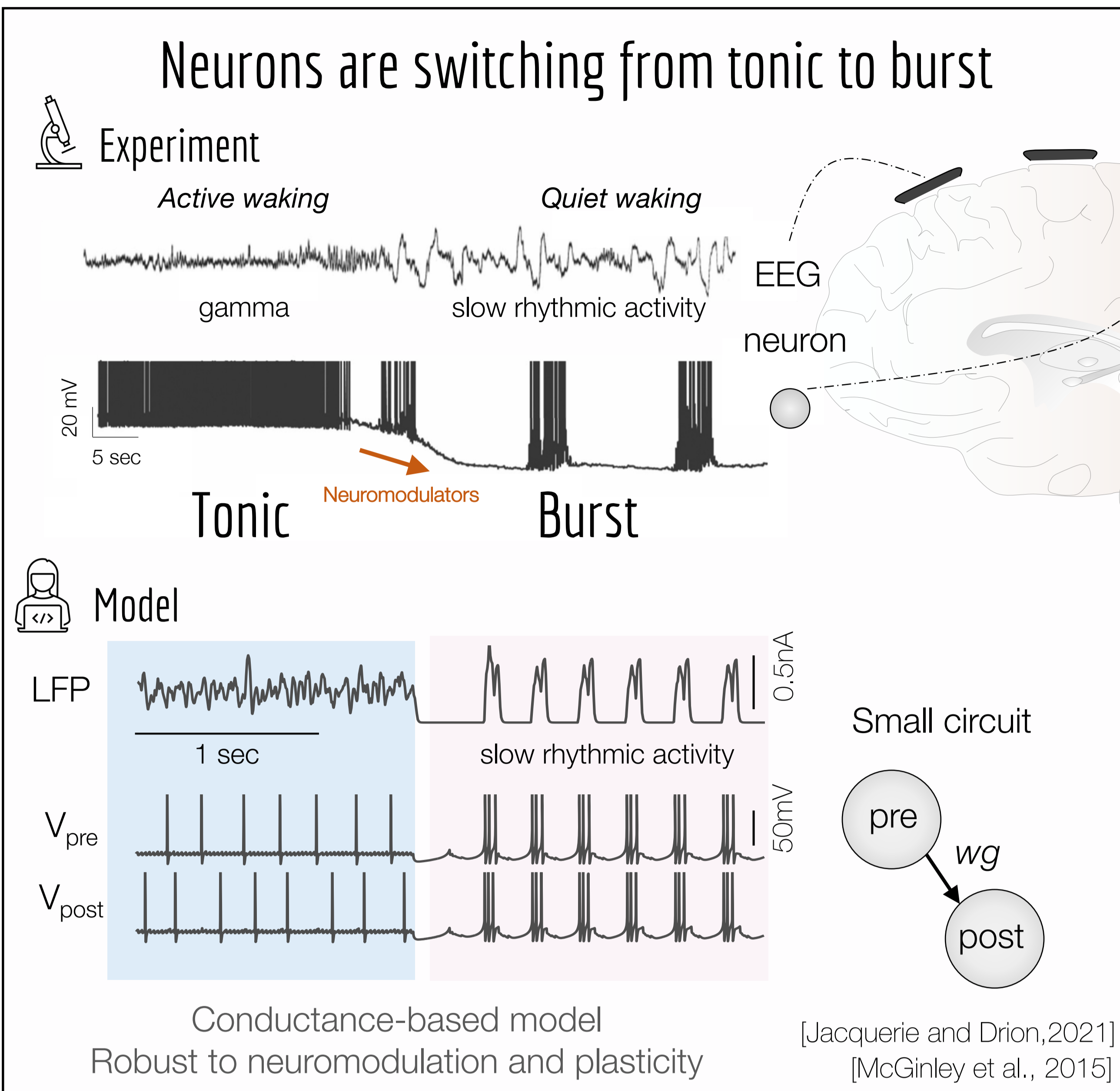
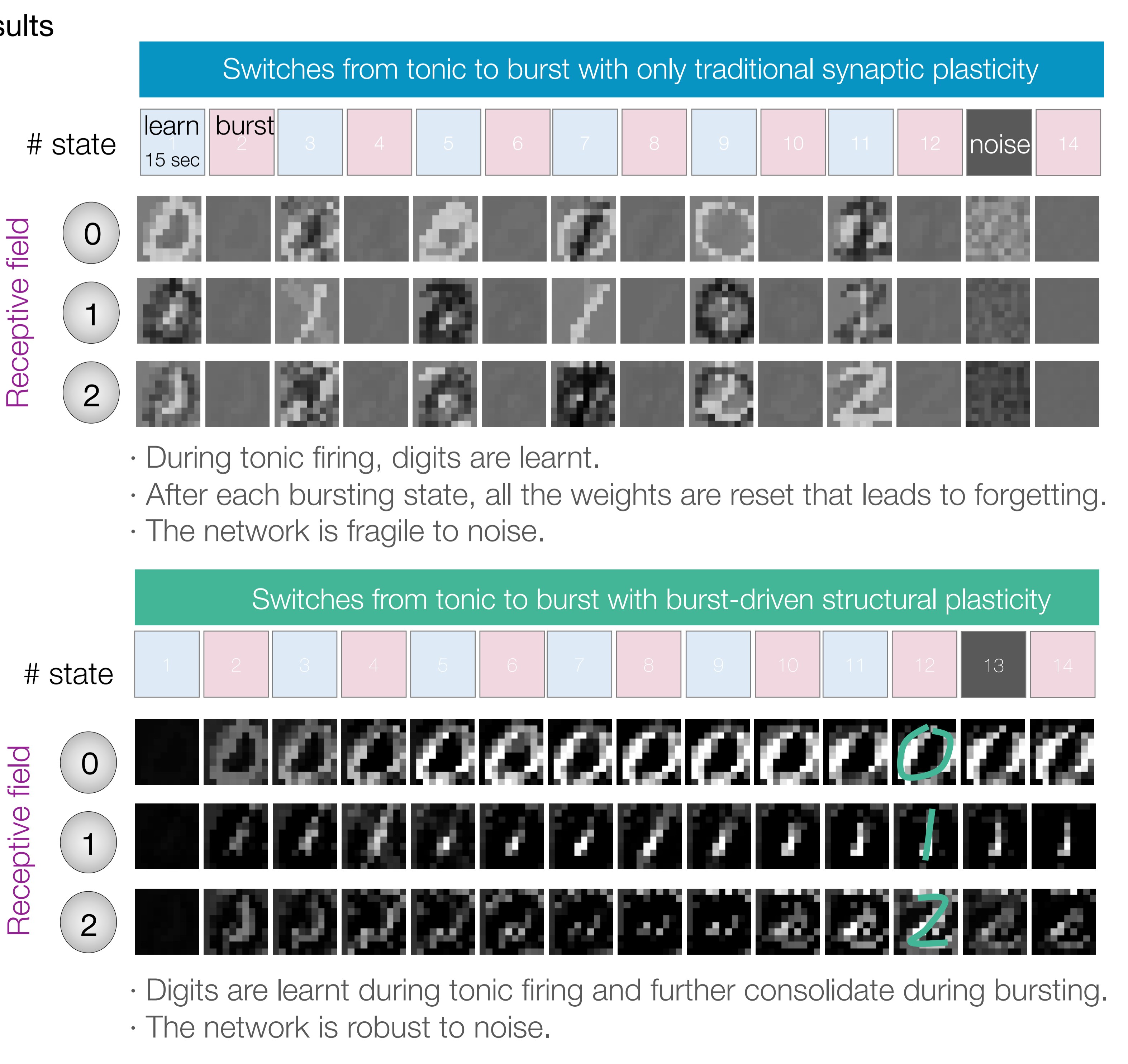
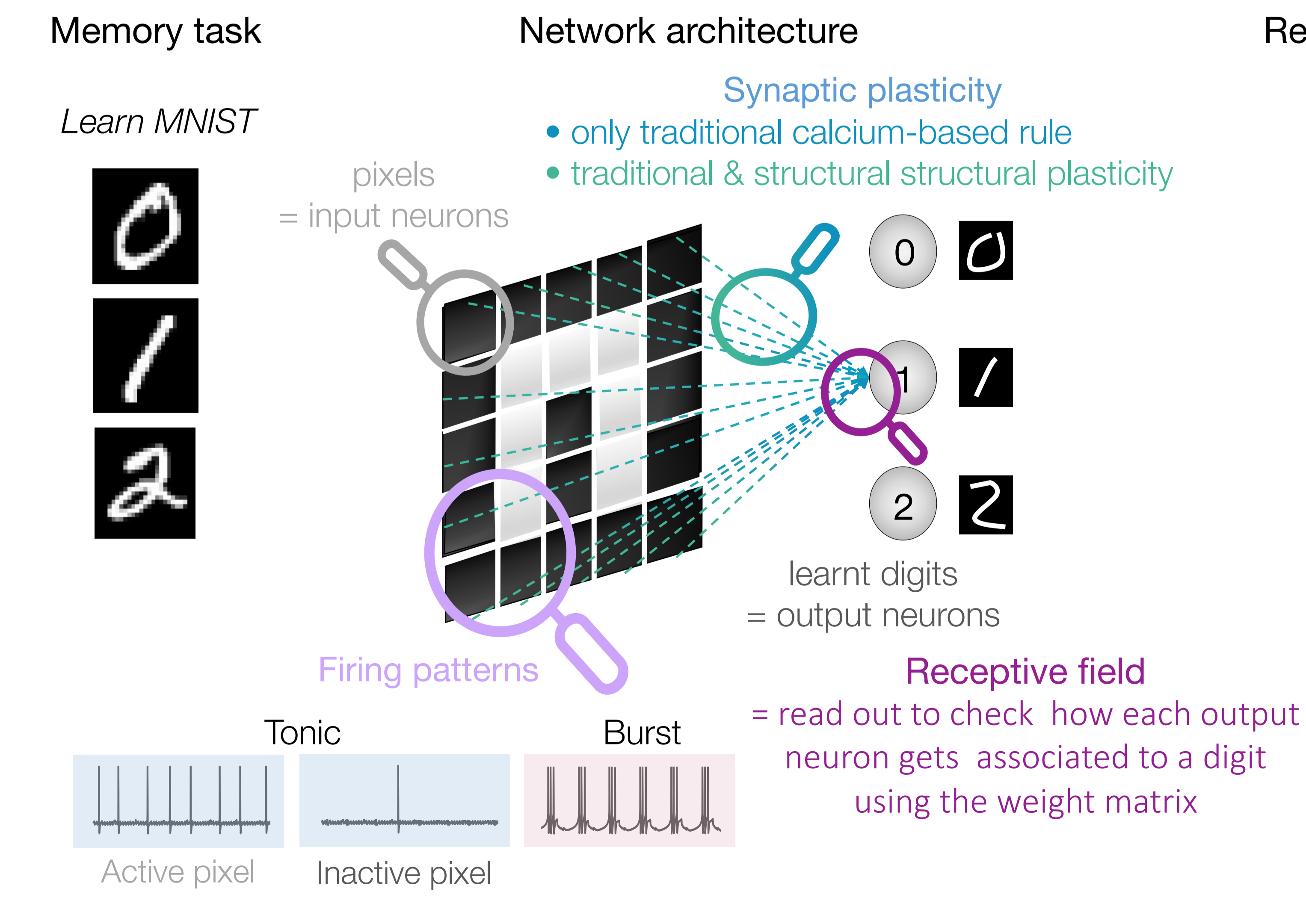




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## Switches from tonic firing to bursting combined with structural plasticity enhances memory consolidation



**Summary**

This study highlights the importance of firing patterns in synaptic plasticity and proposes a solution to bridge the gap between the switches from tonic firing to bursting, learning and memory consolidation. This solution is a **structural plasticity** mechanism that exploits the **homeostatic reset** during burst. Successive switches between active and quiet waking enhances memory consolidation.