

Modelling of gamma oscillations

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Ideas

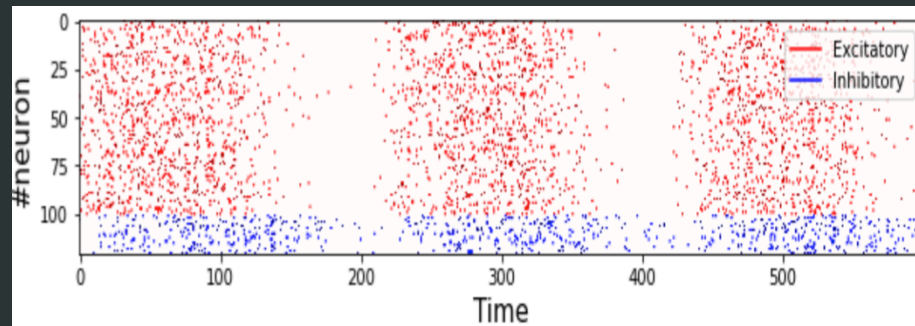
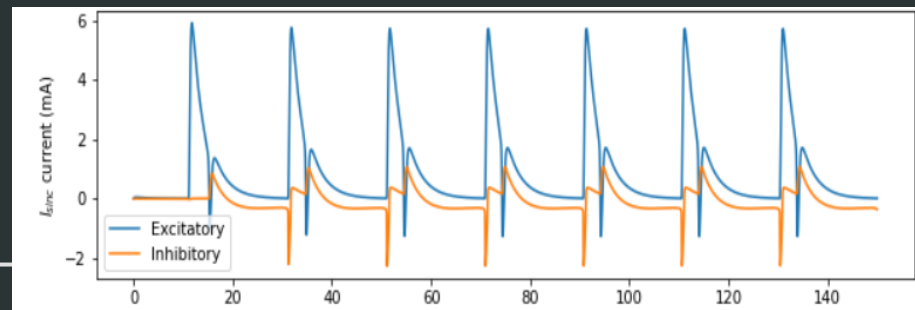
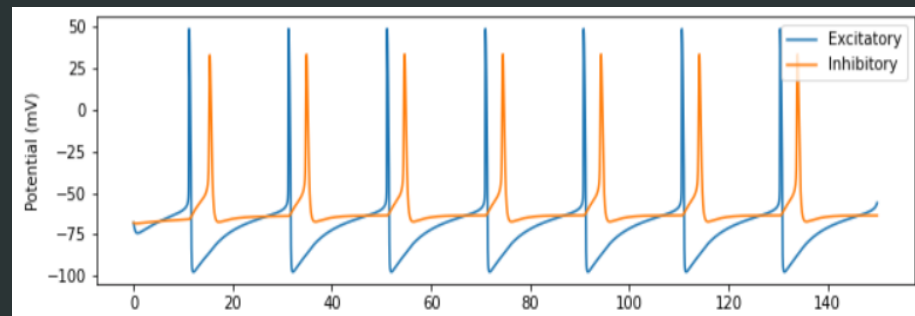
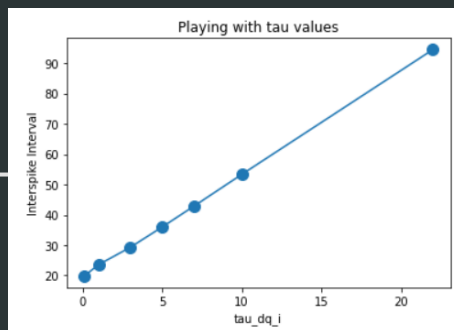
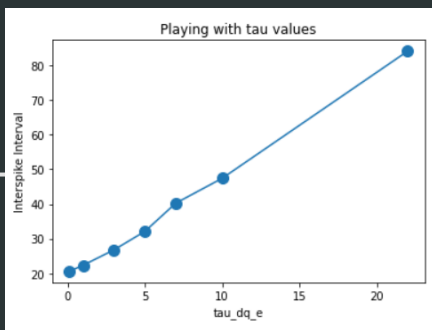
Understand emergent network properties:

- How do neuronal oscillations emerge?
- Up and down states in the striatum



Results

- We simulated a gamma oscillation by connecting an excitatory and an inhibitory cell using the Hodgkin and Huxley model.



Our experience!

- Lots of meetings!
- Hard to pin down a specific question (we learned so much in NMA!)
- We were able to implement models that initially seemed really daunting

