What turns dopamine cells off?

Abstract:
Several models of reward-learning propose that dopamine cells are under joint excitatory-inhibitory control and that modulation of inhibitory input contributes to the rapid fluctuation in responses seen in dopamine cells when cue-reward contingencies change. This talk will consider a couple of candidate structures that may be the source of this inhibitory input, with a focus on the striatum.

Recent Papers:

Parr-Brownlie LC, Hyland BI (2005) Bradykinesia induced by dopamine D2 receptor blockade is associated with reduced motor cortex activity in the rat. Journal of Neuroscience 25, 5700-5709


Hosted by the Neurobiology Research Unit: All welcome. Please contact Jeff Wickens for further information.