Mallet et al. (2016) show that "arkypallidal" neurons provide a Stop signal, suppressing the development of Go-related striatal activity.

This Article of the Month (PDF) is the work of Marc Deffains, Liliya Iskhakova, Hagai Bergman.

In this review, the authors address some of the current anatomical knowledge of the basal ganglia (BG) network whose dysfunction leadsto BG disorders such as Parkinson's disease. In particular, they discuss the recent discovery of pallidal GABAergic projections to the striatum and the evidence of distinct functional neuronal populations within the external segment of the globus pallidus (GPe). Thus, they shed light on the role of the neuronal heterogeneity of the GPe in the orchestration of the neuronal activity along the BG network and encourage us to rethink the functional organization of the BG network.

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