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.

Tags: ELSC News Article of the Month Prof. Hagai Bergman
Learn more about our exciting upcoming events!

read more

Studying at ELSC

Our Int'l Ph.D. program provides outstanding students with top-notch courses in computational neuroscience.

read more

The Building

The Jerusalem Brain Sciences Building will provide a state-of-the-art research and teaching facility for the Edmond and Lily Safra Center for Brain Sciences.

read more

ELSC Media Channel

Get into our media channel and investigate ELSC's latest videos: seminars, public lectures, courses and video articles.

read more

Source URL: http://elsc.huji.ac.il/content/article-month-may-june-2016