



Talks by rising stars of neuroscience

Cholinergic modulation of the cerebellum

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Many studies have investigated the major glutamatergic inputs to the cerebellum, mossy fibres and climbing fibres, however far less is known about its neuromodulatory inputs. In particular, anatomical studies have described cholinergic input to the cerebellum, yet little is known about its role(s). In this talk, I will present our recent findings which demonstrate that manipulating acetylcholine receptors in the cerebellum causes effects at both a cellular and behavioural level. Activating acetylcholine receptors alters the intrinsic properties and synaptic inputs of cerebellar output neurons, and blocking these receptors results in deficits in a range of behavioural tasks.

Event link:

<https://www.crowdcast.io/e/wwneurise/>