ELSC Seminar: Jason Christie

October 29, 2015

On the topic of "Compartmentalized signalling in the mouse cerebellum"

ELSC cordially invite you
to the lecture given by:

**Jason Christie**
Max Planck Florida Institute for Neuroscience

On the topic of

"Compartmentalized signalling in the mouse cerebellum"

The lecture will be held on Thursday, October 29, 2015
at 17:00, at ELSC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 16:45

**Abstract:**

The cerebellum is engaged during the learning and execution of motor programs allowing for efficient movement, in part, by calibrating sensorimotor relationships through plasticity within its circuits. Although this process is understood broadly, fundamental features of cerebellar-dependent motor learning remain elusive. For example, at what scale are neural signalling features represented in the cerebellum and how are they refined in individual neurons to allow for alteration of motor output in terms of movement amplitude and timing? In this seminar, I will present our recent work in mice examining the compartmentalized representation of cellular activity in ensembles of neurons as well as in individual cells.

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