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UNIVERSITÉ DE GENÈVE
CENTRE INTERFACULTAIRE DE NEUROSCIENCES

BRAIN & COGNITION SEMINAR

Dr Jennifer Coull

(Laboratoire des Neurosciences Cognitives (LNC), Aix-Marseille Université & CNRS)

Tuesday
May 17, 2022
12:15 to 13:15

On Zoom only
Upon registration to
francoise.defferrard@unige.ch

Visio conférences Zoom :
https://unige.zoom.us/j/68279722177?pwd=VEdGMDF2SzB1Z2JIdUxPcWtJeVJqZz09
Meeting ID: 682 7972 2177

"Visualising time in the human brain"

Abstract: We all have a sense of time. Yet it is a particularly intangible sensation. So how is our "sense" of time represented in the brain? Functional neuroimaging studies have consistently identified a network of regions, including Supplementary Motor Area and basal ganglia, that are activated when participants make judgements about the duration of currently unfolding events. In parallel, left parietal cortex and cerebellum are activated when participants predict when future events are likely to occur. These structures are activated by temporal processing even when task goals are purely perceptual. So why should the perception of time be represented in regions of the brain that have more traditionally been implicated in motor function? One possibility is that we learn about time through action. In other words, action could provide the functional scaffolding for learning about time in childhood, explaining why it has come to be represented in motor circuits of the adult brain.

Host : Prof. Patrik VUILLEUMIER

HUG
("salle visio")Salle des conférences
de Neurologie et de Neurochirurgie
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