Neuronal encoding of drug choices and preference in the orbitofrontal cortex

Friday, December 11, 2020, 11:00 – 12:00

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Human neuroimaging research has consistently shown that drug addiction is associated with structural and functional changes within the orbitofrontal cortex (OFC). In view of the important role of the OFC in value-based decision-making, these changes have been hypothesised to bias choice towards drug use despite and at the expense of other competing pursuits, thereby explaining drug addiction. Here I will present in vivo recording data in the OFC supporting this hypothesis in a choice-based model of addiction where rats could choose between two actions, one rewarded by a drug (cocaine or heroin), the other by a nondrug alternative (saccharin).

Related publications


Invited by Y. Vandaele

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This event will take place on a virtual space on **Friday, December 11th at 11:00** through the link:

https://chuv.webex.com/chuv/j.php?MTID=m10f36b08e48ab1e26d9dba3faeba0927

Meeting number (access code): 174 305 3588

Meeting password: jhR5gSmm4e3