Instituts thématiques Inserm
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Institute of Psychiatry and Neuroscience of Paris

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Psychiatry and Neuroscience Seminar Series 2021

Dr Emmanuel VALJENT

(Host H REBHOLZ)

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Deconstructing the role of dopamine signaling in defensive behaviors

Friday, December 3rd, 2021, noon

R04-45, 102-108 rue de la santé - 75014 Paris & VISIOCONFERENCE

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The ability to efficiently switch from one defensive strategy to another maximizes an animal's chance of survival. Increasing evidence suggests that the mesolimbic dopamine system contributes to the selection of defensive behaviors. I will discuss recent findings suggesting that the selection of active defensive behaviors requires the coordinated activation of dopamine D2 receptor (D2R) signaling within the central extended amygdala (EA) and illustrate how postsynaptic and presynaptic dopamine D2 receptors (D2R) jointly but differentially contribute to the fine regulation of defensive behaviors.

Keywords:

CELLULAR NEUROSCIENCE, MOLECULAR NEUROSCIENCE, NEURONAL CONNECTIVITY, DOPAMINE

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