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The ventral striatum in goal-directed behavior and sleep: intrinsic network dynamics, motivational information and relation with the hippocampus

Lansink, C.S.

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Abbreviations

AMPA:	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid
BOLD:	blood-oxygen-level dependent
CA:	Cornu Ammonis
CaM-kinase:	Ca ²⁺ /calmodulin-dependent protein kinases
DG:	dentate gyrus
EEG:	electroencephalography
EV:	explained variance
fMRI:	functional magnetic resonance imaging
FS:	fast-spiking
FSI:	fast-spiking interneuron
GABA:	gamma-aminobutyric acid
HC:	hippocampus
HDT:	half-decay time
ISI:	inter-spike interval
ISVD:	initial slope of valley decay
LFP:	local field potential
LTD:	long-term depression
LTP:	long-term potentiation
MSN:	medium-sized spiny neuron
MWU:	Mann-Whitney's U-test
NMDA:	N-methyl-D-aspartic acid
NRU:	non reward-related unit
pMSN:	putative medium-sized spiny neuron
QW-SWS:	quiet wakefulness-slow wave sleep
rCBF:	regional cerebral blood flow
REM sleep:	rapid eye movement sleep
REV:	reverse explained variance
RRU:	reward-related unit
SI:	supporting information
STDP:	spike-timing dependent plasticity
STP:	short-term potentiation
SWS:	slow wave sleep
VS:	ventral striatum
VTA:	ventral tegmental area