



## UvA-DARE (Digital Academic Repository)

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

Lansink, C.S.

**Publication date**  
2008

[Link to publication](#)

#### **Citation for published version (APA):**

Lansink, C. S. (2008). *The ventral striatum in goal-directed behavior and sleep: intrinsic network dynamics, motivational information and relation with the hippocampus*.

#### **General rights**

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

#### **Disclaimer/Complaints regulations**

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

## Abbreviations

AMPA:	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid
BOLD:	blood-oxygen-level dependent
CA:	Cornu Ammonis
CaM-kinase:	Ca <sup>2+</sup> /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