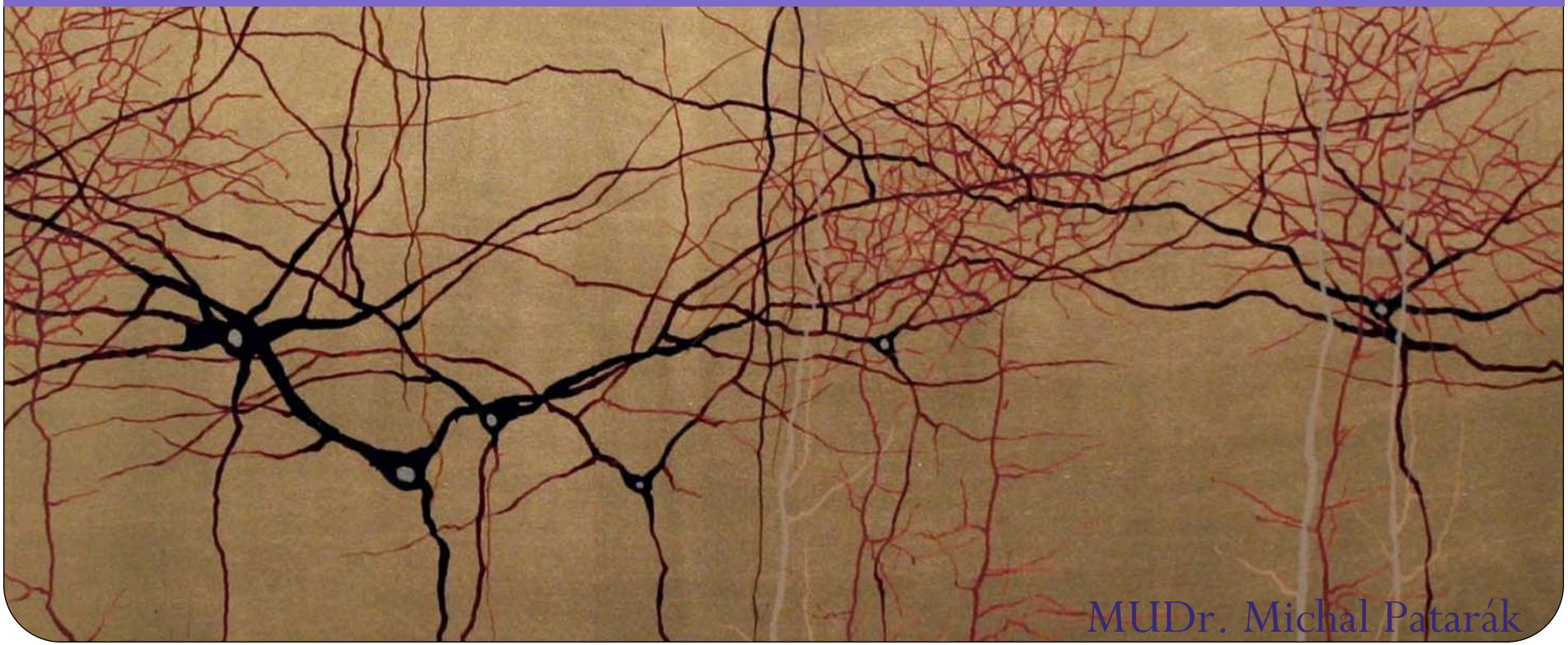


Pokus o rekonceptualizáciu systému odmeny



MUDr. Michal Patarák



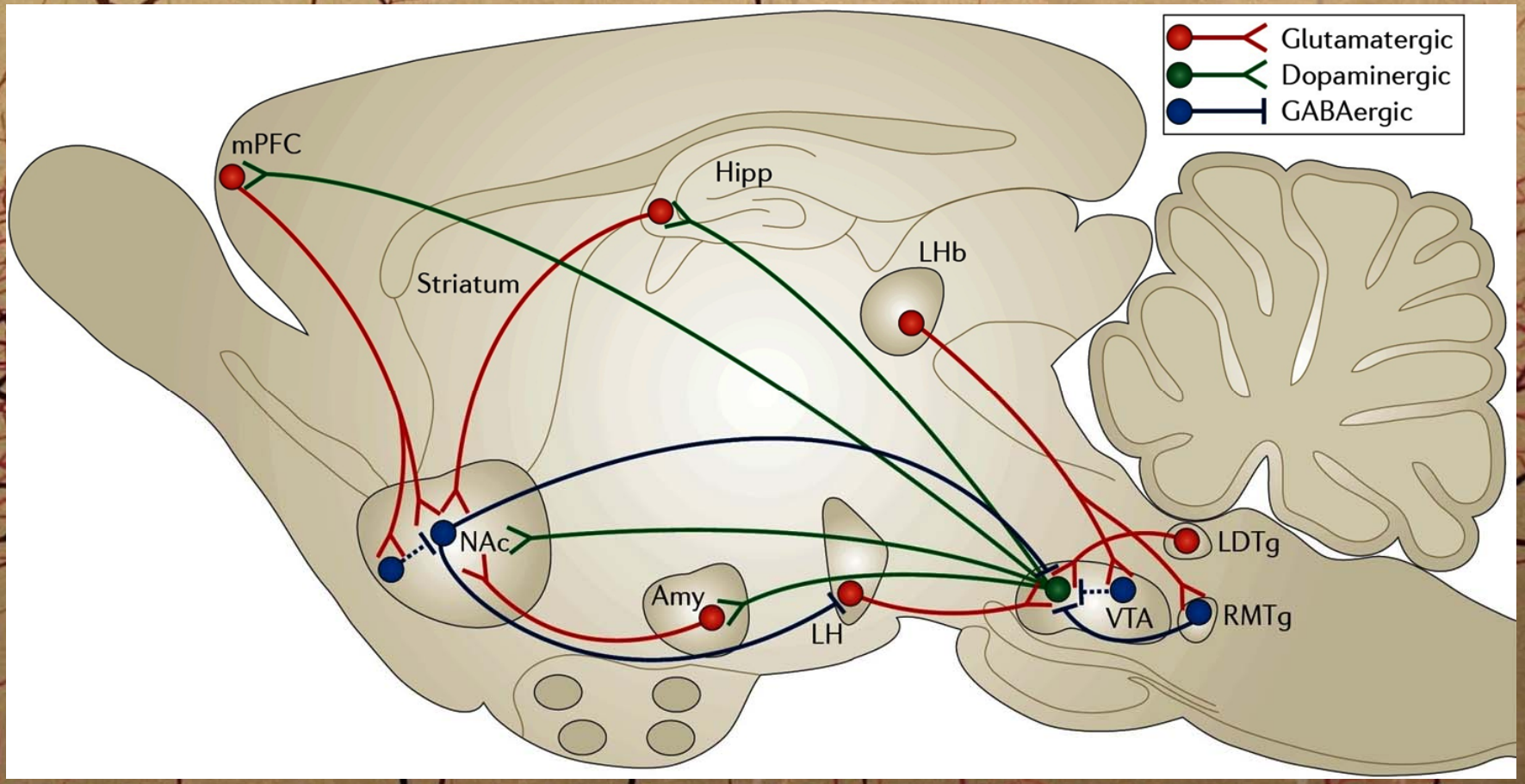
Seeking urge
Drive
Incentive salience
Reward



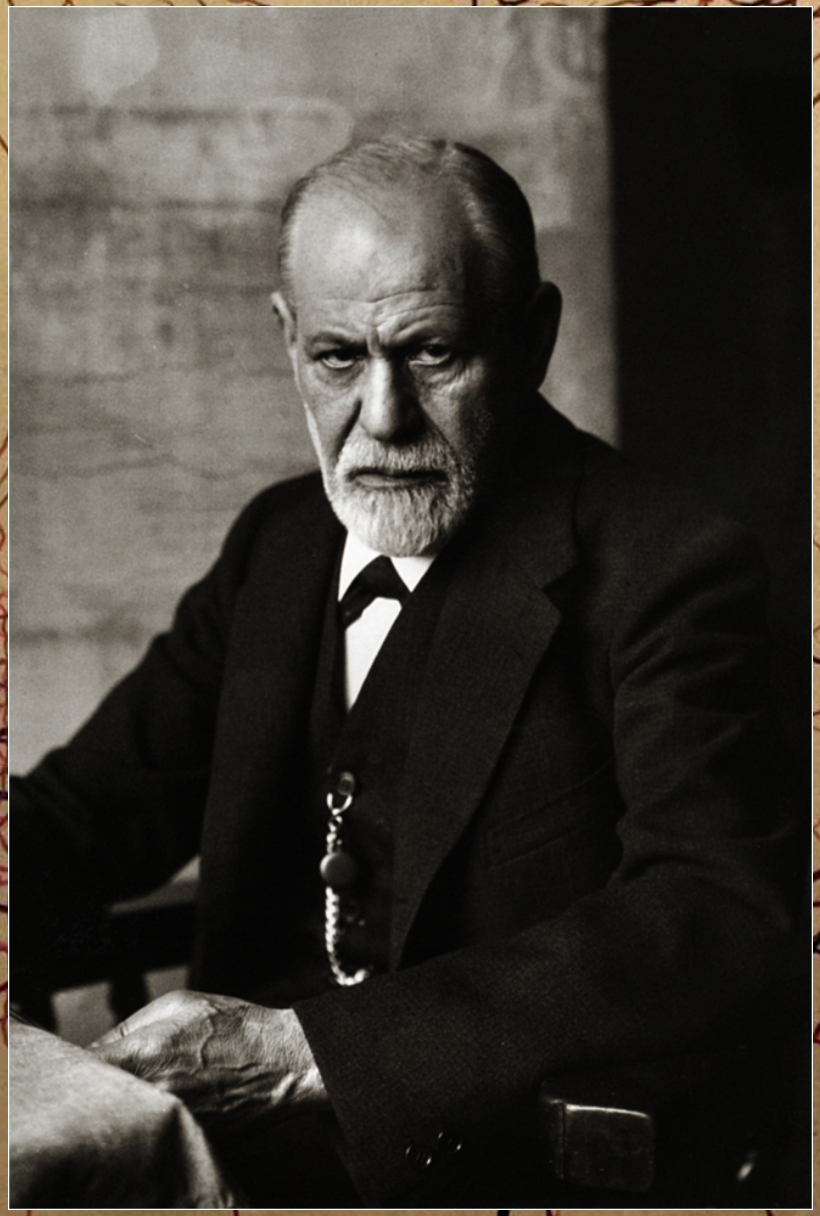




Seeking urge
Drive
Incentive salience
Reward



Russo, Nestler, 2013



Sigmund Freud

Pud má:

a) zdroj

b) energiu

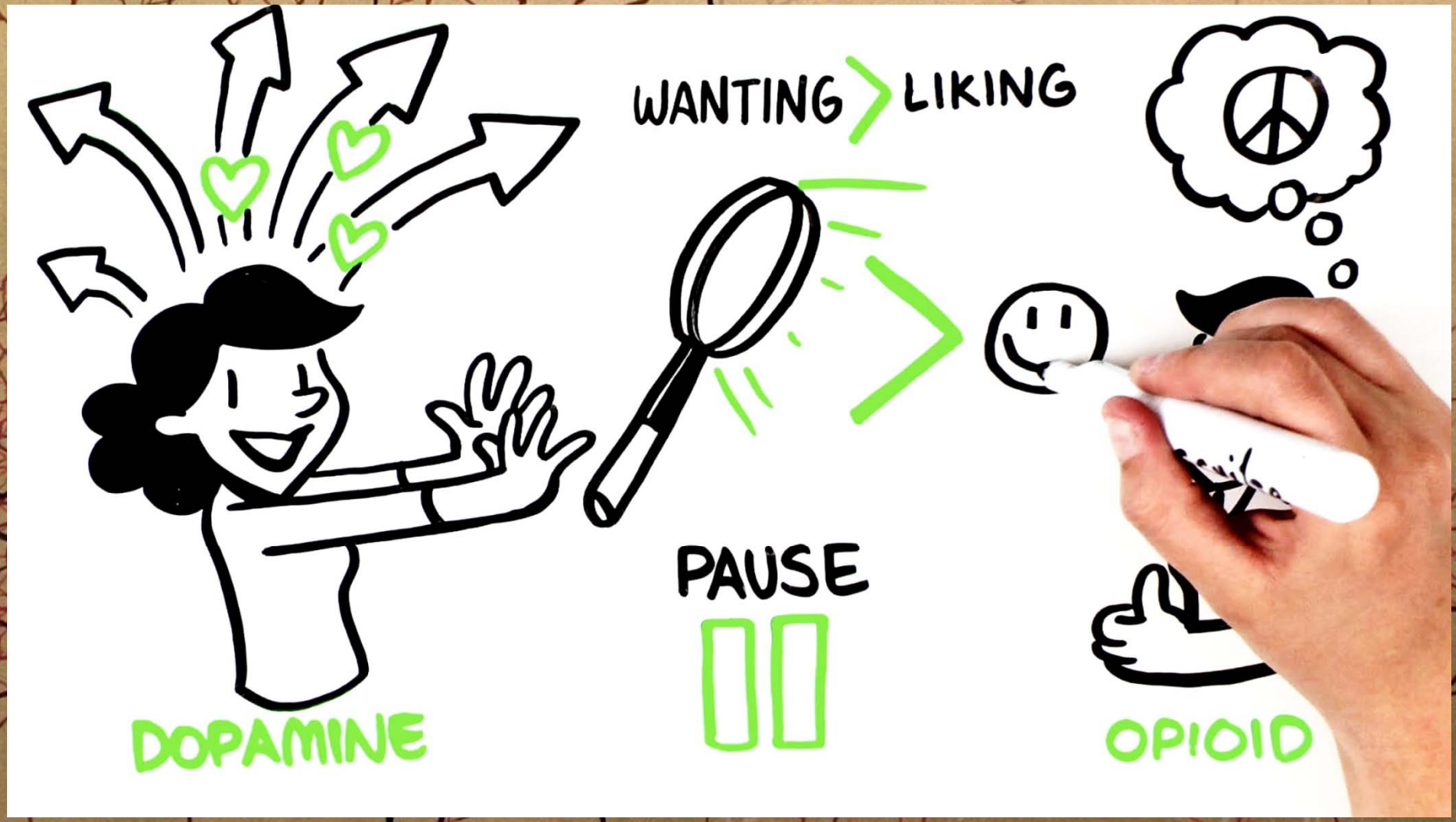
c) cieľ

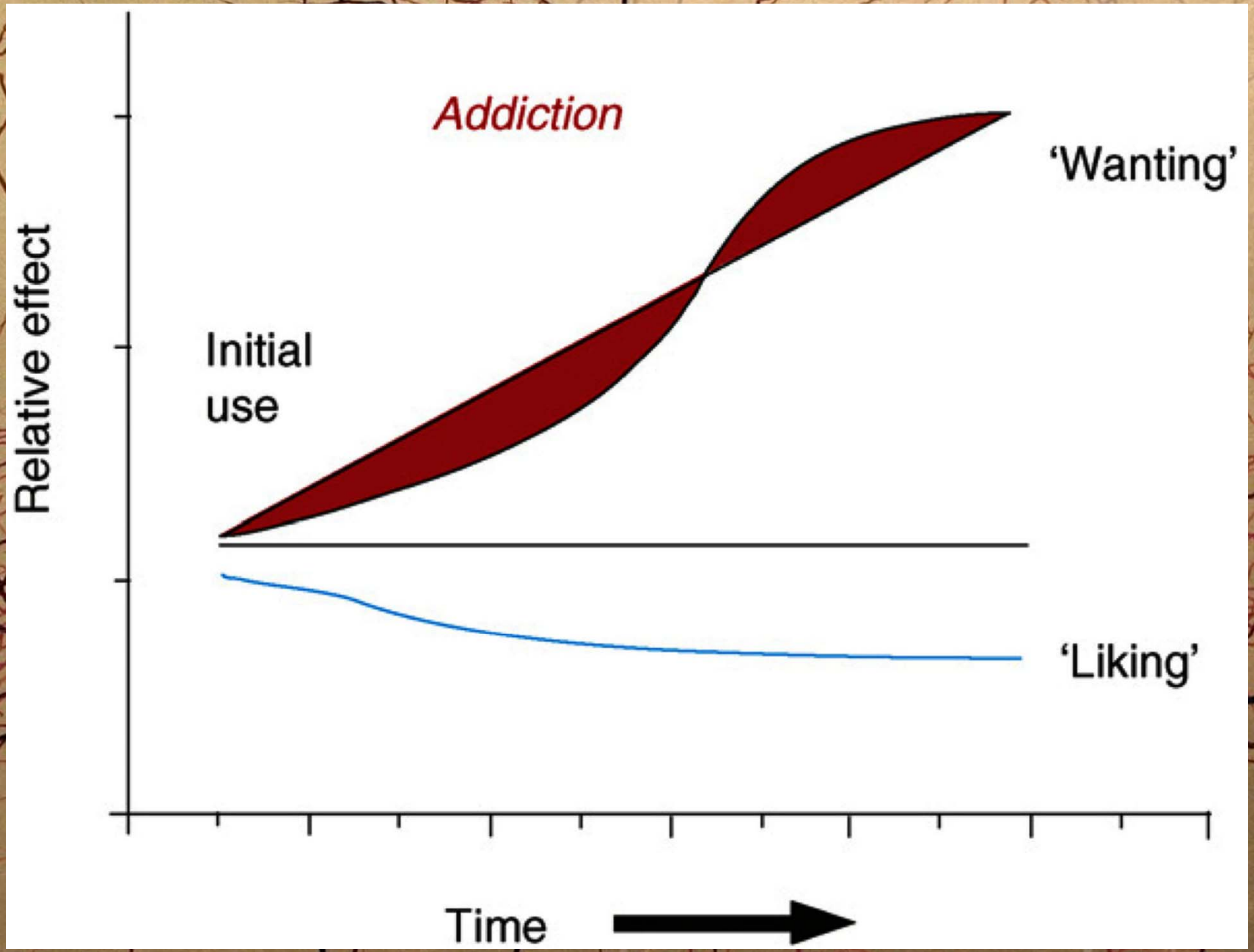
d) objekt



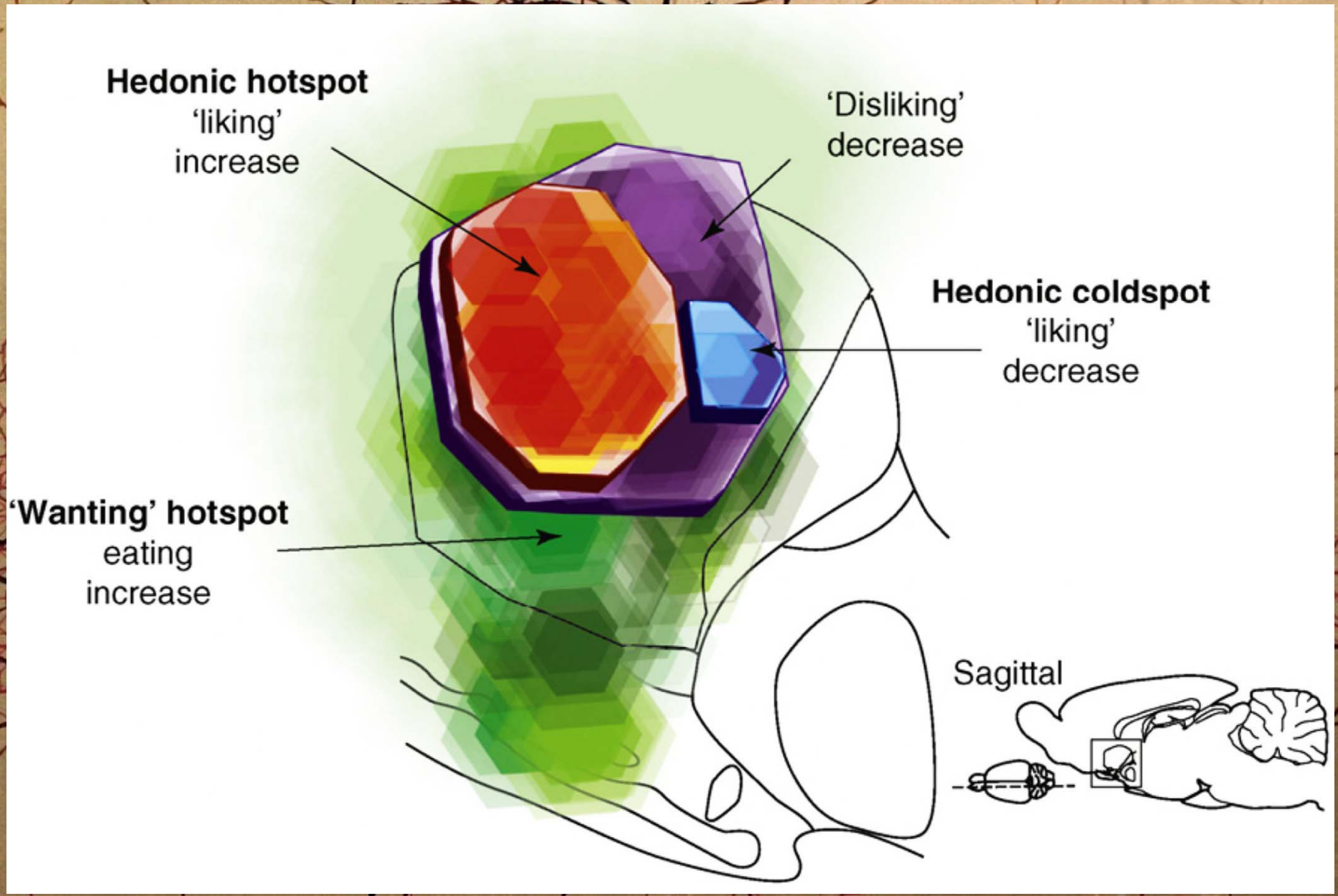
Incentive senzitization
Incentive salience
Incentive cues

Kent Berridge

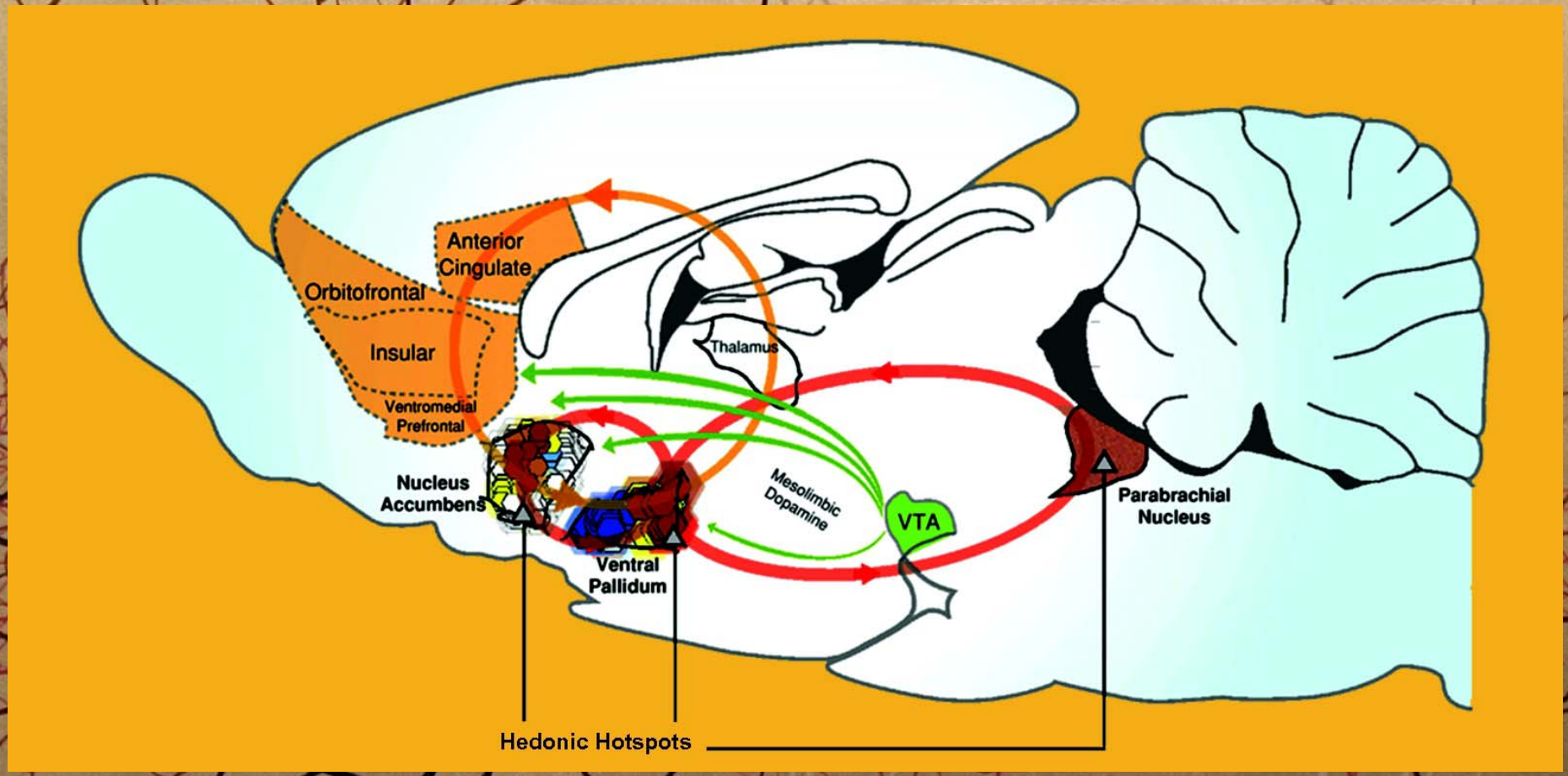

WANTING > LIKING
PAUSE
DOPAMINE
OPIOID

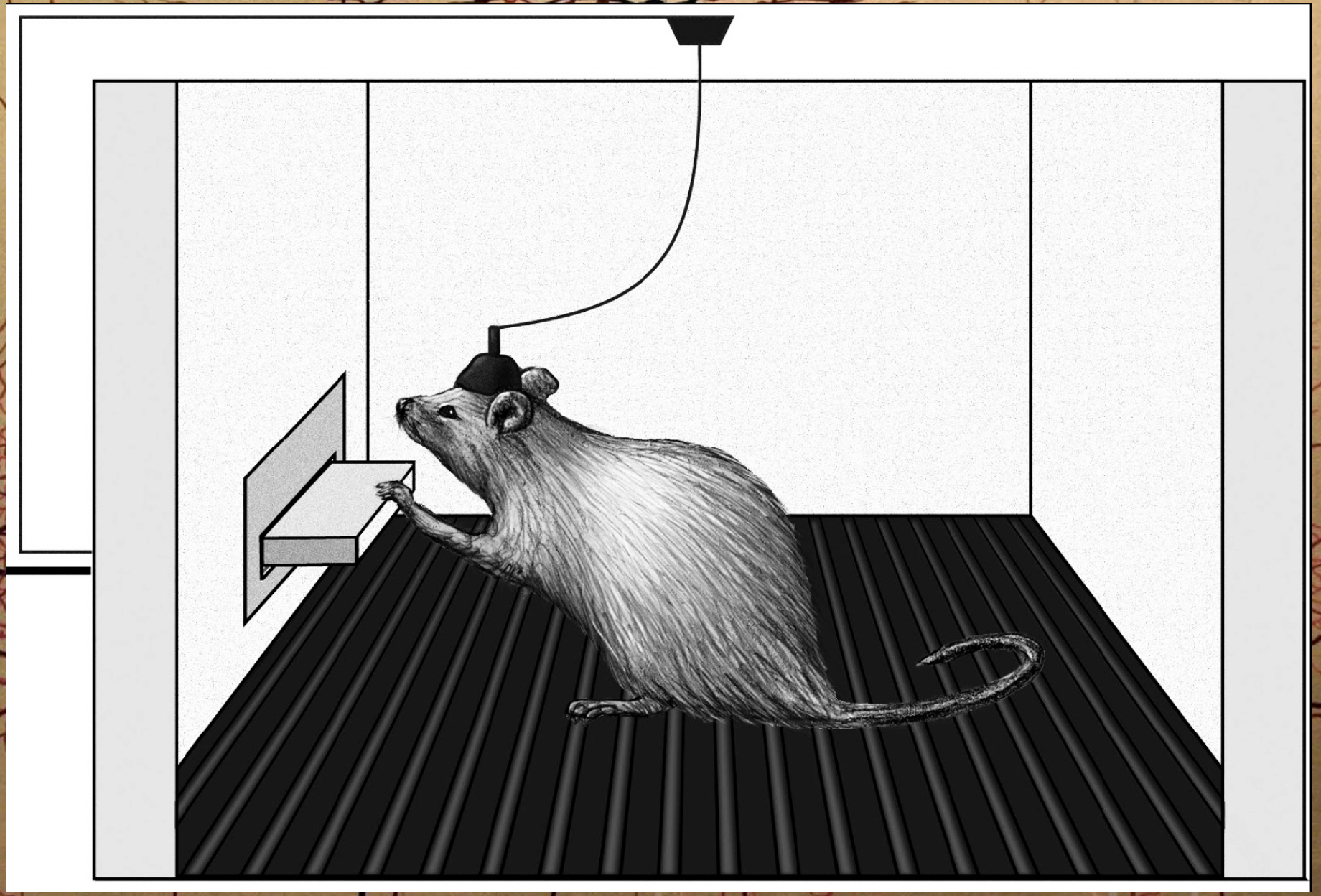


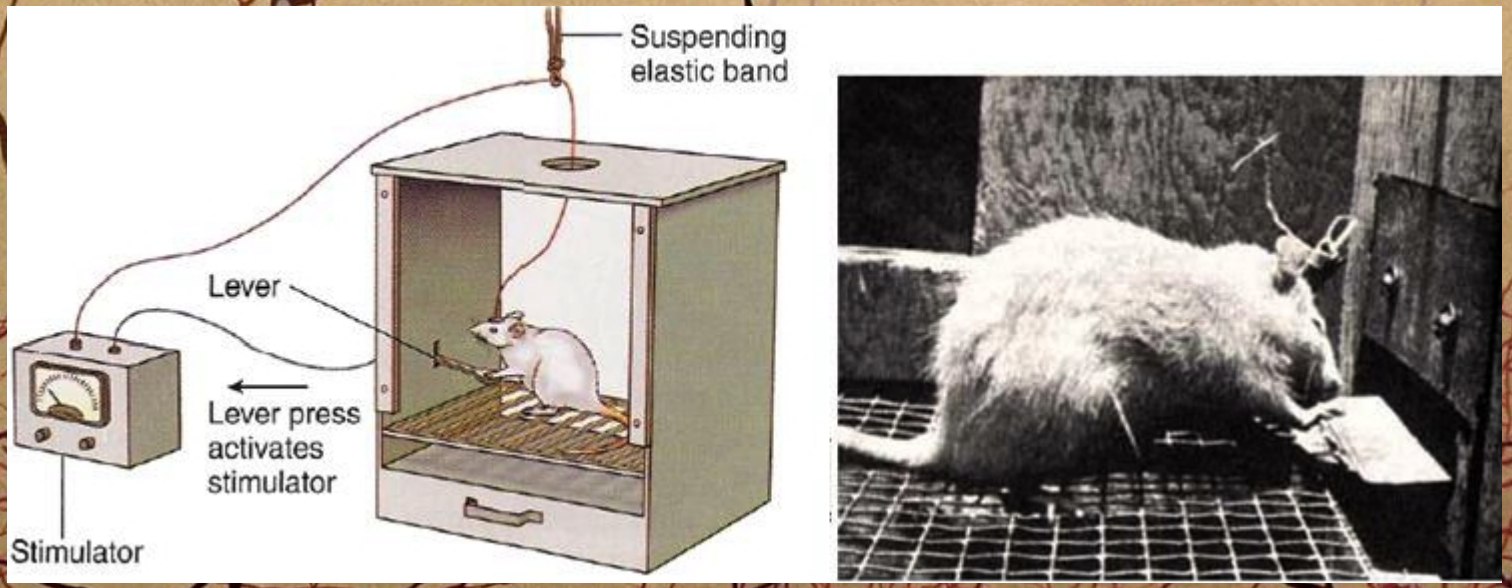
Berridge, Robinson, Aldridge, 2009

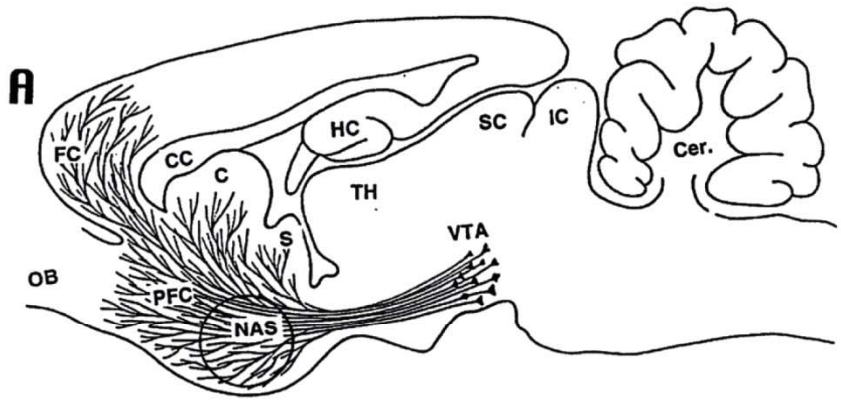


Berridge, Robinson, Aldridge, 2009

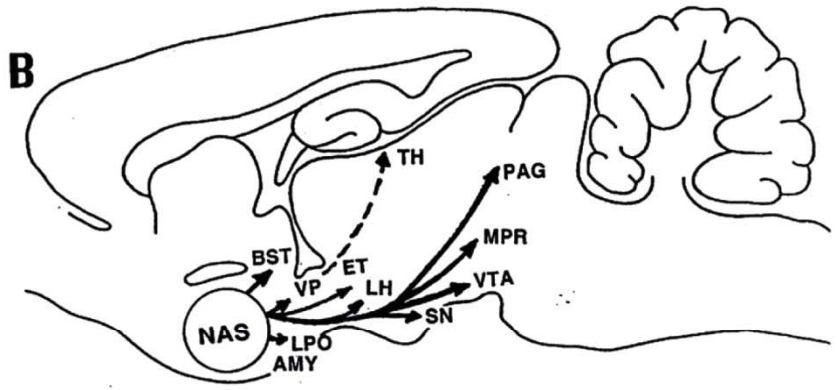

Anterior Cingulate
Orbitofrontal
Insular
Ventromedial Prefrontal
Thalamus
Nucleus Accumbens
Ventral Pallidum
Mesolimbic Dopamine
VTA
Parabrachial Nucleus
Hedonic Hotspots



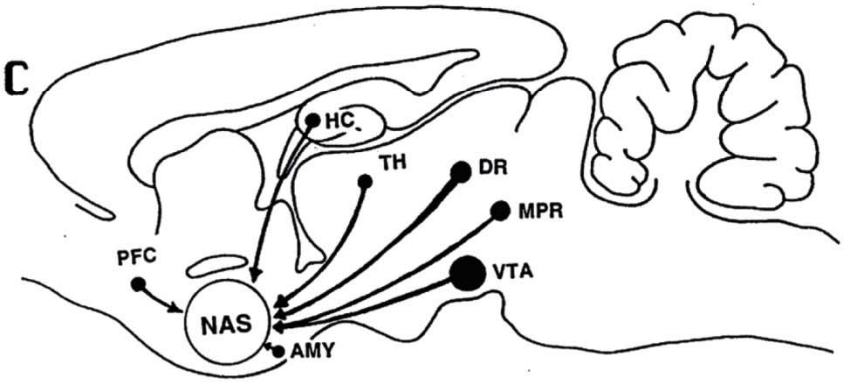

Suspending
elastic band
Lever
Lever press
activates
stimulator
Stimulator



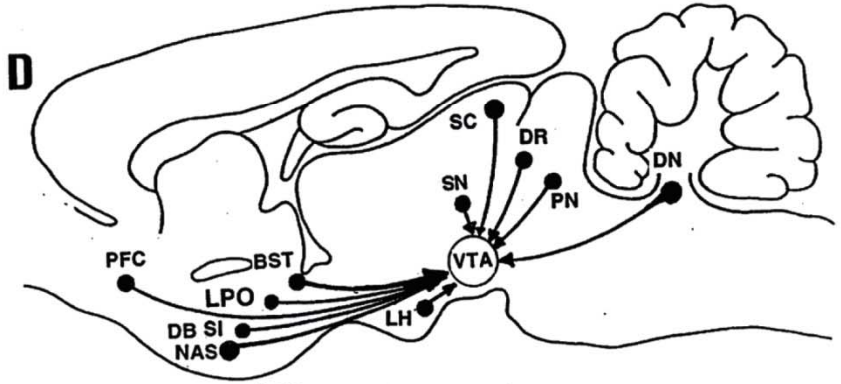
Mesolimbic/Mesocortical Dopamine System



Efferents from NAS

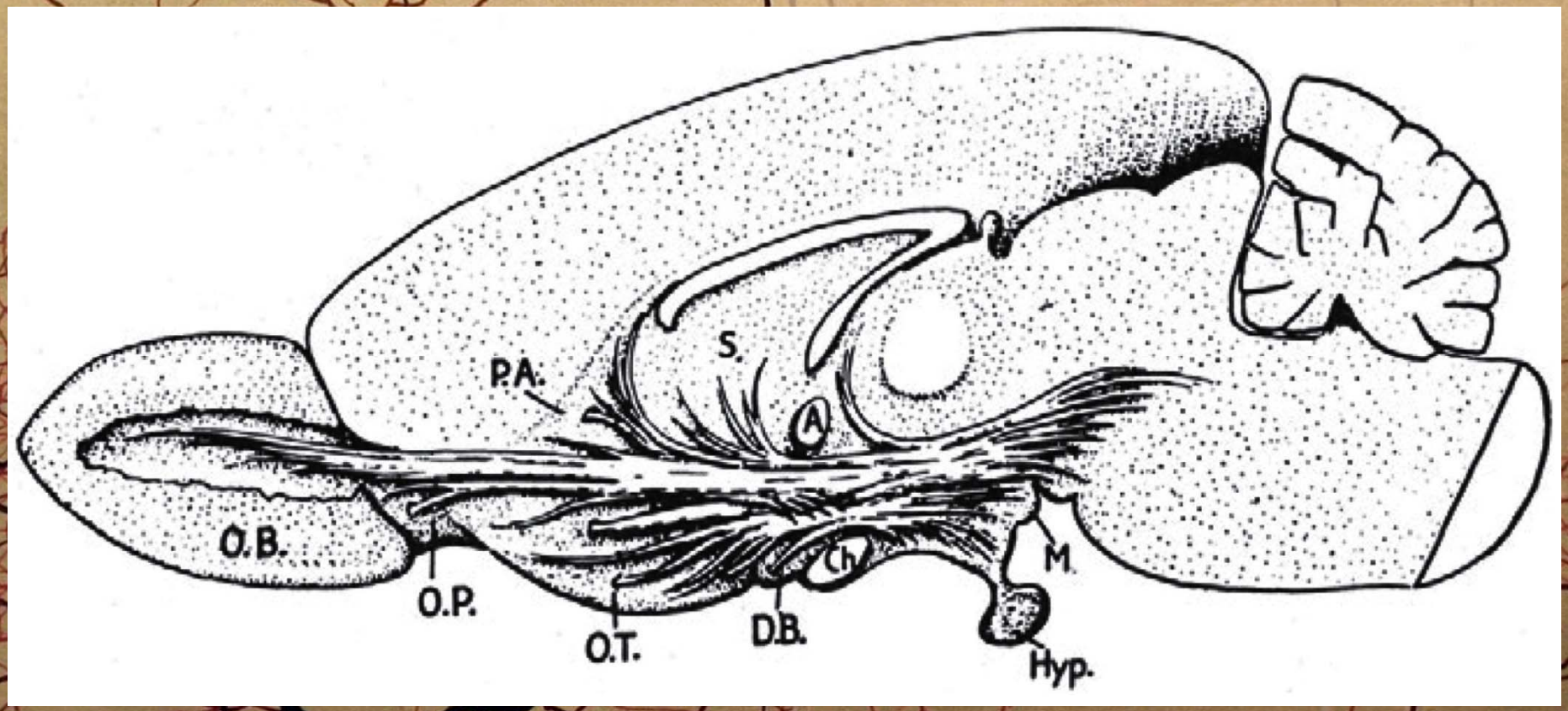


Afferents to NAS

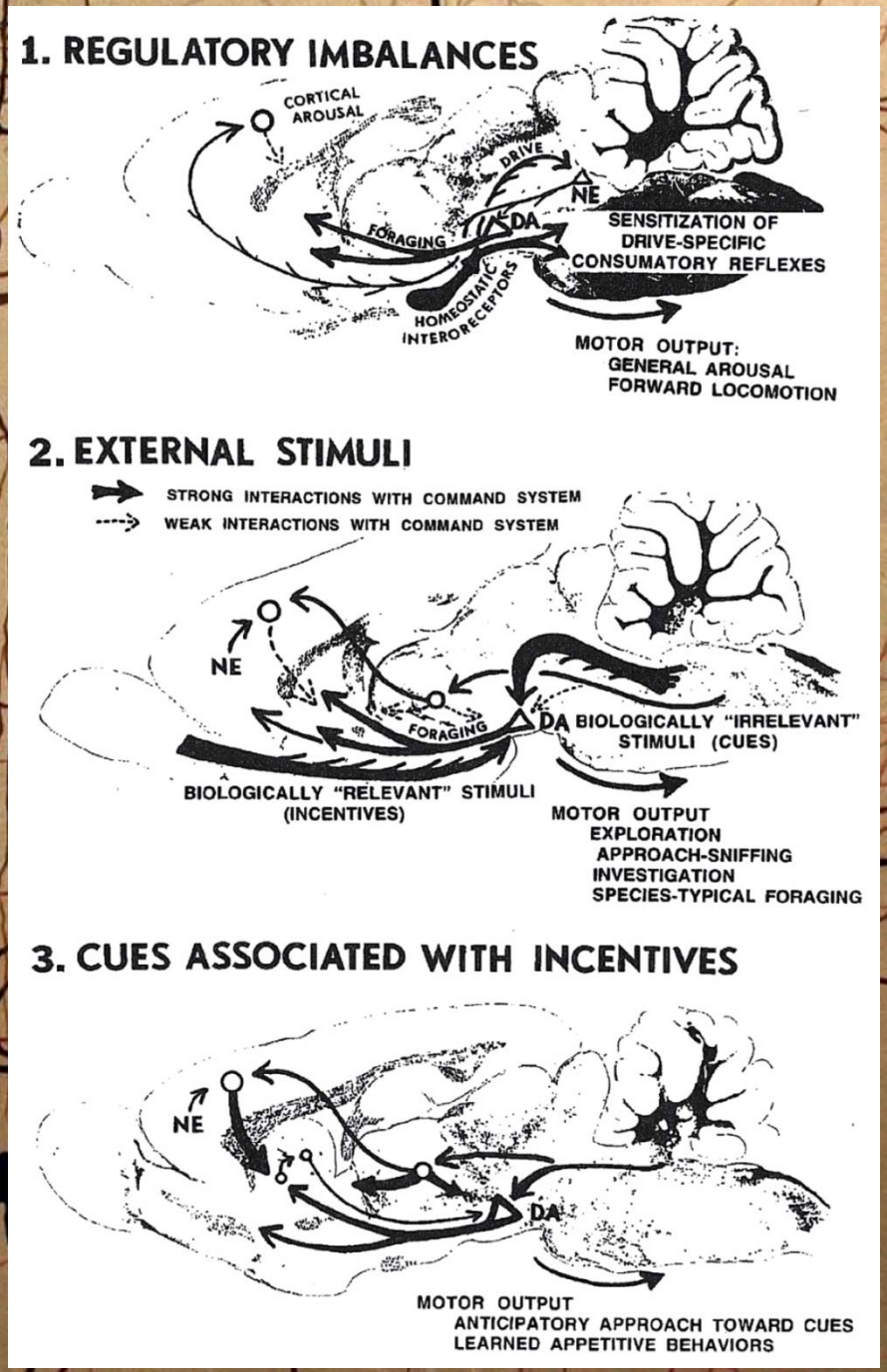


Afferents to VTA

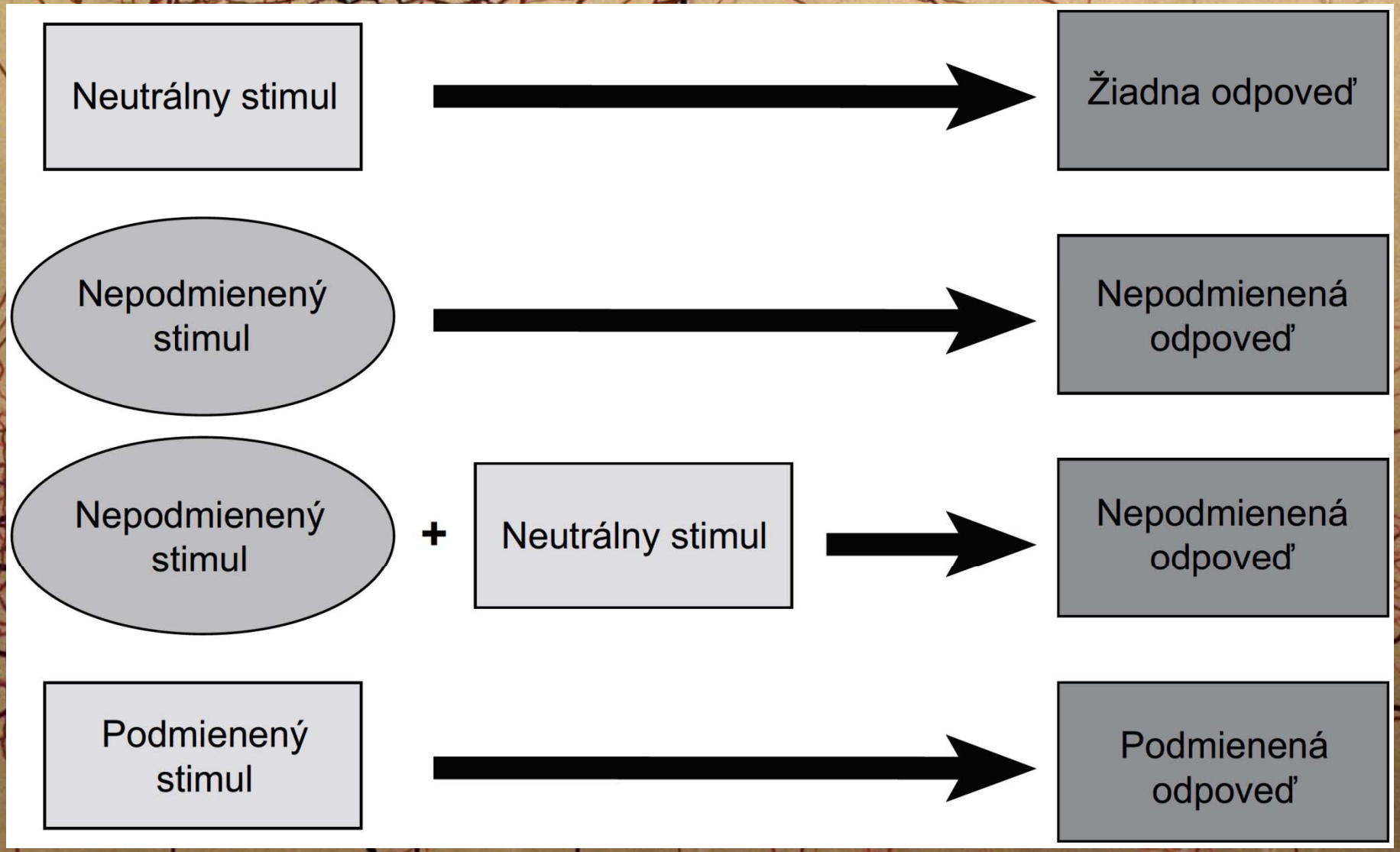
Ikemoto, Panksepp, 1999

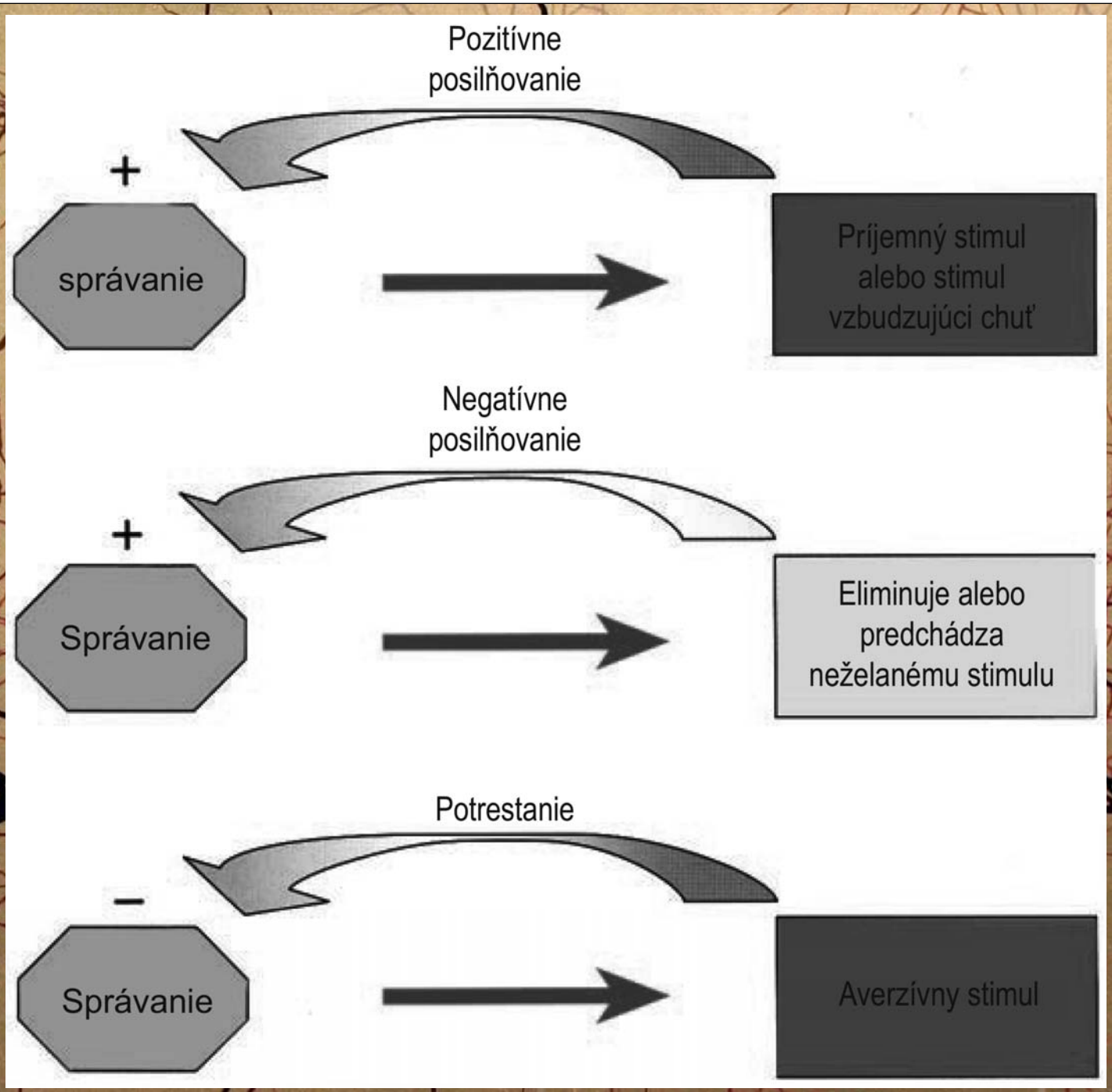


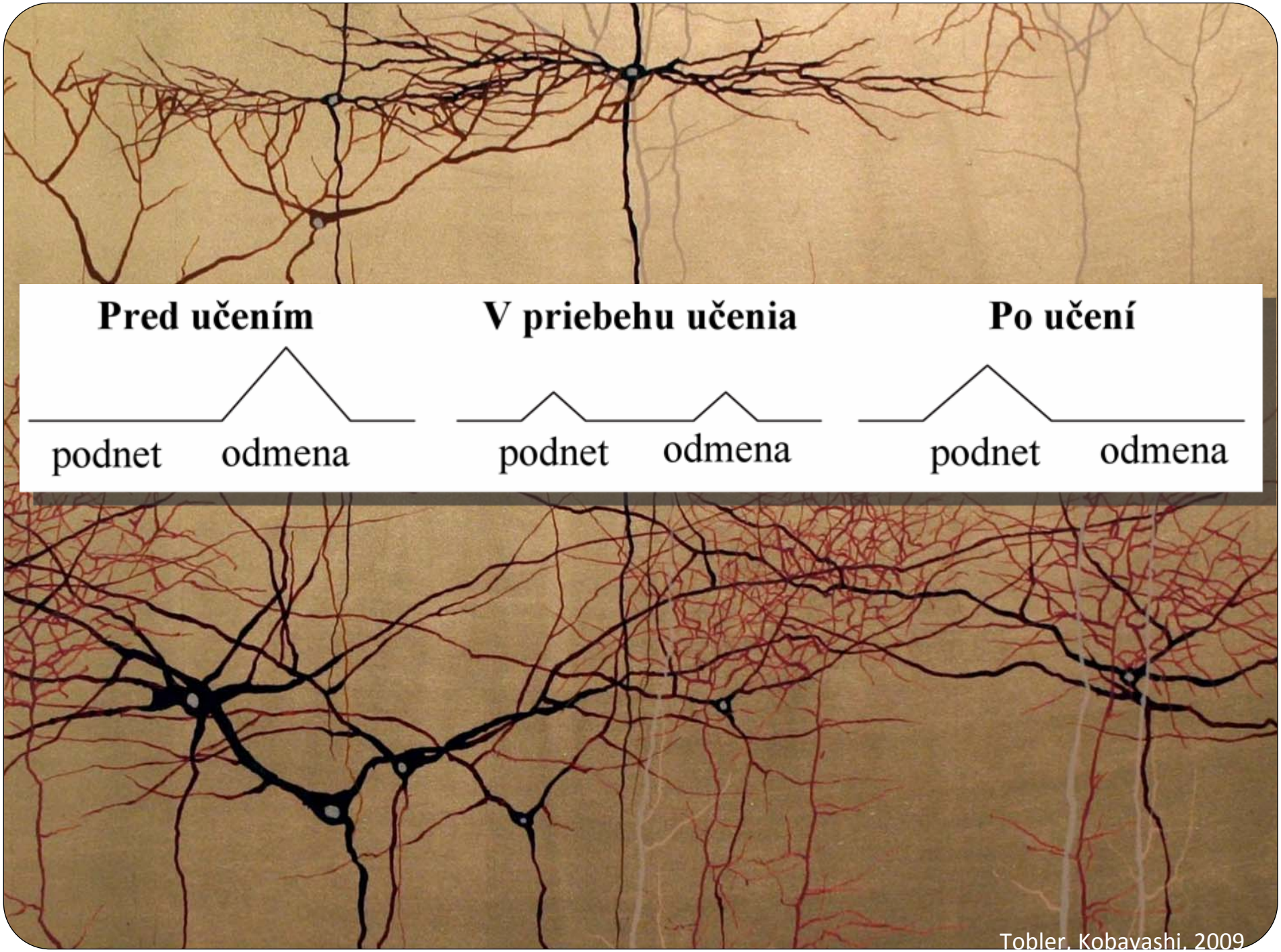
LeGros, Clark, 1938



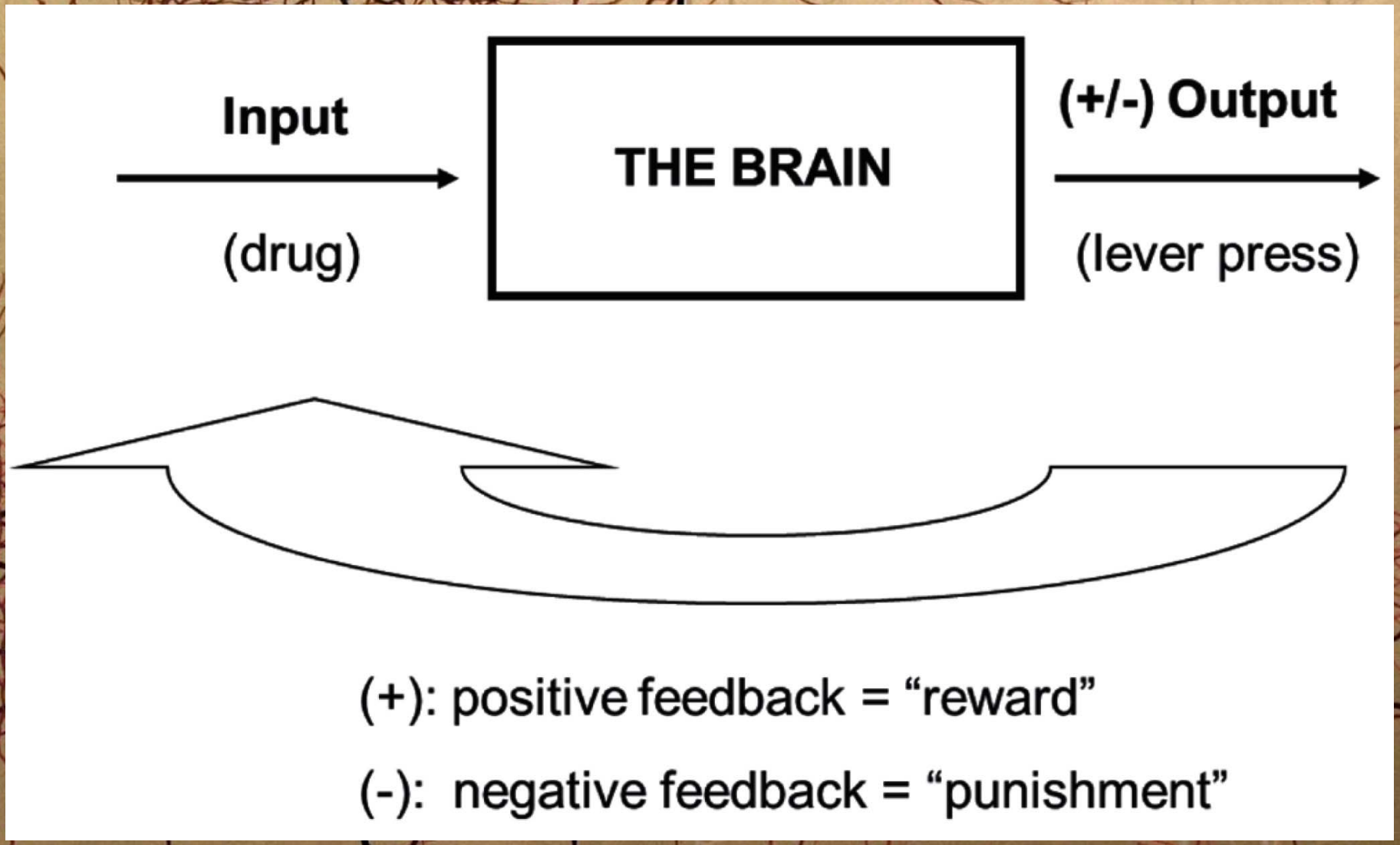
Wright, Panksepp, 2012


Neutrálny stimul
Žiadna odpoveď
Nepodmienený stimul
Nepodmienená odpoveď
Nepodmienený stimul
+
Neutrálny stimul
Nepodmienená odpoveď
Podmienený stimul
Podmienená odpoveď

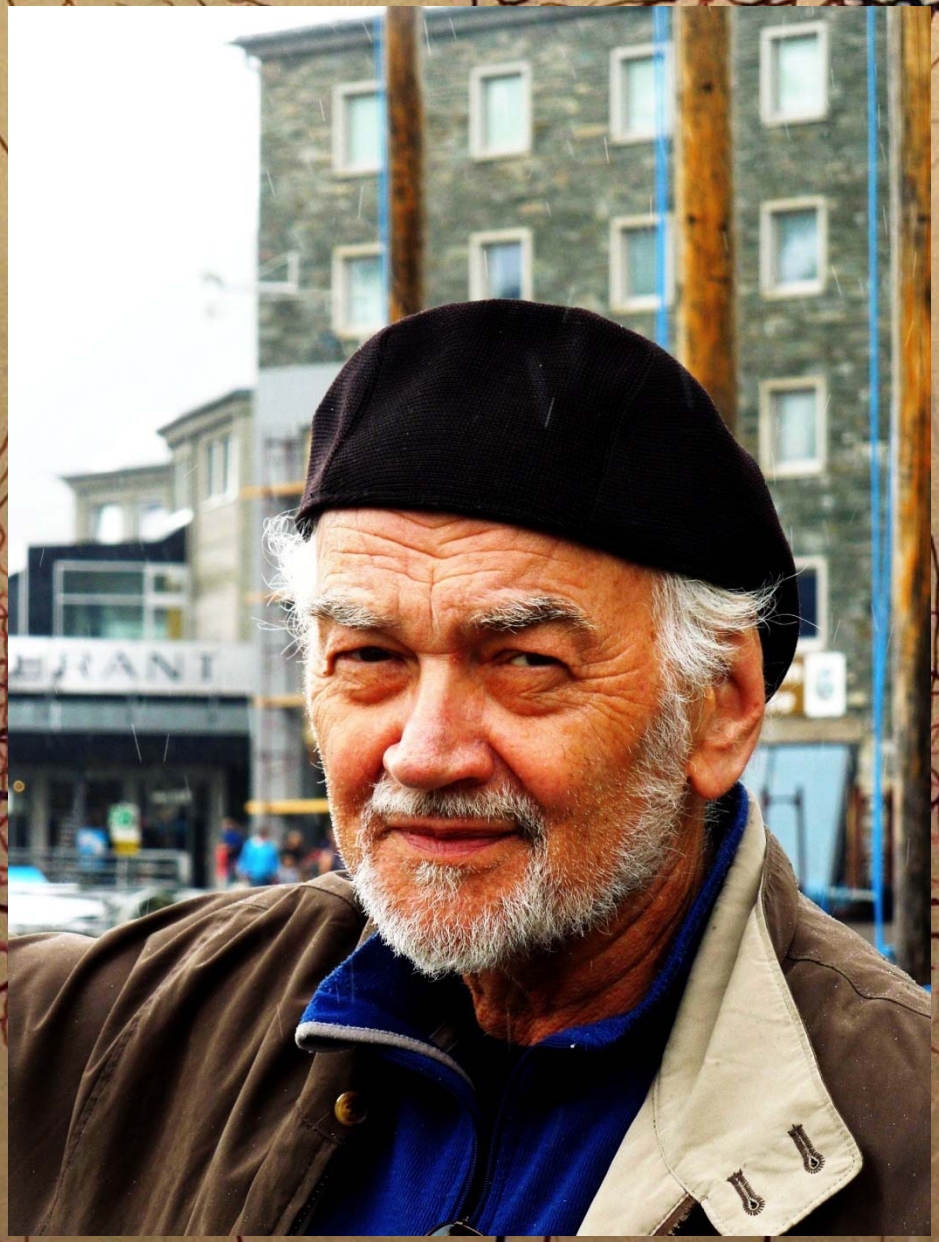

Pozitívne
posilňovanie
+
správanie
Príjemný stimul
alebo stimul
vzbudzujúci chuť
Negatívne
posilňovanie
+
Správanie
Eliminuje alebo
predchádza
neželanému stimulu
Potrestanie
–
Správanie
Averzívny stimul



Tobler, Kobayashi, 2009

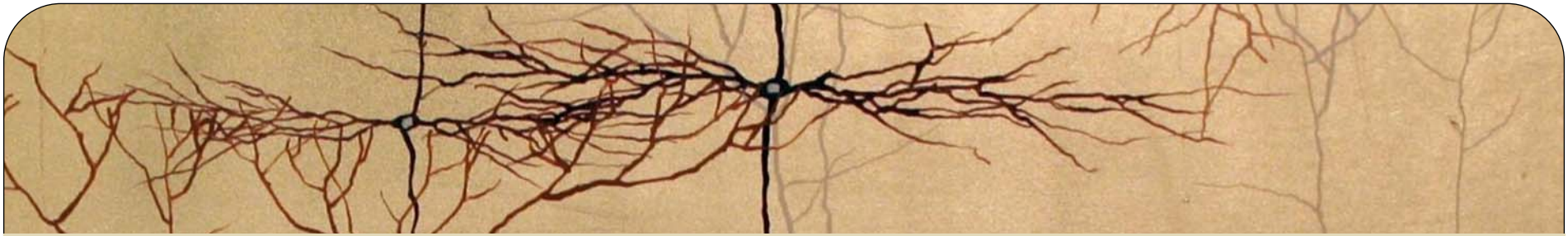


Wright, Panksepp, 2012



I. Generating.
II. Coupling.
III. Enacting.

Jaak Panksepp



Ďakujem za pozornosť

