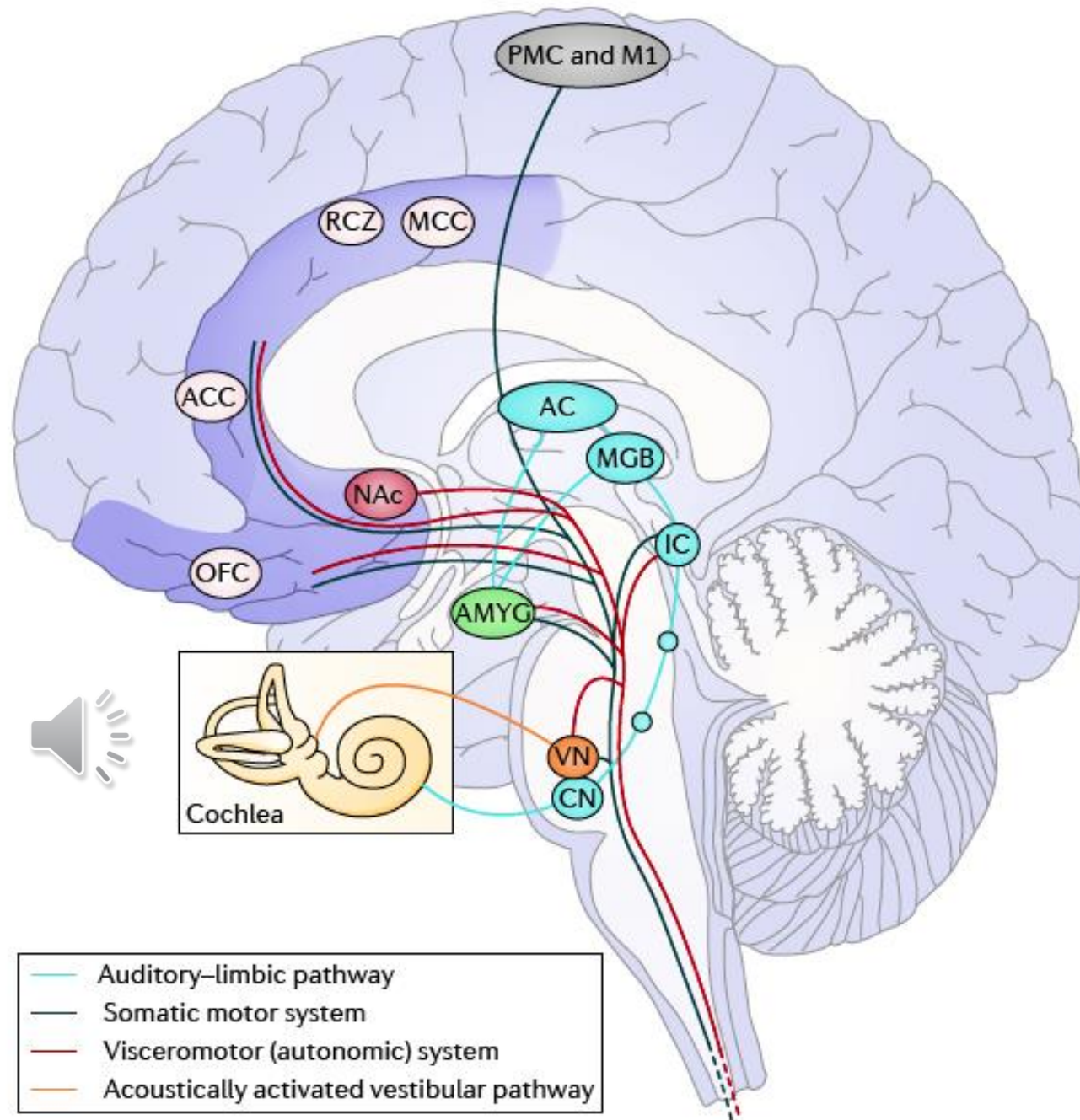
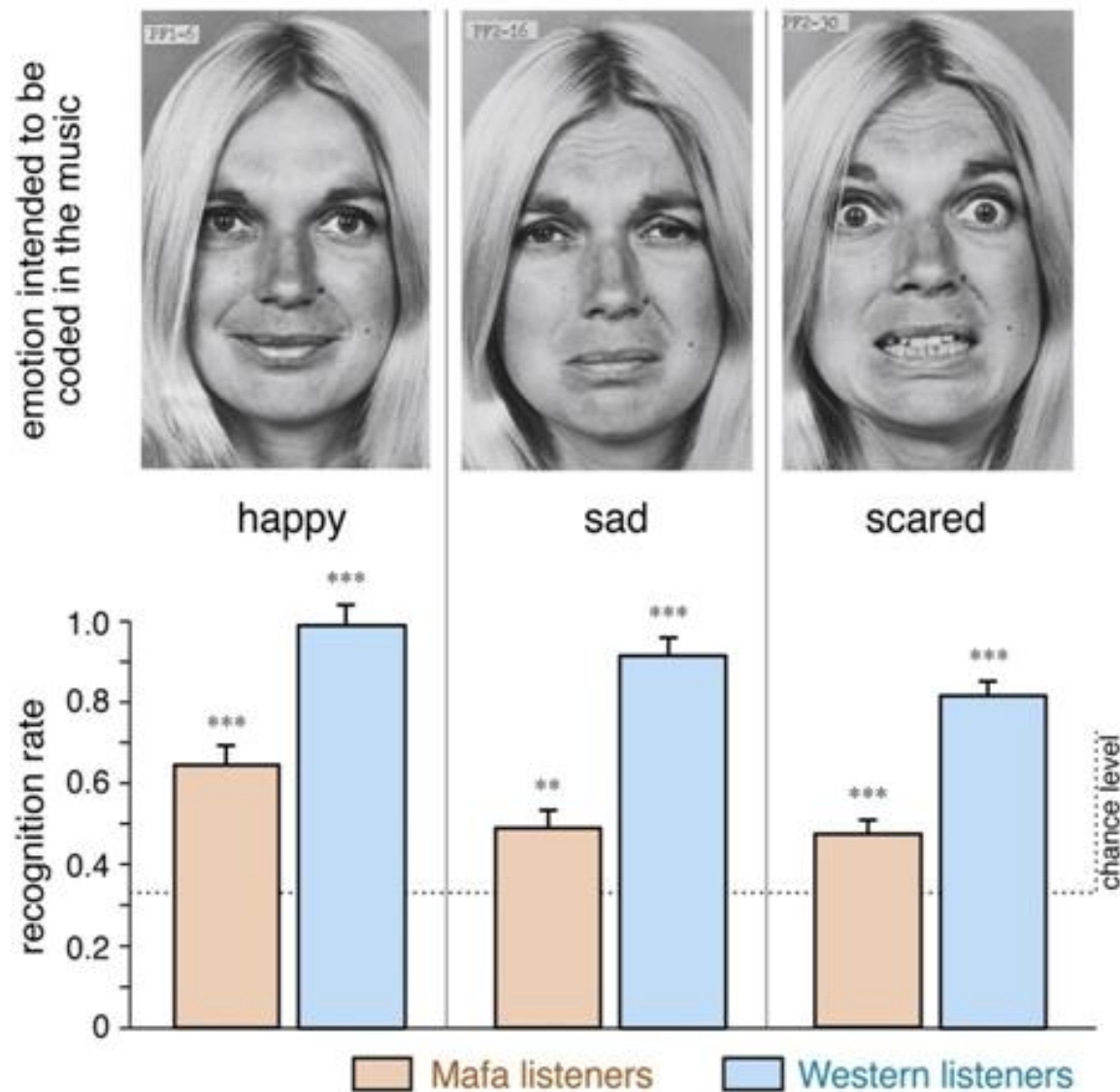


# How does music evoke emotions?

<b>emotion principles</b>	Evaluation ("appraisal")	Resonance	Memory	Intra-musical structure (tension)	Imagination ("creativity")	Understanding	Social functions, aesthetics
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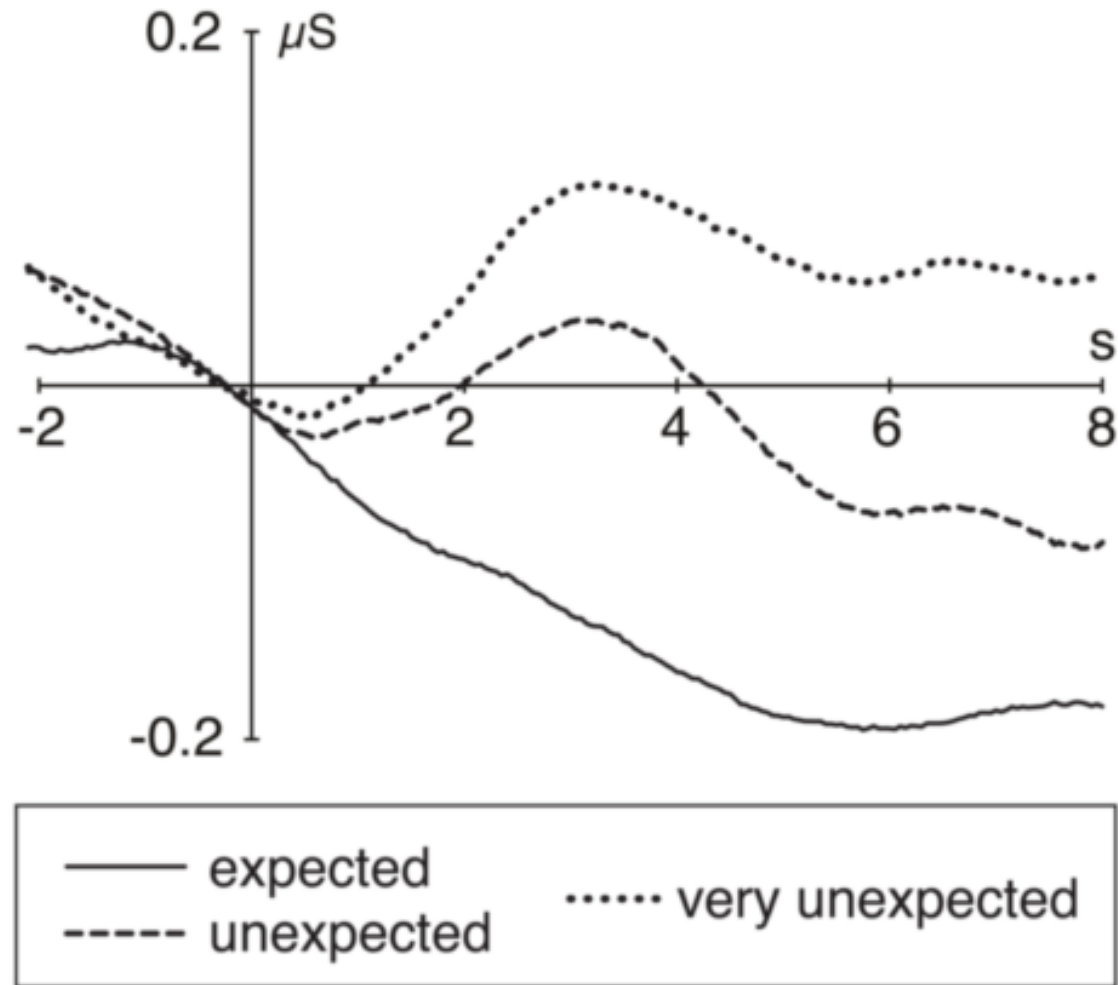


# Universal recognition of music-expressed emotion



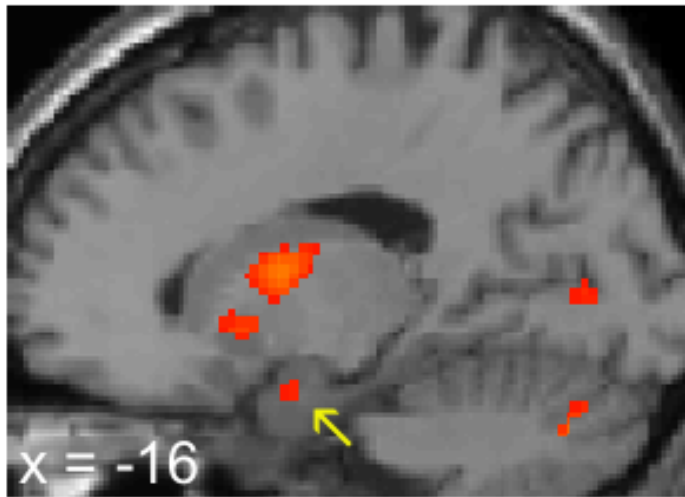
# Skin Conductance Response

(can change as an autonomic effect of emotional processes)

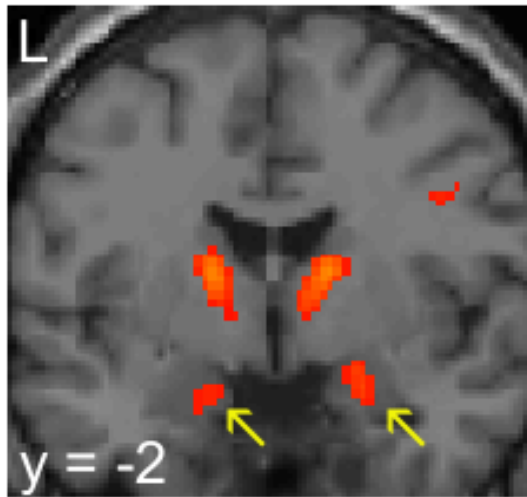


# Unexpected chords activate the amygdala

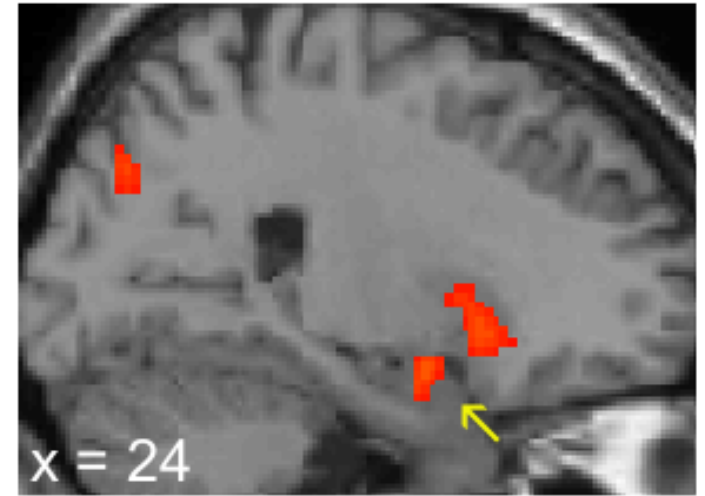
unexpected > expected



$p < .005$ , uncorr.



0 6

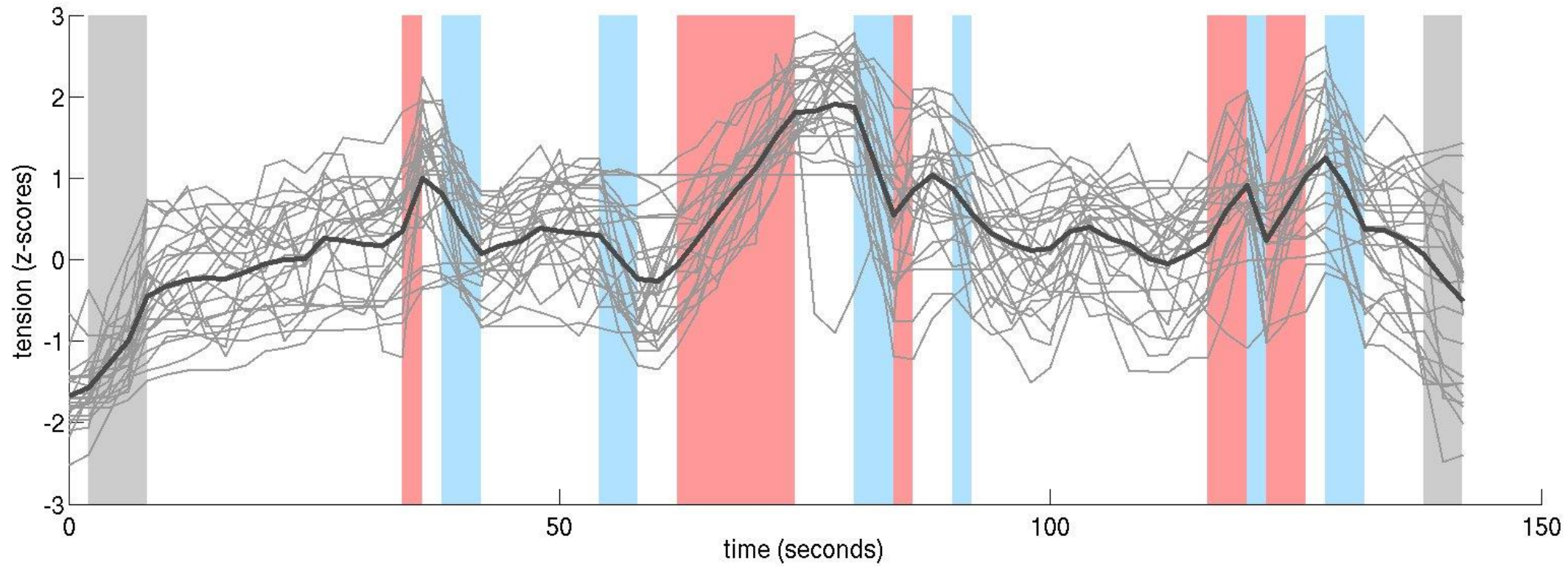


# tension-arc



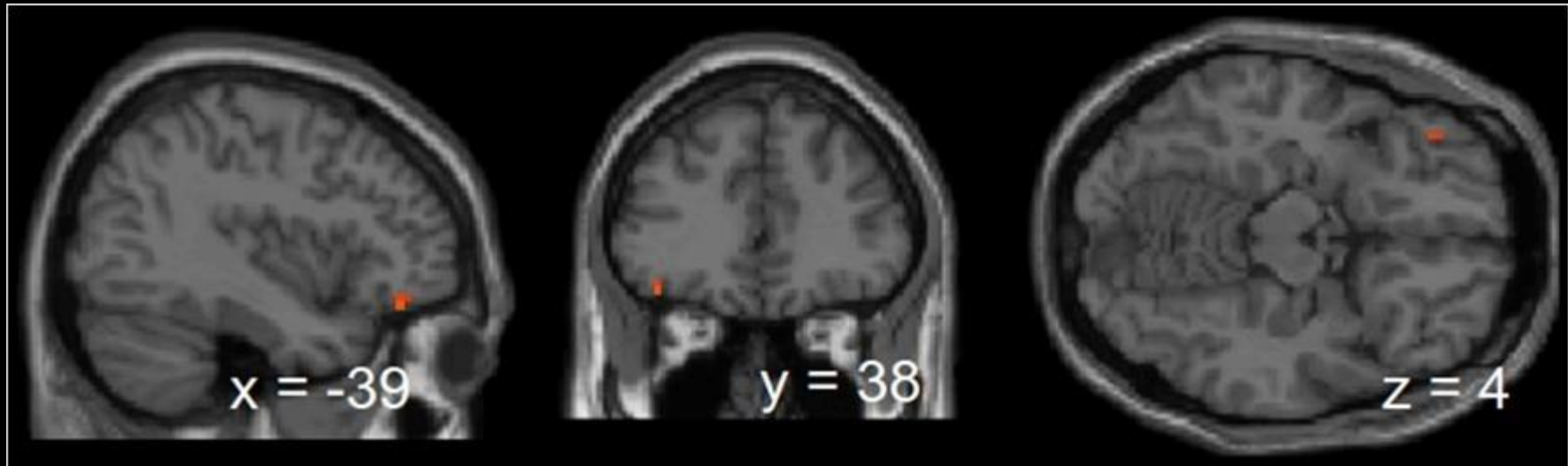
<b>Intra –mus. tension</b>	build up	stability	extent / entropy	breach	post-breach	resolution	large-scale
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Mendelssohn, Venetian Boat Song

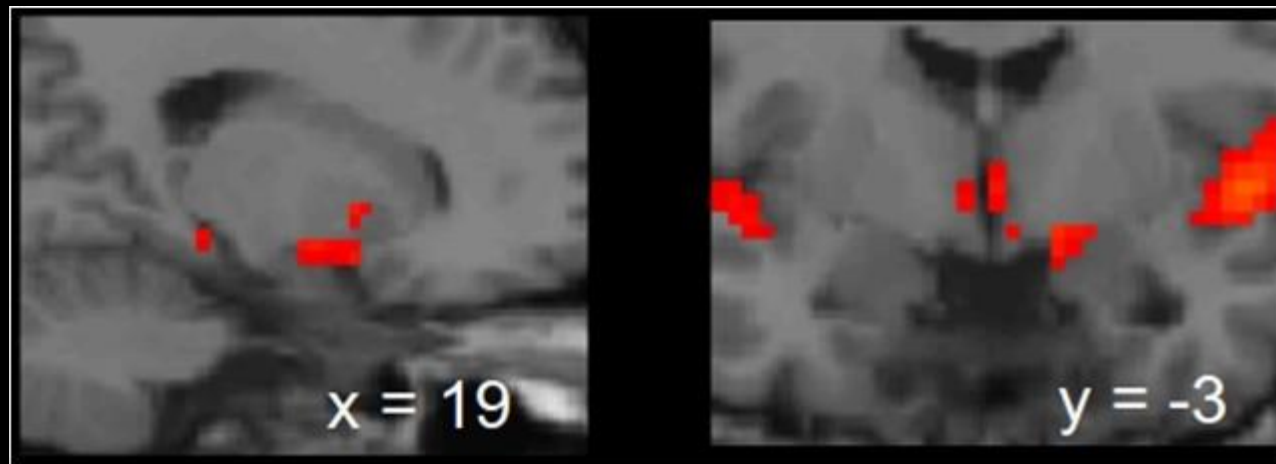




tension

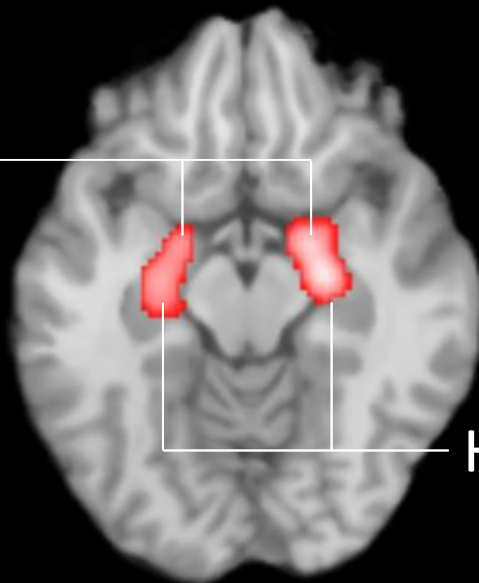


tension increase > tension decrease



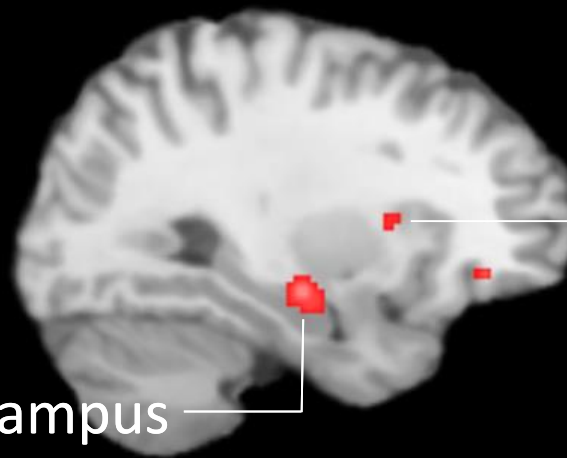


Amygdala

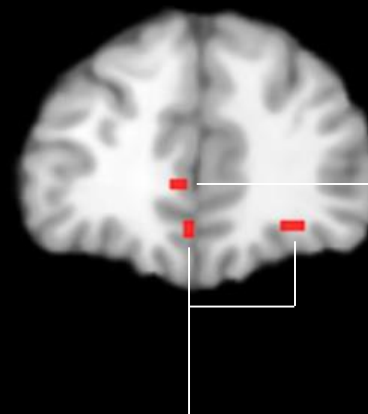


Hippocampus

Insula



Nucleus accumbens

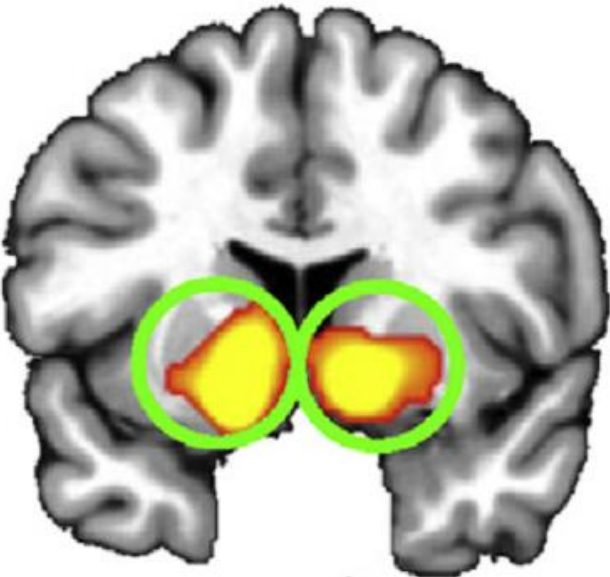


Orbitofrontal cortex

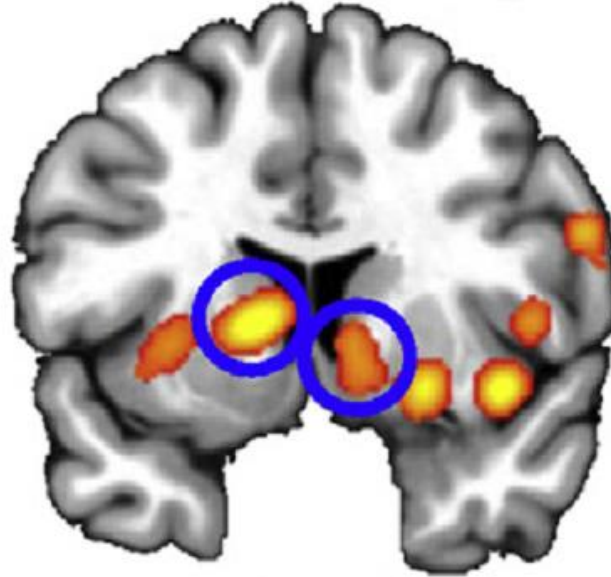
Cingulate cortex

## „Fun centre“

Monetary rewards



Food rewards



Erotic rewards

