

Table S2: functional magnetic imaging scan task information according to the form containing the first items from Poldrack et al.'s checklist adapted by Guo et al.

Category	Item No	Item Description	Reinforcement learning task	Cued Emotional Conflict task	Emotion regulation task
EXPERIMENTAL DESIGN - design specification	1a	Describe number of blocks, trials, experimental units per session or per subject		6 blocks of 24 trials (max. durations=248s)	24 'semi'-blocks of three similar trials: 3 attend sad, 3 attend fear, 3 attend happy, 3 attend neutral, 3 regulate sad, 3 regulate fear, 3 regulate happy, 3 regulate neutral blocks
	1b	State length of each trial and interval between trials		Each trial started with a cue presented for 500 ms. After the presentation of the cue, a fixed interval of 2000ms separated the presentation of the cue from the target.	Each picture was presented for 10 s, followed by an 'ISI' of max. 6 seconds (during which subjects rated their feelings; this interval ended as soon as the subject had finished the rating, i.e. was self-paced). After every third picture, subjects also rated how well they managed to perform during the previous block (also max. 6 seconds, self-paced), followed by a 4-seconds inter-block interval during which a fixation cross was presented.
	1c	If ISIs are variable, report the mean and range of ISIs and how they are distributed		The inter-trial interval was jittered between 3500 and 5500 ms (in 500 ms steps).	See description above.
	1d	<i>Block-Designs</i> : specify the length of blocks		NA	Each 'semi'-block had a duration of min. 30 s and max. 54 s.
	1e	<i>Event-related Designs</i> : state whether the design is optimized for efficiency, and if so, state how		Jittered inter-trial interval	
	1f	<i>Mixed designs</i> : state correlation between block and event regressors		NA	
EXPERIMENTAL DESIGN - task specification	2a	Instructions: state what subjects are asked to do	See supplement	See supplement	See supplement
	2b	Stimuli: describe what the Stimuli are and how many there are	What: see supplement; How many:	What: see supplement; How many: 12 for each cue per block	See supplement
	2c	Stimuli: state whether specific stimuli repeated across trials	See supplement	See supplement	See supplement
EXPERIMENTAL DESIGN - planned comparison	3	If the experiment has multiple conditions, state what the specific planned comparisons are, or whether an omnibus ANOVA test is used		Full factorial ANOVA, and opposite-sad vs. actual-sad, opposite-happy vs. actual-happy, and opposite-sad vs. opposite-happy contrasts.	Full factorial ANOVA
HUMAN SUBJECTS - ethics approval	5	State which Institutional Review Board (IRB) approved the protocol	See main text	See main text	See main text
HUMAN SUBJECTS - behavioral performance	6	State how behavioral performance was measured (e.g., response time, accuracy)	Intensity-, wanting- and liking-ratings for both tastes on a visual analogue scale directly before and after the task	Response time and accuracy for face label assignments.	See supplement
DATA ACQUISITION - image properties	7a	Describe manufacturer, field strength (in Tesla), model name	See main text	See main text	See main text
	7b	State the number of experimental sessions and volumes acquired per session	Number of dynamics=1125	Six sessions with max. number of dynamics=120	Two sessions with max. number of dynamics=407
	7c	State pulse sequence type (gradient/spin echo, EPI/spiral)	EPI	EPI	EPI
	7d	State field of view, matrix size, slice thickness, inter-slice skip	FOV=240×240×82.2mm; slice thickness=3mm; act. slice gap=0.3mm; acquired matrix=80×80	FOV=240×240×121.8mm; slice thickness=3mm; act. slice gap=0.3mm; acquired matrix=80×80	FOV=240×240×121.8mm; slice thickness=3mm; act. slice gap=0.3mm; acquired matrix=80×80
	7e	State acquisition orientation (axial, sagittal, coronal, oblique; if axials co-planar with AC-PC, the volume coverage in terms of Z in mm)	Slice orientation=transverse/axial	Slice orientation=transverse/axial	Slice orientation=transverse/axial
	7f	State clearly whether it is on the whole brain. If not, state area of acquisition	Angulated field of view from lower edge pons and lower end prefrontal cortex, 25 slices up to usually the top of the dorsal anterior cingulate cortex.	Whole brain, 37 slices.	Whole brain, 37 slices.
	7g	State order of acquisition of slices (sequential or interleaved)	Sequential, ascending	Sequential, ascending	Sequential, ascending
	7h	State TE, TR, flip angle	TE=28ms; TR=1500ms; FA=70°	TE=28ms; TR=2000ms; FA=76°	TE=28ms; TR=2000ms; FA=76°

Items 4 and >7 are not applicable because the present manuscript described the study protocol.

Abbreviations: ISIs, inter-stimulus intervals; ANOVA, analysis of variance; EPI, Echo Planar Imaging; FOV, field of view; TE, echo time; TR, repetition time; MRI, magnetic resonance imaging; MNI, Montreal Neurological Institute space; DCT, discrete cosine transform; CC, cubic centimeter; FWE, family-wise error; impulse response FDR, false discovery rate; FWHM, full-width at half-maximum; RESEL, resolution element; ROI, region of interest; FIR, finite