

Supplementary 1

Complete list of included studies

- Albein-Urios, N., Verdejo-Román, J., Asensio, S., Soriano-Mas, C., Martínez-González, J. M., & Verdejo-García, A. (2014). Re-appraisal of negative emotions in cocaine dependence: Dysfunctional corticolimbic activation and connectivity. *Addiction Biology*, 19, 415–426. doi:10.1111/j.1369-1600.2012.00497.x
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First author	Year	Population	n	Analysis space	vIPFC	dIPFC	amygdala	dACC	parietal	SMA/PM
Mood disorders										
Beauregard	2006	MDD	12	MNI	-	-	26/-6/-14	4/17/19	-	-
Johnstone	2007	MDD	21	TAL	-47/24/0	32/46/25	-	-	-	-
Heller	2009	MDD	27	-	-	-	-	-	-	-
Erk	2010	MDD	17	MNI	-	36/44/28	-	-	-	-
Dillon	2013	MDD	12	-	-	-	-	-	-	-
Wang	2014	MDD	12	TAL	-48/20/-4	-	-20/-2/-16	-	-	-
Greening	2014	MDD	19	MNI	-	-	-	-	29/-51,53	-47/-1/43
Kanske	2012	rMDD	23	MNI	-	-	-15/-1/-14	-	-	-
Smoski	2013	rMDD	18	MNI	-	-	-	-	-	42/10/50
Morris	2012	BD	13	MNI	40/42/-10	-	-	-	-	-
Townsend	2013	BD	30	MNI	-32/26/-2 38/38/-8	-44/38/20 50/38/8	-	-12/8/34	64/-20/24 44/-36/52	26/-18/60
Kanske	2015	BD	22	MNI	-	-	-15/-4/-17 21/5/-26	-	-	-
Anxiety disorders										
New	2009	PTSD	14	MNI	-	-44/8/48	-	-	-	-6/15/52
Rabinak	2014	PTSD	21	MNI	-	-44/16/26	-	-	-	-
Blair	2012	GAD	17	MNI	-	-	-	-5/12/35	20/-75/50	-
Blair	2012	GAD/SAD	17	MNI	-	-	-	-5/12/35	20/-75/50	-
Manber-Ball	2013	GAD	23	TAL	-	34/7/28	-	-	-	-38/3/32
Manber-Ball	2013	PD	18	TAL	-	34/7/28	-	-	-	-38/3/32
Reinecke	2015	PD	18	MNI	48/56/-2	-	-	-	-	-
Goldin	2009a	SAD	15	TAL	-	21/49/29	-	10/-6/46	21/-65/63 -21/-48/70 -41/-37/50	58/4/36 -24/-10/46
Goldin	2009b	SAD	27	TAL	55/21/-2 -34/28/-2	52/25/22	-	3/14/29	55/-58/32 -38/-65/53	0/21/63
Blair	2012	SAD	19	MNI	-	-	-	-5/12/35	20/-75/50	-
Ziv	2013	SAD	27	TAL	-31/52/-6	-	-	0/18/33	-	-
Gaebler	2014	SAD	21	-	-	-	-	-	-	-
Other disorders										
Albein-	2014	CUD	17	MNI	64/2/8	-36/44/22	-	-	-	-

Urios					-56/8/6					
Morris	2012	Sz	12	MNI	50/26/6	-22/30/46	-	-	-	-
van der Meer	2014	Sz	20	MNI	-38/22/-10	-	-	-	-38/-66/26	-
Koenigsberg	2009	BPD	18	MNI	-	-	30/6/-22	-4/30/36	30/-52/44	-
									-40/-50/54	
Schulze	2011	BPD	15	MNI	-48/28/-6	-36/16/52	-	-	50/-54/22	30/-16/68
										-28/-22/72
Lang	2012	BPD	14	-	-	-	-	-	-	-
Denny	2015	AvPD	17	-	-	-	-	-	-	-

Supplementary table 1.

Reported coordinates for group differences during downregulation of emotion reported by fMRI studies.

All brain regions from table 2 are listed. The n reported is the number of participants in the patient group.

Abbreviations: MNI = Montreal Neurological Institute, TAL = Talairach

vIPFC = ventrolateral prefrontal cortex, dlPFC = dorsolateral prefrontal cortex, dACC = dorsal anterior cingulate, SMA = supplementary motor area, PM = premotor cortex

MDD = Major Depressive Disorder, rMDD = remitted Major Depressive Disorder, BD = Bipolar Disorder, PTSD = Posttraumatic Stress Disorder, GAD = Generalized Anxiety Disorder, SAD = Social Anxiety Disorder, PD = Panic Disorder, OCD = Obsessive Compulsive Disorder, CUD = Cocaine use Disorder, ND = Nicotine Dependence, Sz = Schizophrenia, BPD = Borderline Personality Disorder, AvPD = Avoidant Personality Disorder

First author	Year	Population	n	Analysis space	vIPFC	dIPFC	amygdala	dACC	parietal	SMA/PM
Mood disorders										
Beauregard	2006	MDD	12	-	-	-	-	-	-	-
Johnstone	2007	MDD	21	-	-	-	-	-	-	-
Heller	2009	MDD	27	-	-	-	-	-	-	-
Dillon	2013	MDD	12	-	-	-	-	-	-	-
Wang	2014	MDD	12	TAL	-48/20/-4	-	-20/-2/-16	-	-	-
Greening	2014	MDD	19	-	-	-	-	-	-	-
Morris	2012	BD	13	MNI	40/40/-10	peak in vIPFC	-	10/46/18	-	-
Kanske	2015	BD	22	-	-	-	-	-	-	-
Anxiety disorders										
New	2009	PTSD	14	MNI	-	-	-	-	-	-6/15/52
Blair	2012	GAD	17	MNI	-	-	-	-5/12/35	-	-
Blair	2012	GAD/SAD	17	MNI	-	-	-	-5/12/35	-	-
Blair	2012	SAD	19	MNI	-	-	-	-5/12/35	-	-
Gaebler	2014	SAD	21	-	-	-	-	-	-	-
Other disorders										
Morris	2012	Sz	12	MNI	40/42/-10	peak in vIPFC	-	8/42/18	-	-
Schulze	2011	BPD	15	-	-	-	-	-	-	-
Lang	2012	BPD	14	MNI	-	-	-	-3/35/10	-	-

Supplementary table 2.

Reported coordinates for group differences during upregulation of emotion reported by fMRI studies.

All brain regions from table 3 are listed. The n reported is the number of participants in the patient group.

Abbreviations: MNI = Montreal Neurological Institute, TAL = Talairach

vIPFC = ventrolateral prefrontal cortex, dIPFC = dorsolateral prefrontal cortex, dACC = dorsal anterior cingulate

MDD = Major Depressive Disorder, rMDD = remitted Major Depressive Disorder, BD = Bipolar Disorder, PTSD = Posttraumatic Stress Disorder, GAD = Generalized Anxiety Disorder, SAD = Social Anxiety Disorder, PD = Panic Disorder, OCD = Obsessive Compulsive Disorder, CUD = Cocaine use Disorder, ND = Nicotine Dependence, Sz = Schizophrenia, BPD = Borderline Personality Disorder, AvPD = Avoidant Personality Disorder