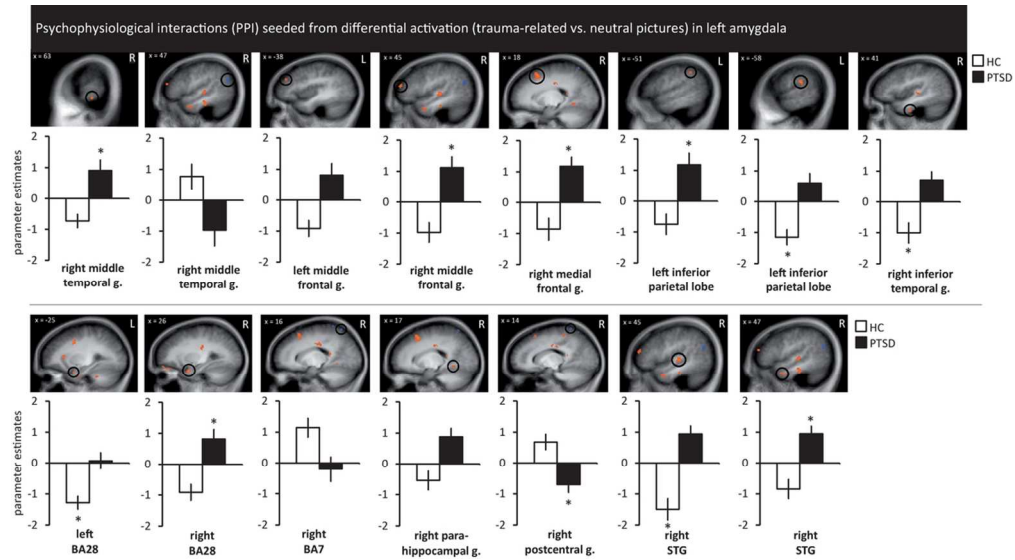S-Figure 6. Estimated brain activation for trauma-related and neutral pictures in patients suffering from posttraumatic stress disorder (PTSD) and healthy controls (HC) in whole brain analysis (all P < .050 corrected). Parameter estimates for HC are shown in white, for PTSD in black. g. = gyrus, PCC = posterior cingulate cortex, STG = superior temporal gyrus, FFA = fusiform face area, n. s. = not significant.

193x193mm (300 x 300 DPI)

S-Figure 7. Whole brain analysis of psychophysiological interactions (PPI) seeded from differential activation (trauma-related vs. neutral pictures) in left amygdala (as shown in Figure 3). All P < .050 corrected. g. = gyrus, STG = superior temporal gyrus, asterisks mark significance against baseline.

107x59mm (300 x 300 DPI)

S-Table 6. ROI-based parametric analysis of anxiety ratings: Significant hyperactivations for negativity of pictures for IPV-PTSD patients compared with healthy controls.

Region	Laterali-zation	Talairach coord. of peak voxel			Cluster size (mm^3)	*t*-value average	*t*-value maximum
		x	y	z			
ACC/mPFC (dorsal)	L	-9	40	31	1460	3.32*	4.74
ACC (dorsal)	R	2	14	24	32	3.03*	3.44
Insula	L	-28	4	17	209	3.05*	3.64
Brainstem	L	-5	-21	-5	64	3.16*	3.54

Note: ROI = region of interest; IPV-PTSD = interpersonal violence posttraumatic stress disorder; coord. = coordinates; L = left; R = right; ACC – anterior cingulate cortex; mPFC – medial prefrontal cortex; $P \leq .005$ uncorrected, and $P \leq .050$ corrected; * - significant parametric modulation of picture negativity.

S-Table 7. Wholebrain analysis: Significant hyperactivations for trauma-related compared with neutral pictures for IPV-PTSD patients compared with healthy controls (HC).

Region	Laterali-zation	Talairach coord. of peak voxel			Cluster size (mm^3)	t-value average	t-value maximum	t-value IPV-PTSD df$_{(17)}$	t-value HC df$_{(17)}$
		x	y	z					
Middle temporal Gyrus	L	-50	-25	-11	136	2.90*	3.30	2.31**	-2.76**
Middle temporal Gyrus	L	-43	7	-29	200	2.94*	3.31	4.67**	-.51
Middle frontal Gyrus	R	27	-3	60	296	2.88*	3.26	2.15**	-2.16**
Middle frontal Gyrus	R	28	60	6	336	3.00*	3.44	2.20**	-2.22**
Middle frontal Gyrus	L	-36	11	52	776	2.95*	3.46	2.73**	-2.16**
Middle frontal Gyrus	L	-32	34	-6	200	3.03*	3.38	3.35**	-.51
Medial frontal Gyrus	R	9	-12	49	104	3.01*	3.39	2.26**	-2.32**
Medial frontal Gyrus	L	-17	2	51	312	3.13*	4.12	2.03	-2.70**
Superior frontal Gyrus	R	22	43	35	1456	3.00*	3.92	2.29**	-2.91**
Superior frontal Gyrus	R	10	15	61	392	2.98*	3.36	4.49**	.28
Superior frontal Gyrus	L	-22	35	47	4816	3.18*	5.18	3.14**	-1.99
Superior frontal Gyrus	L	-21	56	6	184	2.86*	3.09	1.73	-2.37**
Inferior frontal Gyrus	L	-38	27	13	936	3.03*	3.82	3.64**	-1.92
Postcentral Gyrus	R	38	-30	61	80	2.99*	3.22	.76	-3.93**
PCC	L	-7	-43	10	142	3.04*	3.62	2.30**	-2.28**
Precuneus	R	16	-56	25	166	3.06*	3.52	2.58**	-2.63**
Precuneus	R	8	-68	51	405	3.02*	3.69	1.94	-2.76**
Precuneus	L	-8	-66	51	443	3.15*	3.88	2.12**	-4.30**
PCC/Precuneus	R	1	-36	38	304	3.13*	4.04	1.62	-2.98**
PCC/Precuneus	R	7	-50	29	288	2.99*	3.65	4.05**	-.10
PCC/Precuneus	L	-1	-36	39	416	3.32*	4.10	2.88**	-2.05
Parahippocampal Gyrus	R	22	-12	-12	232	3.14*	3.86	3.96**	-.74
Subcallosal Gyrus	R	18	6	-11	96	2.87*	3.10	3.09**	-.84
Subcallosal Gyrus	L	-9	4	-9	224	3.17*	3.91	4.10**	-.54
Caudatus/Striatum	L	-7	14	-1	344	3.11*	3.70	2.57**	-2.24**

Putamen	L	-27	5	32	272	2.96*	3.38	1.07	-4.22**
Superior temporal Gyrus	R	49	-8	1	88	2.82*	2.96	1.72	-2.24**
Superior temporal Gyrus	L	-53	-22	3	344	2.97*	3.57	2.30**	-2.41**
FFA	L	-54	-54	-13	192	3.22*	4.04	3.21**	-.95

Note: IPV-PTSD = interpersonal violence posttraumatic stress disorder; HC = healthy controls; coord. = coordinates; L = left; R = right; PCC – posterior cingulate cortex; FFA – fusiform face area; $P ≤ .005$ uncorrected, and $P ≤ .050$ corrected; * - significant interaction; ** - significant planned comparisons.

S-Table 8. PPI wholebrain analysis: Significant differences in connectivity patterns for the contrast trauma-related > neutral scenes in IPV-PTSD patients versus HC.

Seed Region	PPI Region	Laterali-zation of finding	Talairach coord. of peak voxel			Cluster size (mm^3)	*t*-value average	*t*-value maximum	*t*-value PTSD df$_{(17)}$	*t*-value HC df$_{(17)}$
			x	y	z					
		PTSD patients > HC								
Amygdala (left) BLA	Middle temporal Gyrus	R	63	-26	-12	128	3.06*	3.74	2.73**	-1.97
	Middle frontal Gyrus	L	-39	40	29	72	2.86*	2.98	1.98	-1.92
	Middle frontal Gyrus	R	46	44	16	144	2.97*	3.27	2.61**	-1.67
	Medial frontal Gyrus	R	17	16	47	608	3.21*	4.12	2.90**	-2.37
	Inferior parietal Lobe	L	-51	-42	39	88	2.96*	3.18	2.66**	-1.41
	Inferior parietal Lobe	L	-59	-28	22	272	3.13*	3.95	1.78	-2.96**
	Inferior temporal Gyrus	R	42	-8	-31	96	2.98*	3.58	2.23	-2.59**
	BA28	L	-22	4	-20	104	3.02*	3.52	.26	-3.25**
	BA28	R	25	5	-22	176	3.31*	4.48	2.51**	-2.07
	Parahippocampal Gyrus	R	17	-50	-4	72	2.86*	3.11	2.29	-1.38
	Superior temporal Gyrus	R	45	-22	4	656	3.07*	4.01	2.12	-3.53**
	Superior temporal Gyrus	R	46	8	-21	128	2.87*	3.11	2.58**	-1.70
		HC > PTSD patients								
Amygdala (left) BLA	Middle temporal Gyrus	R	47	-65	25	304	-2.97*	-3.37	-2.39	2.00
	BA7	R	15	-60	61	72	-3.07*	-3.53	-.72	2.99**
	Postcentral Gyrus	R	13	-46	66	72	-2.87*	-3.12	-2.51**	1.48

Note: PPI = psychophysiological interaction; IPV-PTSD = interpersonal violence posttraumatic stress disorder; HC = healthy controls; coord. = coordinates; L = left; R = right; BLA = basolateral nucleus; $P \leq .005$ uncorrected, and $P \leq .050$ corrected; * - significant interaction; ** - significant planned comparisons.

S-Table 9. Wholebrain analysis: Significant activations for trauma-related compared with neutral pictures.

Region	Laterali-zation	Talairach coord. of peak voxel			Cluster size (mm³)	t-value average	t-value maximum
		x	y	z			
Amygdala	R	17	-5	-11	736	3.38*	4.38
Middle temporal Gyrus	R	47	6	-38	1176	3.24*	4.89
Middle frontal Gyrus	L	-34	12	45	216	2.87*	3.19
Superior frontal Gyrus	L	-3	22	48	968	3.20*	4.15
Superior frontal Gyrus	R	5	12	59	1021	3.06*	3.74
Inferior frontal Gyrus	R	56	31	9	25248	3.63*	6.53
mPFC (dorsal)	L	3	42	37	5613	3.42*	5.10
mPFC (dorsal)	R	4	42	37	2459	3.37*	5.10
mPFC (ventral)	L	-2	36	-11	3471	3.34*	4.33
mPFC (ventral)	R	8	56	-7	1743	3.24*	4.12
mPFC (dorsal)	L	-7	28	30	224	2.86*	3.21
ACC (dorsal)	L	1	-12	35	784	3.18*	4.07
ACC (dorsal)	R	3	18	25	424	3.05*	3.83
Supramarginal Gyrus	L	-37	-36	32	728	3.23*	4.44
Superior parietal lobe	L	-30	-52	49	216	3.00*	3.48
Parahippocampal Gyrus	L	-34	-14	-20	352	3.14*	3.96
Parahippocampal Gyrus	L	-28	5	-18	24400	3.49*	7.06
Caudatus	L	-35	-32	-1	328	-3.46*	-4.81
Caudatus	R	11	10	4	840	3.19*	4.39
Precuneus	R	2	-54	32	200	2.91*	3.16
BA18	L	-2	-92	8	696	-2.96*	-3.53
BA18	L	-15	-80	-2	272	-3.06*	-3.51
BA18	R	12	-86	-4	2104	-3.09*	-4.11
Middle occipital Gyrus	L	-50	-69	7	34400	4.34*	8.83
Middle occipital Gyrus	R	43	-71	5	38024	4.34*	8.05
Superior temporal Gyrus	R	54	-9	-7	288	2.91*	3.24

Note: coord. = coordinates; L = left; R = right; ACC – anterior cingulate cortex; mPFC – medial prefrontal cortex; $P \leq .005$ uncorrected, and $P \leq .050$ corrected; * - significant t-value.

S-Table 10. Wholebrain analysis: Significant activations for IPV-PTSD patients compared with healthy controls.

Region	Laterali-zation	Talairach coord. of peak voxel			Cluster size (mm³)	*t*-value average	*t*-value maximum
		x	y	z			
Middle temporal Gyrus	R	49	1	-19	144	3.02*	3.55
Middle frontal Gyrus	R	40	-3	54	408	-3.02*	-3.55
Medial frontal Gyrus	L	-4	2	48	352	-3.09*	-3.83
Superior temporal Gyrus	L	-53	-54	9	272	-2.96*	-3.30
Superior temporal Gyrus	R	41	-56	16	136	-2.84*	-2.99
Middle temporal Gyrus	L	-29	-68	19	1736	-3.02*	-3.76
BA6	L	-18	8	57	152	2.95*	3.32
Supramarginal Gyrus	L	-67	-46	24	408	-3.01*	-4.30
ACC (ventral)	R	12	46	-6	112	3.00*	3.31
Inferior frontal Gyrus	R	45	35	-2	328	3.17*	3.80
Inferior frontal Gyrus	R	29	28	-12	424	3.02*	3.42
Parahippocampal Gyrus	L	-22	-25	-20	448	-3.08*	-3.70
Precuneus	R	4	-36	44	520	-3.00*	-3.55
Caudatus	R	5	7	-3	144	3.01*	3.57
Thalamus	R	17	-24	13	104	-3.24*	-4.09
Brainstem	R	11	-21	-15	192	-3.09*	-3.74
Occipital Gyrus (Cuneus)	L	-15	-91	30	360	-2.98*	-3.38
BA18	L	-19	-54	5	200	-2.99*	-3.42
Occipital Gyrus	L	-18	-91	1	416	-3.10*	-3.82
Occipital Gyrus	R	11	-82	-4	928	-3.25*	-4.27
Occipital Gyrus	R	21	-86	14	264	-2.97*	-3.47
Superior temporal Gyrus	R	46	10	-16	96	3.02*	3.42
Superior temporal Gyrus	R	38	-51	15	104	-2.84*	-3.03

Note: coord. = coordinates; L = left; R = right; ACC – anterior cingulate cortex; $P \leq .005$ uncorrected, and $P \leq .050$ corrected; * - significant *t*-value.