Table (Supplemental Digital Content 1)

Corrected recognition (proportion of old faces correctly identified as old – proportion of new faces incorrectly identified as old) of angry and neutral faces by stress and control males and females. Standard errors of the means are in parentheses.

Participant Group	Angry	Neutral
Control Female	.42 (.05)	.43 (.04)
Control Male	.37 (.05)	.42 (.04)
Stress Female	.47 (.05)	.49 (.04)
Stress Male	.49 (.05)	.44 (.04)

Supplemental Digitial Content 2. Number of voxels, p values, and MNI coordinates and brain regions for local maxima associated with the PPI clusters shown in Figures 2A-C. All significant clusters for the sex by stress interaction PPI analyses are listed in this table (including those not visible in the slices shown in the figure).

FFA (Figure 2A)							
Cluster # in figure	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
1	339	0.037	48	24	-4	Inferior Frontal Gyrus	47
			42	22	-6	Insula	13
			30	24	-16	Sub-Gyral	47
			50	16	-8	Inferior Frontal Gyrus	47
			32	18	-14	Extra-Nuclear	13
			62	8	-4	Superior Temporal Gyrus	22
2	503	0.004	52	-46	-8	Sub-Gyral	37
			64	-60	8	Middle Temporal Gyrus	21
			56	-48	-10	Sub-Gyral	37
			66	-54	-2	Middle Temporal Gyrus	37
			66	-52	10	Superior Temporal Gyrus	22
			50	-62	4	Middle Temporal Gyrus	37
3	3106	0.000	-50	-78	-2	Middle Occipital Gyrus	19
			6	-86	6	Lingual Gyrus	18
			-50	-62	2	Middle Temporal Gyrus	37
			-10	-90	26	Cuneus	18
			-52	-64	-2	Inferior Temporal Gyrus	19
			12	-70	-10	Culmen	
4*	351	0.031	-36	-46	44	Inferior Parietal Lobule	40
			-48	-40	62	Inferior Parietal Lobule	40
			-44	-52	56	Inferior Parietal Lobule	40
			-54	-36	52	Inferior Parietal Lobule	40
			-50	-38	50	Inferior Parietal Lobule	40
			-48	-54	62	Inferior Parietal Lobule	40
5*	336	0.039	-48	26	42	Middle Frontal Gyrus	8
			-34	40	44	Middle Frontal Gyrus	8
			-28	38	44	Middle Frontal Gyrus	8
			-24	42	44	Superior Frontal Gyrus	8
			-44	32	38	Middle Frontal Gyrus	8
			-44	30	42	Middle Frontal Gyrus	8

*cluster not in figure

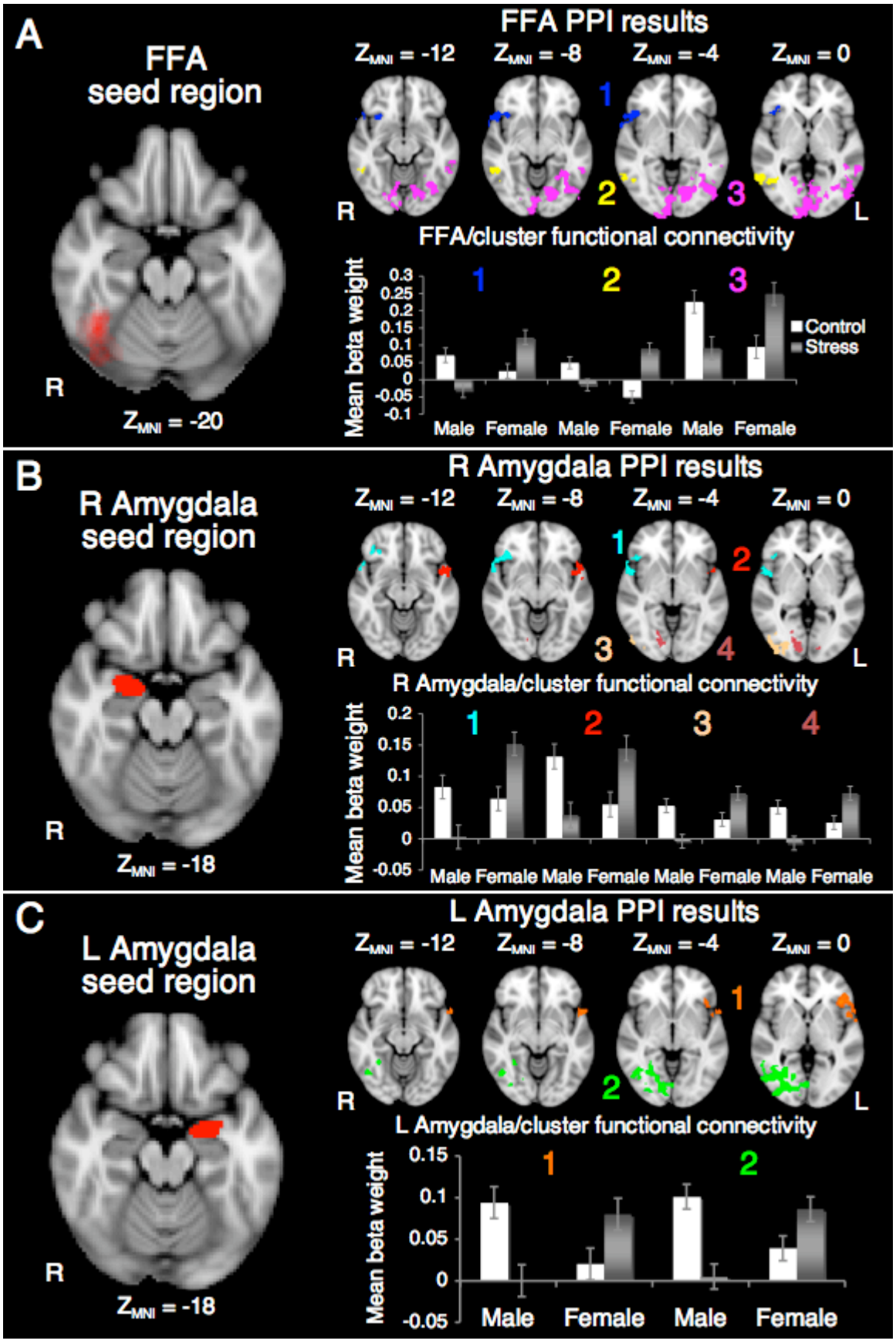
R Amygdala (Figure 2B)							
Cluster # in figure	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
1	311	0.038	56	12	-2	Superior Temporal Gyrus	22
			54	8	-2	Superior Temporal Gyrus	22
			50	6	-2	Insula	13
			52	22	-8	Inferior Frontal Gyrus	47

			44	24	-6	Inferior Frontal Gyrus	47
			38	30	-8	Inferior Frontal Gyrus	47
2	305	0.042	-50	16	-8	Inferior Frontal Gyrus	47
			-44	6	-8	Insula	13
			-56	12	-14	Superior Temporal Gyrus	22
			-50	8	-6	Superior Temporal Gyrus	22
			-38	2	-18	Superior Temporal Gyrus	38
			-48	8	-12	Superior Temporal Gyrus	38
3	532	0.001	32	-90	12	Middle Occipital Gyrus	19
			40	-72	12	Middle Occipital Gyrus	19
			30	-82	0	Middle Occipital Gyrus	18
			40	-96	10	Middle Occipital Gyrus	19
			42	-92	14	Middle Occipital Gyrus	18
			40	-88	2	Middle Occipital Gyrus	18
4	1054	0.000	26	-74	48	Precuneus	7
			20	-76	54	Precuneus	7
			14	-82	-2	Lingual Gyrus	18
			32	-80	48	Precuneus	19
			14	-80	28	Cuneus	18
			12	-90	0	Lingual Gyrus	18
5*	475	0.003	-38	-48	54	Inferior Parietal Lobule	40
			-32	-54	62	Superior Parietal Lobule	7
			-32	-54	56	Superior Parietal Lobule	7
			-36	-76	42	Precuneus	19
			-20	-68	56	Precuneus	7
			-30	-78	50	Precuneus	19

*cluster not in figure

L Amygdala (Figure 2C)							
Cluster # in figure	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
1	404	0.011	-40	26	0	Inferior Frontal Gyrus	18
			-60	2	4	Superior Temporal Gyrus	19
			-54	14	-8	Superior Temporal Gyrus	19
			-60	14	-12	Superior Temporal Gyrus	37
			-44	32	0	Inferior Frontal Gyrus	18
			-48	28	0	Inferior Frontal Gyrus	37
2	1295	0.000	16	-80	-2	Lingual Gyrus	45
			28	-60	-2	Parahippocampal Gyrus	22
			42	-80	6	Middle Occipital Gyrus	22
			52	-70	2	Inferior Temporal Gyrus	38
			28	-80	2	Lingual Gyrus	13
			40	-68	0	Middle Occipital Gyrus	45

Supplemental Digital Content 3. This figure is a color version of Fig. 2 that also displays the seed regions used for each psychophysiological interaction (PPI) analysis. See Fig. 2 caption for details.



Supplemental Digital Content 4. Number of voxels, p values, and MNI coordinates and brain regions for local maxima associated with significant group main effects for the PPI analyses. All significant clusters are listed in this table (including those not visible in the slices shown in the figure).

FFA (See Images in Supplemental Digital Content 5A)							
Effect	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
F > M	326	0.045	44	-8	14	Insula	13
			56	2	2	Superior Temporal Gyrus	22
			60	10	4	Precentral Gyrus	44
			62	8	-2	Superior Temporal Gyrus	22
			58	-2	0	Superior Temporal Gyrus	22
			60	14	2	Precentral Gyrus	44
	401	0.015	6	-38	6	Parahippocampal Gyrus	30
			4	-24	6	Thalamus	
			10	-48	18	Posterior Cingulate	29
			14	-48	20	Posterior Cingulate	29
			0	-36	8		
			0	-32	8	Thalamus: Pulvinar	
	931	0.000	-70	-46	-10	Middle Temporal Gyrus	21
			-66	-36	16	Superior Temporal Gyrus	22
			-54	-28	-18	Inferior Temporal Gyrus	20
			-62	-36	16	Superior Temporal Gyrus	22
			-72	-36	-10	Middle Temporal Gyrus	21
			-64	-38	-10	Middle Temporal Gyrus	21
	1119	0.000	8	-4	10	Thalamus: Anterior Nucleus	
			42	22	0	Insula	13
			4	-4	14	Thalamus	
			32	8	4	Lentiform Nucleus: Putamen	
			32	12	2	Claustrum	
			20	-2	14	Thalamus: Ventral Anterior Nucleus	
M > F	No significant clusters						
Stress > Control	No significant clusters						
Control > Stress	No significant clusters						

R Amygdala (See Images in Supplemental Digital Content 5B)							
Effect	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
F > M	336	0.025	0	68	-12	Medial Frontal Gyrus	10
			2	64	-12	Medial Frontal Gyrus	10
			0	44	-10	Anterior Cingulate	32
			-12	46	2	Anterior Cingulate	32
			2	48	-10	Anterior Cingulate	32
			4	44	-10	Anterior Cingulate	32
	363	0.016	60	-58	30	Superior Temporal Gyrus	39
			58	-54	34	Supramarginal Gyrus	40
			52	-58	40	Inferior Parietal Lobule	40
			48	-54	42	Inferior Parietal Lobule	40
			58	-46	28	Inferior Parietal Lobule	40
			54	-46	28	Inferior Parietal Lobule	40
	441	0.005	-44	-42	4		
			-54	-62	26	Middle Temporal Gyrus	39
			-42	-46	14		
			-52	-66	48	Inferior Parietal Lobule	39
			-46	-48	30	Inferior Parietal Lobule	40
			-60	-62	32	Superior Temporal Gyrus	39
	497	0.002	2	-34	28	Cingulate Gyrus	23
			-6	-8	44	Cingulate Gyrus	24
			-6	-8	40	Cingulate Gyrus	24

			-6	-22	28	Cingulate Gyrus	23
			0	-28	34	Cingulate Gyrus	31
			-4	-12	48	Paracentral Lobule	31
	505	0.002	-66	-52	4	Middle Temporal Gyrus	21
			-66	-52	10	Middle Temporal Gyrus	21
			-70	-38	14	Superior Temporal Gyrus	22
			-54	-28	12	Superior Temporal Gyrus	41
			-64	-20	12	Superior Temporal Gyrus	42
			-56	-36	12	Superior Temporal Gyrus	42
	669	0.000	20	-82	42	Cuneus	19
			28	-64	46	Superior Parietal Lobule	7
			40	-72	42	Precuneus	19
			36	-80	40	Precuneus	19
			40	-76	42	Precuneus	19
			10	-84	34	Cuneus	19
	888	0.000	28	-86	10	Middle Occipital Gyrus	18
			28	-90	10	Middle Occipital Gyrus	19
			16	-68	-10	Culmen	
			34	-82	-2	Middle Occipital Gyrus	18
			16	-54	-14	Culmen	
			40	-70	-8	Fusiform Gyrus	19
	1097	0.000	48	32	6	Inferior Frontal Gyrus	46
			52	32	2	Inferior Frontal Gyrus	45
			26	24	-8	Lentiform Nucleus: Putamen	
			54	12	-2	Superior Temporal Gyrus	22
			44	34	4	Inferior Frontal Gyrus	13
			70	-14	6	Superior Temporal Gyrus	42
	1875	0.000	-50	16	-10	Inferior Frontal Gyrus	47
			-40	22	4	Insula	13
			-32	26	-6	Insula	13
			-46	50	-8	Inferior Frontal Gyrus	10
			-46	32	-14	Inferior Frontal Gyrus	47
			-46	54	-10	Middle Frontal Gyrus	10
Control > Stress	354	0.019	-34	40	-10	Middle Frontal Gyrus	47
			-30	48	-12	Middle Frontal Gyrus	10
			-46	44	-12	Middle Frontal Gyrus	47
			-34	60	-16	Middle Frontal Gyrus	10
			-38	44	-14	Middle Frontal Gyrus	47
			-38	60	-16	Middle Frontal Gyrus	10
M > F	No significant clusters						
Stress > Control	No significant clusters						

L Amygdala (See Images in Supplemental Digital Content 5C)

Effect	Voxels	p	X MNI	Y MNI	Z MNI	Region	Brodmann Area
F > M	410	0.010	46	20	6	Inferior Frontal Gyrus	44
			36	20	10	Insula	13
			50	18	8	Inferior Frontal Gyrus	44
			44	34	-2	Inferior Frontal Gyrus	13
			40	30	-2	Inferior Frontal Gyrus	47
			40	20	-8	Extra-Nuclear	47
M > F	No significant clusters						
Stress > Control	No significant clusters						
Control > Stress	No significant clusters						

Supplemental Figure 2. Psychophysiological interaction (PPI) analyses with face expression (angry versus neutral) as a modulatory variable and A) functionally defined fusiform face area (FFA) as the seed region, B) the right amygdala as the seed region, or C) the left amygdala as the seed region revealed main effects of sex, with females consistently showing greater functional connectivity with the insula than males. The right amygdala PPI also revealed a main effect of stress, with greater functional connectivity for the middle frontal gyrus for the control group than the stress group.