

Anxiety dissociates dorsal and ventral medial prefrontal cortex functional connectivity with the amygdala at rest

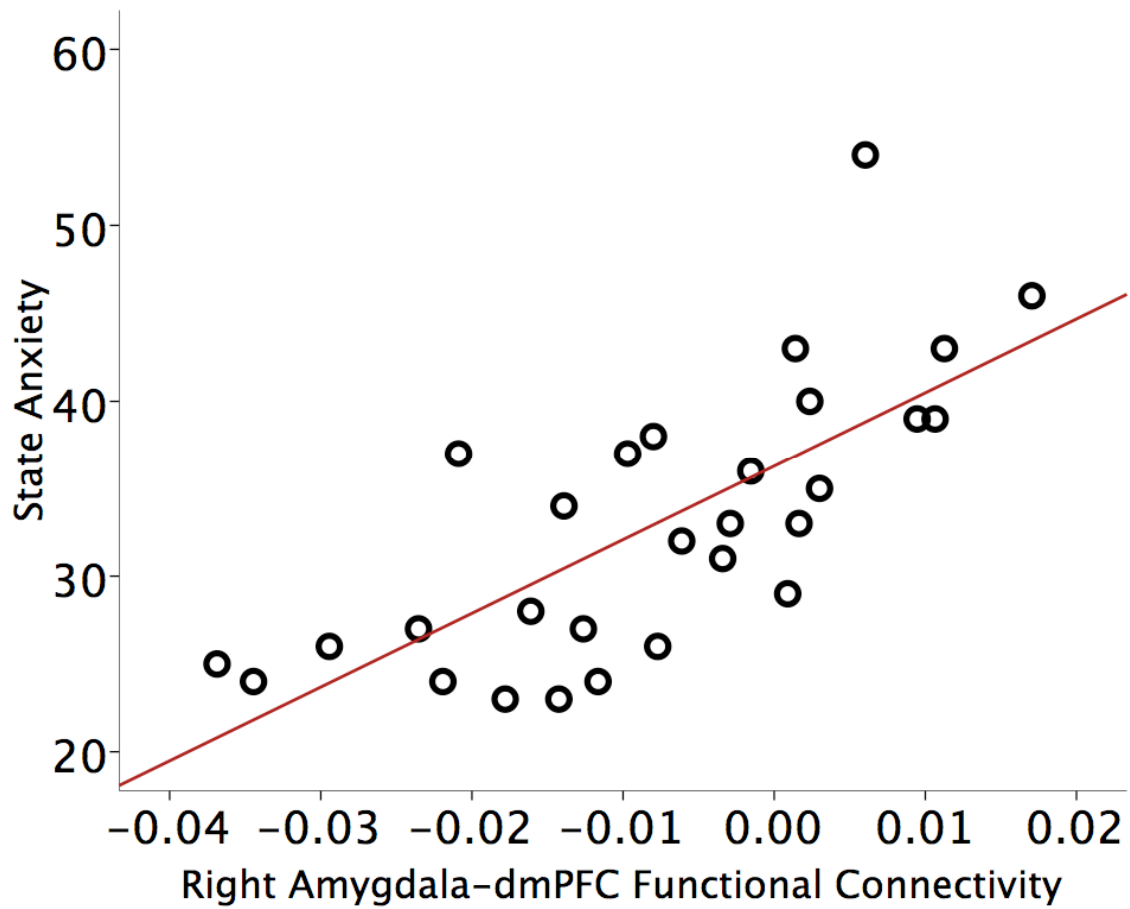
M. Justin Kim, Dylan G. Gee, Rebecca A. Loucks, F. Caroline Davis, & Paul J. Whalen

Supplementary Table 1. Resting state functional connectivity of the right amygdala

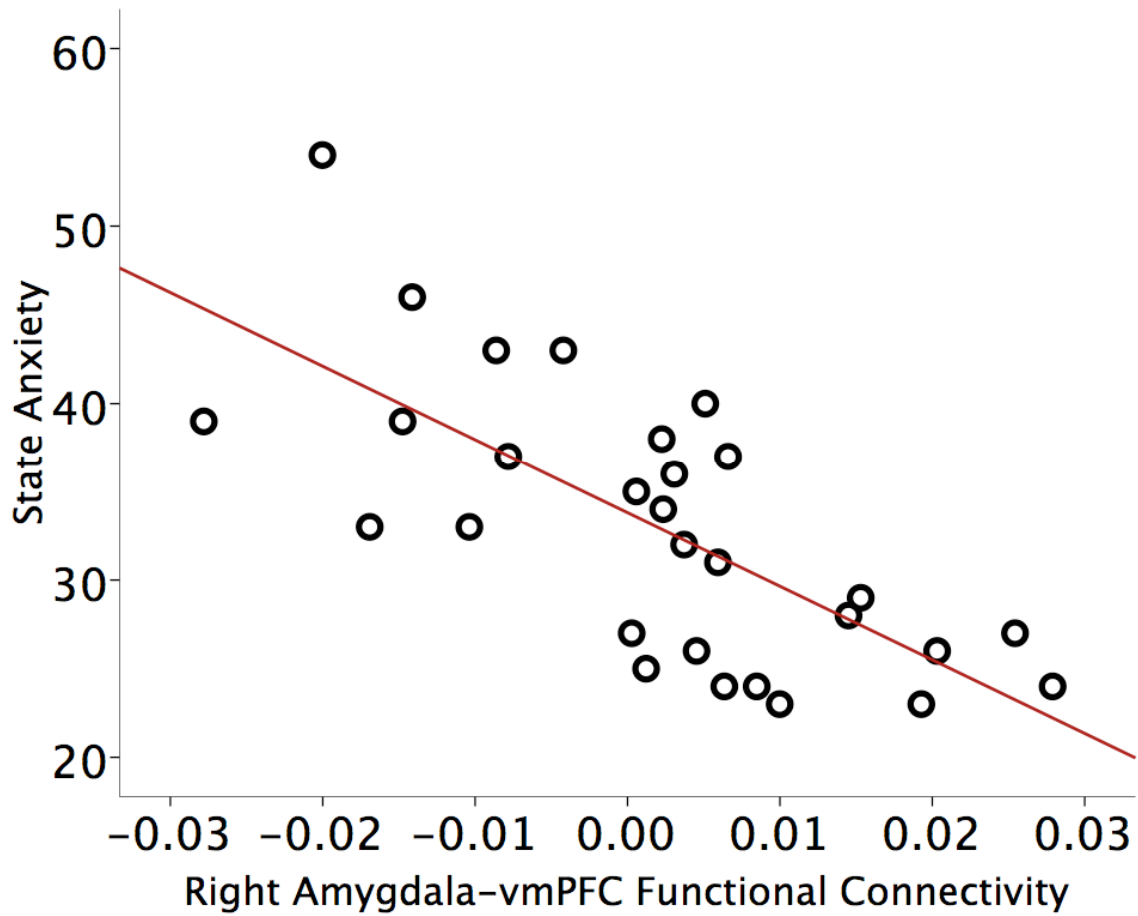
Brain Regions	Cluster Size (mm ³)	MNI Coordinates			
		<i>x</i>	<i>y</i>	<i>z</i>	<i>Z</i>
POSITIVE					
R Amygdala	348,744	22	-6	-18	8.26
R Hippocampus		26	-10	-28	7.31
R Putamen		28	8	2	7.07
L Hippocampus		-20	-8	-22	7.02
NEGATIVE					
R Precuneus	282,464	6	-72	52	5.71
L Precuneus		-4	-56	66	5.67
R Angular gyrus		48	-54	-36	5.35
R Cerebellum		8	-84	-20	5.28
L Inferior temporal gyrus	7,600	-56	-38	-22	5.01
L Middle temporal gyrus		-60	-34	-18	4.76

Supplementary Table 2. Resting state functional connectivity of the left amygdala

Brain Regions	Cluster Size (mm ³)	MNI Coordinates			
		<i>x</i>	<i>y</i>	<i>z</i>	<i>Z</i>
POSITIVE					
L Amygdala	265,232	-26	-6	-20	7.91
L Putamen		-24	8	-6	6.27
R Amygdala		24	0	-20	6.26
R Hippocampus		22	-10	-20	6.11
L Anterior cingulate gyrus	23,576	-6	16	28	5.2
R Anterior cingulate gyrus		8	4	46	5.11
L Medial frontal gyrus		-4	-2	56	3.98
R Medial frontal gyrus		6	-20	58	3.96
NEGATIVE					
R Precuneus	102,920	4	-76	58	6.29
L Precuneus		-2	-82	42	5.47
R Cerebellum	44,328	48	-72	-34	5.02
L Cerebellum		-16	-82	-28	4.71
R Middle frontal gyrus	42,600	28	20	56	5.38
R Superior frontal gyrus		20	30	40	4.67
R Middle temporal gyrus	5,000	52	-54	-4	3.76
R Angular gyrus		56	-56	22	3.68
R Inferior temporal gyrus		54	-40	-18	3.1



Supplementary Figure 1. Scatterplot showing a positive correlation between right amygdala-dmPFC functional connectivity and state anxiety ($r=0.736$, $p<0.001$). Functional connectivity values are taken from the dmPFC voxel cluster defined in Figure 2. We note that this scatterplot was presented only for visual purposes.



Supplementary Figure 2. Scatterplot showing a negative correlation between right amygdala-vmPFC functional connectivity and state anxiety ($r=-0.71$, $p<0.001$). Functional connectivity values are taken from the vmPFC voxel cluster defined in Figure 2. We note that this scatterplot was presented only for visual purposes.