

Table S1. Medications and their daily doses taken by patients with bipolar depression; responder/non-responder status at 10-12 weeks is shown. NB the dose had been unchanged for at least 6 months before patients entered the study.

Patients	Medications and their daily doses at the baseline scan
<b>Responders</b>	
1	Aripiprazole 10mg
2	Quetiapine 150mg
3	Quetiapine 100mg Fluoxetine 20mg
4	Quetiapine 800mg Lithium 1200mg
5	Duloxetine 20mg Lithium 600mg
6	Venlafaxine 75mg
7	Venlafaxine 75mg
8	Fluoxetine 20mg
9	Citalopram 20mg
10	None
11	None
12	None
13	None
14	None
15	None
<b>Non-responders</b>	
16	Sertraline 200mg
17	Quetiapine 500mg Venlafaxine MR 75mg
18	Lithium 1200mg
19	Mirtazapine 30mg Aripiprazole 20mg Sodium valproate 1600mg
20	None
21	None

Table S2. Correlations between established functional connectivity measures (parameter estimates) and clinical scores (% change baseline vs. post-treatment).

Correlations			HAMD	BDI	STAI
			% change	% change	% change
<b>Pearson's r</b>	<b>DAN with left precuneus</b>	Correlation Coefficient	-0.704	-0.529	-0.151
		Sig. (2-tailed)	0.001	0.02	0.525
		N	20	19	20
	<b>Right FPN with left precuneus</b>	Correlation Coefficient	-0.639	-0.523	-0.349
		Sig. (2-tailed)	0.002	0.022	0.132
		N	20	19	20
	<b>Left FPN with left ITG/fusiform/latOCC</b>	Correlation Coefficient	-0.391	-0.413	-0.205
		Sig. (2-tailed)	0.089	0.079	0.386
		N	20	19	20
	<b>SSMN with left hippocampus / amygdala</b>	Correlation Coefficient	-0.781	-0.538	-0.247
		Sig. (2-tailed)	<0.001	0.018	0.294
		N	20	19	20
	<b>DMN with Left precuneus</b>	Correlation Coefficient	-0.616	-0.425	-0.37
		Sig. (2-tailed)	0.004	0.07	0.109
		N	20	19	20