

**Attention to Odor Modulates Thalamocortical Connectivity in the Human Brain**  
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**SUPPLEMENTAL MATERIAL**

**Supplemental Table 1.** Subject-specific voxel centroids of activation used to define the regional volumes of interest (VOIs) for the dynamic causal model.

	<b>Posterior PC</b>			<b>Anterior PC</b>			<b>Olfactory OFC</b>			<b>MD Thalamus</b>		
<b>Subject</b>	<i>x</i>	<i>y</i>	<i>z</i>	<i>x</i>	<i>y</i>	<i>z</i>	<i>x</i>	<i>y</i>	<i>z</i>	<i>x</i>	<i>y</i>	<i>z</i>
S01	-17	-3	-15	-19	3	-21	-26	32	-12	-2	-17	9
S02	-17	-3	-21	-28	2	-15	-24	33	-12	-5	-17	6
S03	-26	-3	-18	-21	5	-24	-26	31	-15	-5	-15	9
S04	-21	-5	-18	-26	7	-21	-24	31	-15	-5	-21	6
S05	-22	-3	-18	-21	7	-24	-19	26	-21	-9	-21	6
S06	-21	-3	-18	-21	5	-21	-26	28	-15	-3	-15	6
S07	-14	3	-21	-24	7	-15	-21	33	-12	-3	-15	6
S08	-17	-3	-18	-26	9	-18	-28	26	-12	-10	-17	6
S09	-15	0	-21	-33	7	-21	-22	28	-21	-2	-19	6
S10	-22	-2	-18	-26	7	-15	-21	28	-21	-5	-26	6
S11	-22	-3	-21	-22	2	-21	-26	29	-15	-5	-17	3
S12	-17	0	-21	-22	0	-15	-28	31	-15	-2	-21	3
<b>Mean</b>	<b>-19</b>	<b>-2</b>	<b>-19</b>	<b>-24</b>	<b>5</b>	<b>-19</b>	<b>-24</b>	<b>30</b>	<b>-16</b>	<b>-5</b>	<b>-18</b>	<b>6</b>
<b>Mean distance in the <i>x</i>, <i>y</i>, and <i>z</i> directions between VOI centroids and the corresponding peaks from an independent localizer (odor detection) run</b>												
<b>Mean (mm)</b>	3.0	3.4	2.5	2.9	2.7	2.9	3.6	2.8	2.8	3.8	2.6	3.0
<b>S.E.M.</b>	0.6	0.6	0.5	0.7	0.5	0.8	0.8	0.8	0.7	0.7	0.7	0.7

**Supplemental Table 2.** Estimated DCM parameters of the intrinsic (attention-independent) connections between each pair of linked brain regions in the direct and indirect pathways.

Subject	<i>Direct pathway</i>		<i>Indirect pathway</i>					
	aPC to OFC	OFC to aPC	aPC to PPC	pPC to aPC	pPC to MD	MD to pPC	MD to OFC	OFC to MD
S01	-0.8682	-0.2524	0.0901	0.5675	0.5183	0.9487	0.4115	0.7985
S02	-0.3886	0.1082	0.6453	-0.1687	-0.0085	-0.0026	0.0086	0.0113
S03	-0.7874	-0.2501	0.2065	0.8304	0.4000	0.7000	0.7052	0.9732
S04	-0.0066	0.0000	-0.0189	0.0000	-0.0004	0.0000	0.0000	-0.0002
S05	-0.6009	0.2619	0.3882	-0.2027	-0.2915	-0.1305	0.0286	0.3350
S06	-0.2289	0.0116	0.0097	0.0004	0.0045	0.0006	0.0009	0.0184
S07	-0.3631	0.0688	-0.1537	0.0251	-0.0987	0.0254	-0.0178	-0.2322
S08	0.0293	0.0036	0.0912	0.0080	0.0227	0.0000	0.0003	0.0100
S09	-0.5642	-0.0142	0.3624	0.0102	0.0456	0.0258	0.0096	-0.0715
S10	-0.3566	0.0437	0.2247	0.0995	0.2024	0.6470	0.8294	1.0355
S11	-0.4683	-0.1057	0.4248	0.0849	0.3005	0.1594	-0.0339	-0.3203
S12	0.5584	0.4067	0.8471	0.6846	0.1849	0.1075	0.1328	0.1460
<b>Mean</b>	<b>*-0.337</b>	<b>0.024</b>	<b>*0.260</b>	<b>0.162</b>	<b>0.107</b>	<b>*0.207</b>	<b>*0.173</b>	<b>0.225</b>
<b>S.E.M.</b>	0.113	0.054	0.083	0.097	0.065	0.101	0.088	0.133

\*,  $p < 0.05$ , one-tailed.