

# Supporting Information

Meyer et al. 10.1073/pnas.1121077109

**Table S1. Behavioral results for the social working memory task**

	Two friends		Three friends		Four friends	
	Mean	SD	Mean	SD	Mean	SD
Accuracy	71%* <sup>†</sup>	0.12	60%	0.15	58%	0.08
Response time	1.6 <sup>b</sup>	0.29	1.72 <sup>‡</sup>	0.34	1.9	0.29

\*Two names is significantly different from three names.

<sup>†</sup>Two names is significantly different from four names.

<sup>‡</sup>Three names is significantly different from four names.

**Table S2. Brain regions that parametrically increase as a function of social working memory load**

Region	Laterality	x	y	z	t	k
<b>Delay period</b>						
DMPFC	R	12	29	31	5.06	151
	L	-12	38	49	3.25	199
PC/PCC	R	0	-61	46	8.43	1,783
TPJ	L	-42	-70	40	4.53	190
DLPFC	L	-45	17	28	11.92	2,356
	R	36	29	25	5	299
SMA	L	-9	14	55	7.44	287
Superior parietal lobule	R	30	-67	58	6.24	358
Pallidum	L	-21	-4	7	4.16	138
Anterior Insula	R	33	23	1	4.83	69
	L	-33	20	1	5.77	147
	R	36	-58	49	5.98	355
Cerebellum	R	12	-73	-26	4.8	95
<b>Probe response</b>						
DMPFC	L	-3	47	28	5.89	861
	R	15	35	58	6.03	394
	R	3	41	37	5.3	—
	R	9	47	52	3.95	—
	R	0	32	46	3.81	—
MPFC	L	-6	56	-5	4.35	58
PC/PCC	R	0	-61	34	7.45	690
TPJ	L	-48	-67	43	7.17	437
DLPFC	R	30	17	61	6.43	382
	L	-39	5	58	6.61	310
SMA	L	-6	20	64	5.53	132
Superior parietal lobule	R	57	-58	40	7.57	240
Inferior frontal gyrus	L	-48	38	-5	5.04	270
Ventrolateral prefrontal cortex	L	-33	56	4	5.77	582
Anterior insula	L	-33	17	-5	4.96	153
	R	33	20	-8	4.14	68
Thalamus	L	-12	-16	16	4.69	340
Middle temporal sulcus	L	-57	-43	-8	4.63	98
	R	42	-67	49	5	389
Cerebellum	R	6	-55	-50	4.96	168
	R	33	-61	-41	7.62	259
	L	-30	-79	-32	5.38	124

**Table S3. Regions showing social load dependent increases during the delay period of social working memory trials that correlate with trait-level perspective-taking ability**

Region	Laterality	x	y	z	t	k
MPFC	L	-6	62	1	6.95	286
Precuneus	L	-9	-49	13	4.57	55