

SUPPLEMENTARY MATERIAL

| | |
|------------|---------------|
| | Factor 1 |
| <i>CLC</i> | 0.928 |
| <i>PL</i> | -0.725 |
| <i>D</i> | 0.897 |

Structural network

| | Factor 1 | Factor 2 | Factor 3 |
|-------------------------|--------------|--------------|--------------|
| <i>CLC</i> pre-stimulus | 0.059 | 0.900 | 0.388 |
| <i>PL</i> pre-stimulus | 0.131 | 0.960 | -0.110 |
| <i>D</i> pre-stimulus | -0.085 | 0.158 | 0.923 |
| <i>CLC</i> modulation | 0.936 | 0.163 | 0.080 |
| <i>PL</i> modulation | 0.929 | 0.037 | 0.081 |
| <i>D</i> modulation | 0.429 | -0.014 | 0.739 |

Functional global band

| | Factor 1 | Factor 2 |
|-------------------------|--------------|--------------|
| <i>CLC</i> pre-stimulus | -0.167 | 0.935 |
| <i>PL</i> pre-stimulus | -0.088 | 0.934 |
| <i>D</i> pre-stimulus | -0.229 | 0.570 |
| <i>CLC</i> modulation | 0.889 | -0.302 |

| | | |
|----------------------|--------------|--------|
| <i>PL</i> modulation | 0.870 | -0.253 |
| <i>D</i> modulation | 0.856 | -0.029 |

Functional theta band

| | Factor 1 |
|----------------------|---------------|
| Verbal memory | 0.783 |
| Working memory | 0.794 |
| Motor speed | 0.505 |
| Verbal fluency | 0.710 |
| Performance speed | 0.806 |
| Tower of London | 0.654 |
| Perseverative errors | -0.608 |

Cognitive scores

Table S2: Factor structure of connectivity networks and cognitive scores: Results of the principal components analyses performed to obtain factor scores for structural and functional (global band and theta band) networks and cognitive performance. The variables included in each component are boldfaced.

| | Schizophrenia | Controls | <i>p</i> -value |
|---------------------------|--------------------|--------------------|-----------------|
| P300 amplitude (μ V) | 2.15 ± 1.56 | 2.9863 ± 1.62 | 0.0086 |
| P300 latency (ms) | 435.38 ± 70.35 | 454.68 ± 71.89 | 0.1698 |

Table S1. P300 latency and amplitude at Pz electrode.

7. Supplementary figures

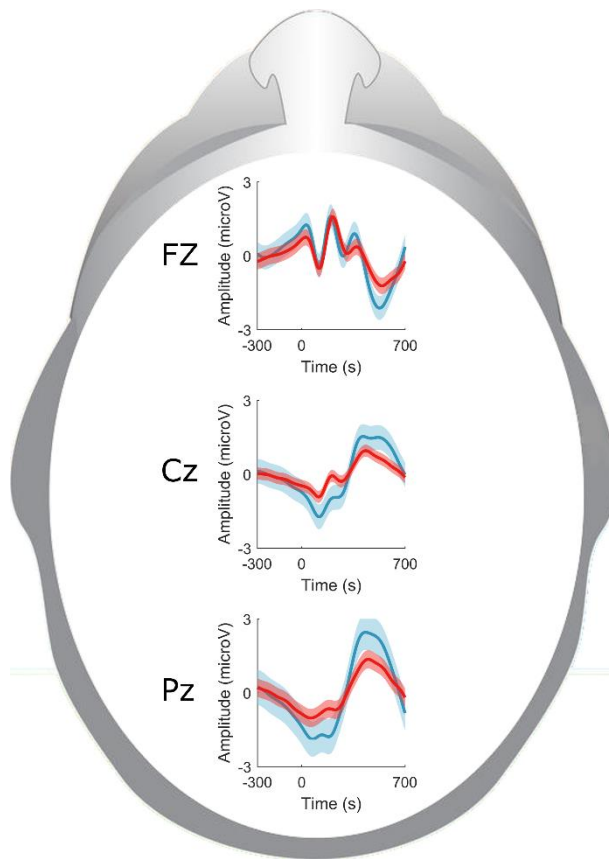


Figure S1 P300 waveforms in the middle line of the brain scalp (Fz, Cz and Pz electrodes). (blue patients, red controls)

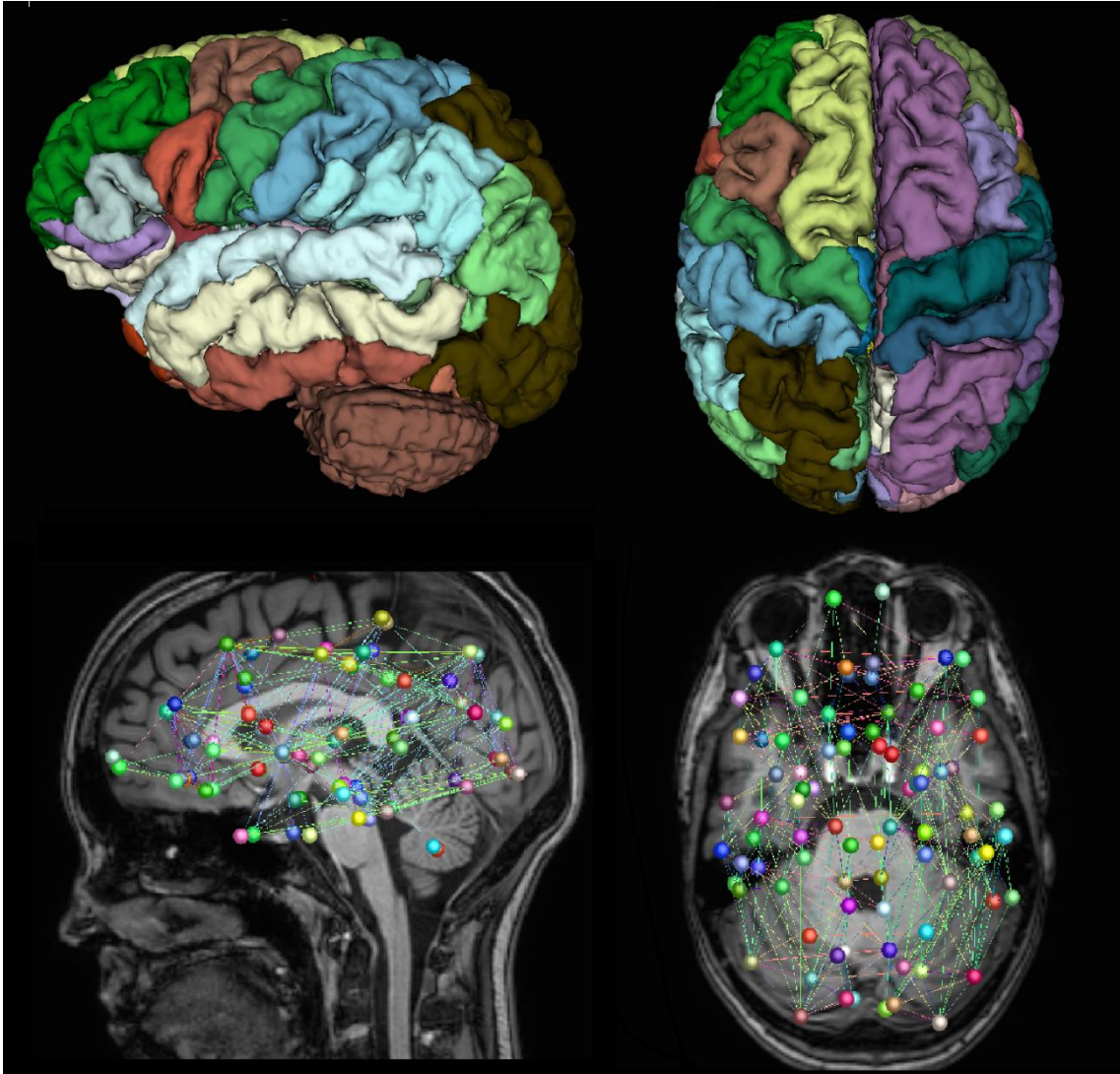


Figure S2: Upper row: Lateral and superior views of the regions from which the structural connectivity matrix was built. Lower row: Lateral and superior views of hypothetical dMRI network based on segmented regions.

8. Supplementary References