

A Role for the Fornix in Temporal Sequence Memory

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Supplementary Materials

	Fornix		ILF		PHC	
	Group mean	SD	Group mean	SD	Group mean	SD
FWE-FA	0.40	0.01	0.44	0.02	0.35	0.03
FWE-MD	0.09×10^{-2}	0.03×10^{-3}	0.07×10^{-2}	0.01×10^{-3}	0.07×10^{-2}	0.01×10^{-3}
FWE-RD	0.07×10^{-2}	0.03×10^{-3}	0.05×10^{-2}	0.02×10^{-3}	0.06×10^{-2}	0.02×10^{-3}
FWE-AD	0.14×10^{-2}	0.05×10^{-3}	0.11×10^{-2}	0.03×10^{-3}	0.10×10^{-2}	0.02×10^{-3}
NDI	0.45	0.03	0.51	0.03	0.46	0.02
ODI	0.15	0.01	0.19	0.02	0.24	0.02
PC1	-2.60	0.42	1.30	0.38	1.30	0.32
PC2	-0.04	0.53	-1.43	0.87	1.47	0.97

Table S1. Mean along-tract, bilaterally averaged tract microstructure metrics.

	PC1	PC2
FWE-FA	-0.027	-0.674
FWE-MD	-0.527	0.046
FWE-AD	-0.521	-0.126
FWE-RD	-0.495	0.222
NDI	-0.255	-0.502
ODI	0.375	0.476

Table S2. PCA loadings.

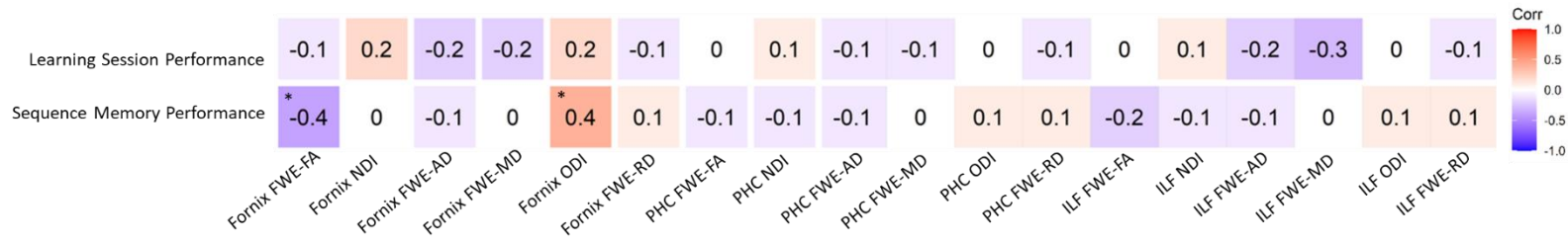


Figure S1. Relationships between individual tract microstructure measures and behavioural data.

The colours indicate positive and negative correlations according to the key to the left. Pearson r values are shown, and the asterisks indicate significant (at alpha level = 0.05) correlations.

FWE-AD: Axial Diffusivity. FWE-FA: Fractional Anisotropy. FWE-MD: Mean Diffusivity. FWE-RD: Radial Diffusivity (with Free Water Elimination). ILF: Inferior Longitudinal Fasciculus. PHC: Parahippocampal Cingulum. NDI: Neurite Density Index. ODI: Orientation Dispersion Index.