

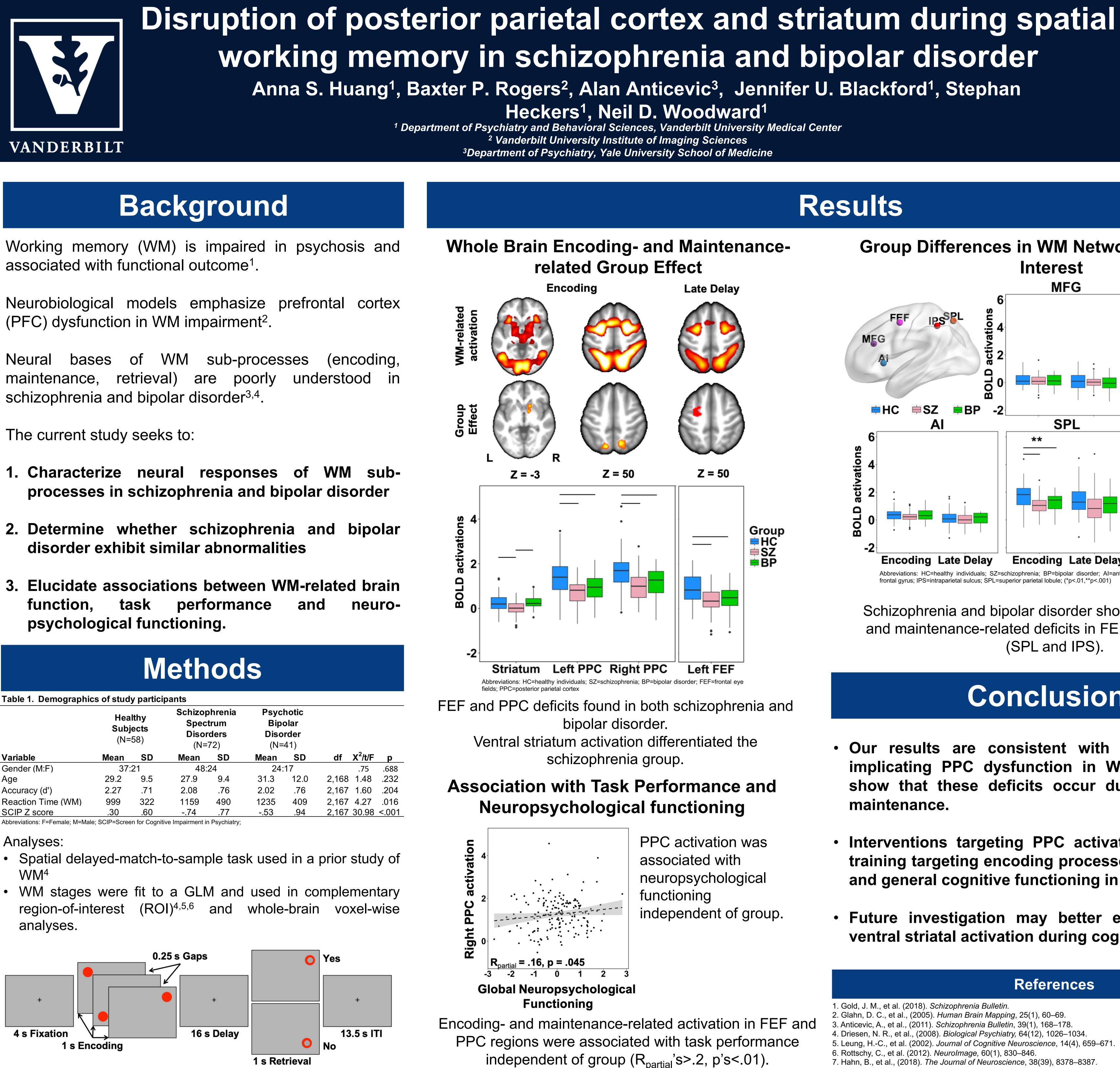
sub-processes bases

- disorder exhibit similar abnormalities
- function, task performance and psychological functioning.

Table 1. Demographic	cs of stud	y partici	pants					
	Healthy Subjects (N=58)		Schizophrenia Spectrum Disorders (N=72)		Psychotic Bipolar Disorder (N=41)			
Variable	Mean	SD	Mean	SD	Mean	SD	df	X ² /t/F
Gender (M:F)	37:21		48:24		24:17			.75
Age	29.2	9.5	27.9	9.4	31.3	12.0	2,168	1.48
Accuracy (d')	2.27	.71	2.08	.76	2.02	.76	2,167	1.60
Reaction Time (WM)	999	322	1159	490	1235	409	2,167	4.27
SCIP Z score	.30	.60	74	.77	53	.94	2,167	30.98

Abbreviations: F=Female; M=Male; SCIP=Screen for Cognitive Impairment in Psychiatry

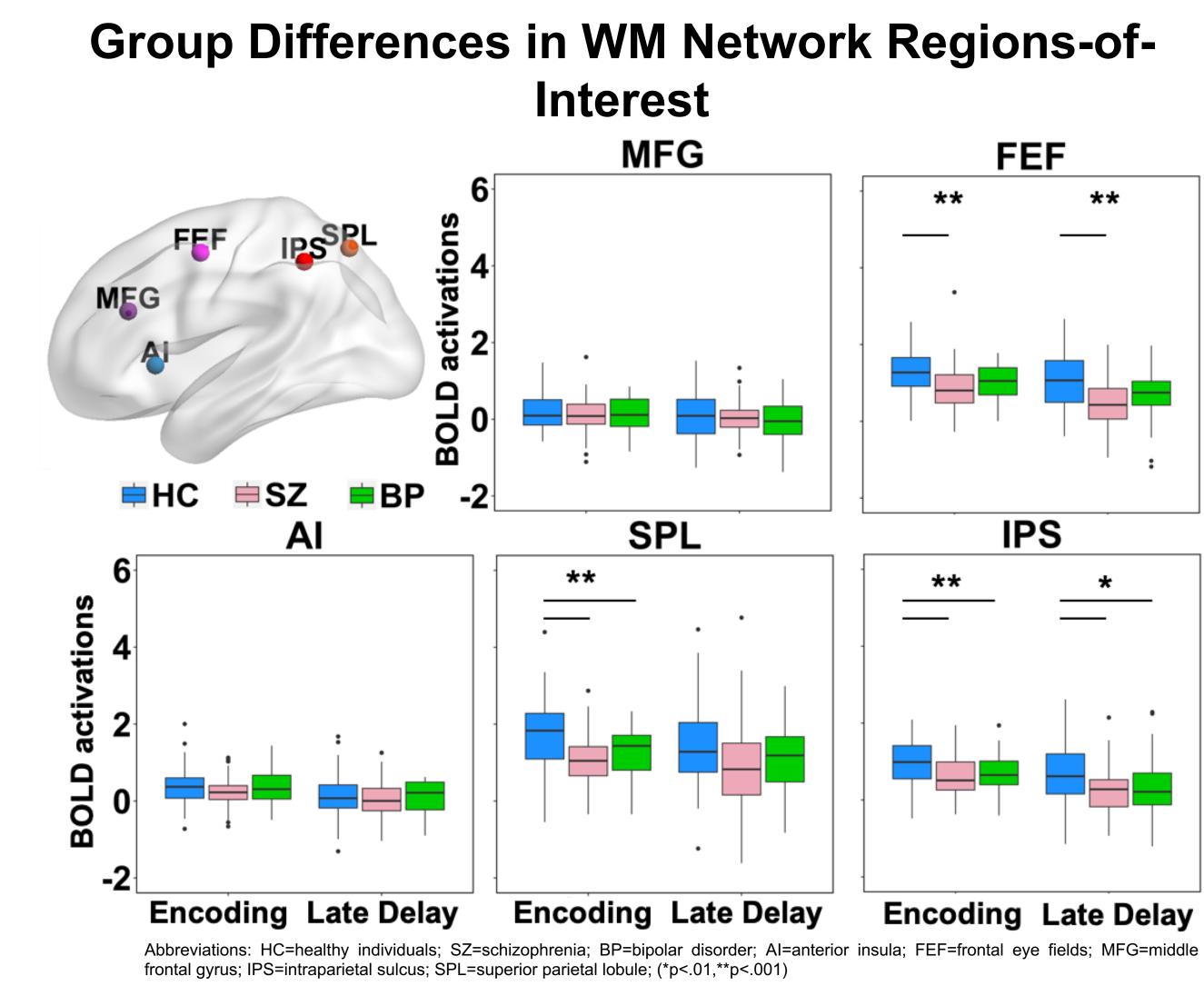
- WM^4
- analyses.



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Results



Schizophrenia and bipolar disorder show similar encodingand maintenance-related deficits in FEF and PPC regions (SPL and IPS).

Conclusions

- Our results are consistent with emerging evidence implicating PPC dysfunction in WM impairment⁷ and show that these deficits occur during encoding and maintenance.
- Interventions targeting PPC activation and behavioral training targeting encoding processes may improve WM and general cognitive functioning in psychosis.
- Future investigation may better elucidate differential ventral striatal activation during cognition in psychosis.

	References					
nd	 Gold, J. M., et al. (2018). Schizophrenia Bulletin. Glahn, D. C., et al., (2005). Human Brain Mapping, 25(1), 60–69. Anticevic, A., et al., (2011). Schizophrenia Bulletin, 39(1), 168–178. Driesen, N. R., et al., (2008). Biological Psychiatry, 64(12), 1026–1034. Leung, HC., et al. (2002). Journal of Cognitive Neuroscience, 14(4), 659–671. Rottschy, C., et al. (2012). NeuroImage, 60(1), 830–846. Hahn, B., et al., (2018). The Journal of Neuroscience, 38(39), 8378–8387. 					
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