ERRATUM

Erratum to: Genetic Influences on Four Measures of Executive Functions and Their Covariation with General Cognitive Ability: The Older Australian Twins Study

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In the published paper, there are errors in the tables. The corrections are as follows. In Table 2, "WorkMem" should be printed in the same row along with the other three EF

variables, as shown in the revised table below. In Table 5, the E3 path for "Flexibility" should read 0.09 (-0.05, 0.23). In Table 6, the A2 paths for "WorkMem" and "Flexibility" were both significant and should be aster-isked; the E4 path for "Flexibility" should read -0.02 (-0.16, 0.13).

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N (individuals)	Twin correlations		Phenotypic correlations			
	MZ (186–254)	DZ (154–218)	WorkMem	Fluency	Inhibition	Flexibility
GCA	0.74 (0.64; 0.81)	0.29 (0.08; 0.46)	0.38 (0.29; 0.46)	0.26 (0.16; 0.30)	0.31 (0.20; 0.41)	0.26 (0.16; 0.35)
WorkMem	0.59 (0.46; 0.69)	0.28 (0.10; 0.45)		0.27 (0.18; 0.36)	0.13 (0.12; 0.24)	0.15 (0.06; 0.24)
Fluency	0.66 (0.55; 0.75)	0.13 (-0.07; 0.32)			0.06 (-0.06; 0.18)	0.06 (-0.04; 0.16)
Inhibition	0.29 (0.08; 0.47)	0.10 (-0.16; 0.34)				0.15 (0.04; 0.25)
Flexibility	0.31 (0.13; 0.47)	0.22 (0.01; 0.47)				

Table 2 Maximum likelihood estimation of twin correlations and phenotypic correlations between the four executive function variables and general cognitive ability (GCA), corrected for age and sex with 95% confidence intervals in parentheses

MZ monozygotic twin, DZ dizygotic twin, WorkMem digit span backward, Fluency controlled oral word association test, Inhibition Stroop3/1 ratio score, Flexibility TMTB/A ratio score

 Table 5 Cholesky AE decomposition showing genetic (A) and environmental (E) influences on the relationship between GCA, WorkMem, fluency, inhibition, and flexibility

	GCA	WorkMem	Fluency	Inhibition	Flexibility
A paths					
A1	0.86 (0.80, 0.90)*	0.40 (0.28, 0.50)*	0.29 (0.16, 0.42)*	0.31 (0.16, 0.44)*	0.27 (0.14, 0.39)*
A2		0.66 (0.56, 0.74)*	0.17 (0.01, 0.32)*	0.07 (-0.11, 0.25)	0.18 (0.03, 0.34)*
A3			0.73 (0.64, 0.80)*	-0.06 (-0.23, 0.12)	-0.13 (-0.29, 0.03)
A4				0.45 (0.17, 0.45)*	0.08 (-0.25, 0.42)
A5					0.43 (-0.59, 0.59)
E paths					
E1	0.52 (0.45, 0.60)*	0.08 (-0.03, 0.20)	0.01 (-0.10, 0.13)	0.09 (-0.06, 0.25)	0.04 (-0.10, 0.19)
E2		0.63 (0.56, 0.72)*	0.08 (-0.03, 18)	-0.08 (-0.23, 0.08)	-0.12 (-0.26, 0.01)
E3			0.59 (0.51, 0.68)*	0.01 (-0.16, 0.17)	0.09 (-0.05, 0.23)
E4				0.82 (0.72, 0.93)*	0 (-0.16, 0.14)
E5					0.81 (0.73, 0.90)*

* Significant paths (p < 0.05)

Table 6 Best fitting Cholesky decomposition showing genetic (A) and environmental (E) influences on the relationship between NART-IQ, WorkMem, fluency, inhibition, and flexibility

	NART-IQ	WorkMem	Fluency	Inhibition	Flexibility
A paths					
A1	0.90 (0.86, 0.92)*	0.44 (0.34, 0.53)*	0.32 (0.20, 0.43)*	0.39 (0.26, 0.50)*	0.20 (0.08, 0.31)*
A2		$-0.64 (-0.71, -0.54)^*$	-0.15 (-0.29, 0.0)	-0.03 (-0.21, 0.14)	-0.23 (-0.39, -0.07)*
A3			0.73 (0.65, 0.79)*	-0.06 (-0.22, 0.11)	-0.10 (-0.25, 0.05)
A4				0.41 (0.05, 0.57)*	0.16 (-0.18, 0.55)
A5					0.44 (-0.60, 0.60)
E paths					
E1	0.44 (0.38, 0.51)*	0.05 (-0.05, 0.17)	0.11 (0, 0.22)	0.04 (-0.13, 0.21)	0.08 (-0.06, 0.22)
E2		0.63 (0.56, 0.71)*	0.06 (-0.04, 0.16)	-0.09 (-0.24, 0.07)	-0.13 (-0.26, 0)
E3			0.57 (0.50, 0.66)*	-0.02(-0.18, 0.15)	0.06 (-0.08, 0.20)
E4				0.82 (0.72, 0.92)*	-0.02 (-0.16, 0.13)
E5					0.80 (0.72, 0.89)*

* Significant paths (p < 0.05)