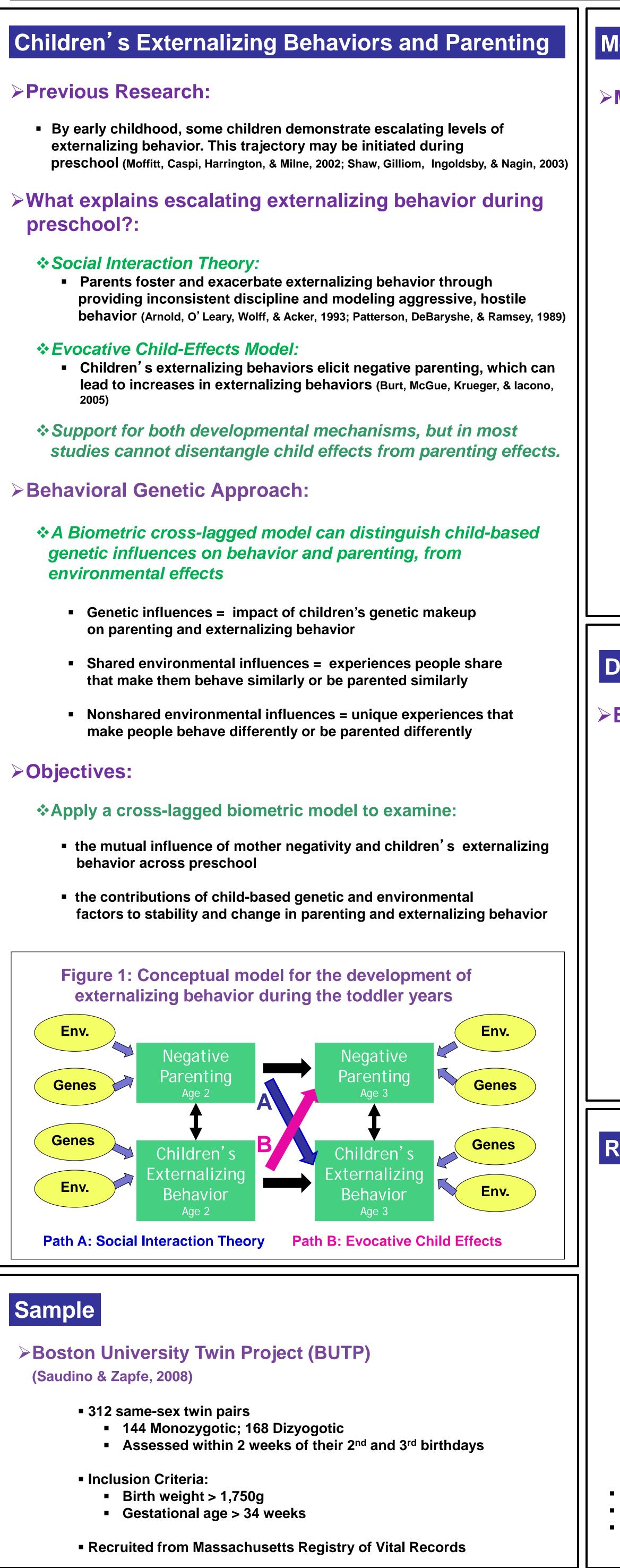
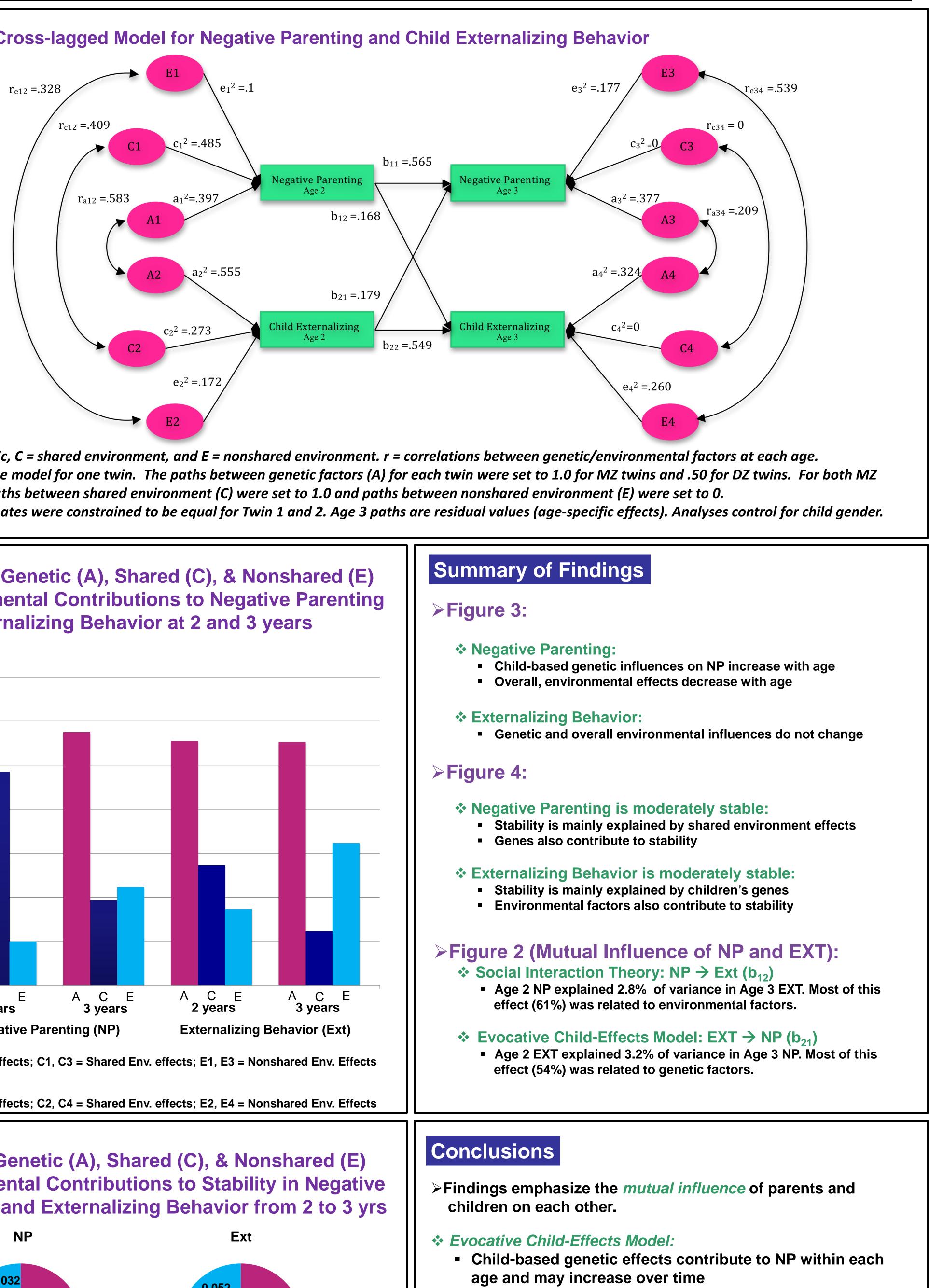
Negative Parenting and Externalizing Behavior Across Preschool: A Cross-lagged Analysis Gina R. Raciti¹, Jody M. Ganiban¹, Manjie Wang², Tova Jacobs¹, Lara Zappaterra¹, Fern Race¹ & Kimberly J. Saudino² ¹Department of Psychology, The George Washington University ² Department of Psychology, Boston University

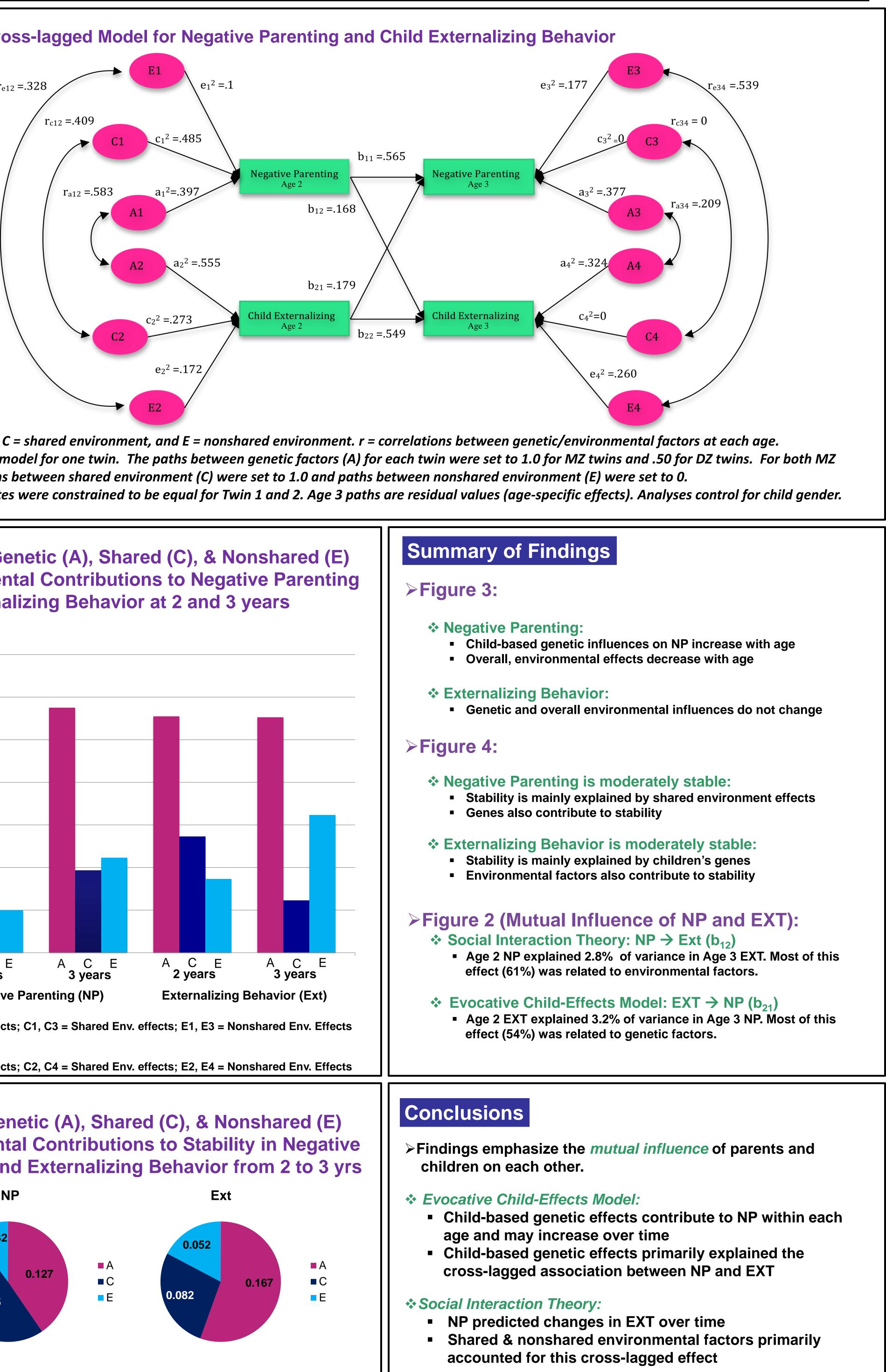


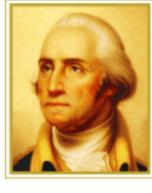


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lethods								≻Figure 2: C
Measures:								
Mother's Negative Parenting (NP)								
Mother self-reports, assessed at 2 and 3 years								
Negative Discipline Strategies (Deater-Deckard, 2000) Scored 1 (non-restrictive/positive guidance) to 5 (severe/physical punishment)								
 Parent Feelings Questionnaire (Deater-Deckard, 2000) Feelings toward each child and the parent-child relationship Scored 1 (definitely untrue) to 5 (definitely true) 								
 Positive/negative emotions about the child Scored 1 (never) to 10 (all the time) 								
Parenting Composite: A negative parenting composite score was created via factor analysis. The internal reliability for the resulting composite was high (α' s = .9093).								
Children's Externalizing Behavior (EXT)								
Child Behavior Checklist (CBCL; Achenbach & Rescorla, 2000) Mother report, assessed at 2 and 3 years								*p<.05 Note: A = genetic
 Externalizing Behaviors (α' s .9091), including: Inattention, Aggression, Defiance, & Destructive Behaviors Scored 0 (not true) to 2 (very true) 								Figure depicts the and DZ twins, path Parameter estima
								≻Figure 3: C
Data Analytic Strategy								Environme and Extern
Biometric Mo	odel Fi	tting						
A cross-lagged biometric model (Figure 2) was used to assess parent and child influences on NP and EXT across preschool								0.7
This model estimates the contributions of latent genetic and environmental factors to variance in NP and EXT at ages 2 and 3 years								0.5 9
 Genetic Factors: Children's genetic makeup Latent factors A1, A2, A3, A4 								0.4 Aariance
 Shared Environmental Factors: Experiences that make cotwins similar to each other Latent factors C1, C2, C3, C4 								0.2
 Nonshared Environmental Factors: Unique experiences that make cotwins different from each other Latent factors E1, E2, E3, E4 								0.1
		,,	, - -					0 A C 2 year
Results								Negat *For NP: A1, A3 = Genetic effe
Table 1: Mea	ans ar	nd Co	rrelat	ions				<pre>*For Ext: A2, A4 = Genetic eff</pre>
	М	S.D.	NP T1	EXT T1	NP T2	EXT T2	7	
Negative Parenting Age 2	0	.72			12	12		Figure 4: G Environme
Externalizing Age 2	11.15	7.4	.47					Parenting a
Negative Parenting Age 3	0	.83	.67	.43			1	
Externalizing Age 3	10.99	7.6	.43	.68	.53			0.0
Note. all correlatio	ns significa	ant for <i>p</i>	< .0001					
Moderate stability Moderate within-a Moderate associa	age corre	lations	betweer	n EXT an	d NP (r=	.4753)	0.15







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