

Kit K. Elam

Curriculum Vitae

Contact Information

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Department of Applied Health Science
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Education

- | | |
|------|---|
| 2010 | Southern Illinois University, Ph.D., Brain and Cognitive Sciences |
| 2007 | Southern Illinois University, M.A., Brain and Cognitive Sciences |
| 2003 | University of Illinois, B.S., Business Administration |

Professional Positions

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|----------------|--|
| 2019 – Present | Associate Professor (tenured), Department of Applied Health Science, School of Public Health, Indiana University Bloomington |
| 2015 – 2019 | Assistant Professor, T. Denny Sanford School of Social and Family Dynamics, Arizona State University |
| 2013 – 2015 | NIMH T32 Postdoctoral Fellow, REACH Institute, Arizona State University |
| 2011 – 2013 | Postdoctoral Research Associate, Psychology Department, University of Leicester, UK |
| 2011 – 2013 | Affiliate Postdoctoral Scientist, School of Medicine, Cardiff University, UK |
| 2009 – 2013 | Affiliate Postdoctoral Scientist, Oregon Social Learning Center |
| 2009 – 2011 | Postdoctoral Fellow, Centre for Children and Families, University of Otago, NZ |

Research Activities

Research Dissemination

Peer-Reviewed Publications

- 43 total publications: 20 first-authored; 18 student first-authored/second authored
 - H-index: 18, i10-index: 22, Citation count: 1433
- *Denotes student/postdoc author**
1. **Elam, K. K.**, Su, J., Aliev, F., Seo, D., *Trevino, A., & *Kutzner, J. (accepted – in press). Polygenic effects on individual rule breaking, peer rule breaking, and alcohol sips in Early Adolescence in the ABCD study. *Research on Child and Adolescent Psychopathology*.
 2. **Elam, K. K.**, Mun, C. J., & Ha, T. (2023). Coping strategies as mediating mechanisms between adolescent polysubstance use classes and adult alcohol and substance use disorders. *Addictive Behaviors*, *139*, 107586.
 3. **Elam, K. K.**, Lemery-Chalfant, K., & Chassin, L. (2023). A gene-environment cascade theoretical framework of developmental psychopathology. *Journal of Abnormal Psychology*.
 4. *Han, D. H., **Elam, K. K.**, Quinn, P., Huang, C., & Seo, D. (2022). Within-person associations of escalated electronic nicotine delivery systems use with cigarette, alcohol, marijuana, and drug use behaviors among U.S. young adults. *Addiction*.
 5. *Kutzner, J., **Elam, K. K.**, & Ha, T. (2022). Genetic influences on the interplay between compulsive behavior and cannabis use in adolescence. *Journal of Adolescence*
 6. **Elam, K. K.**, Bountress, K. E., Ha, T., Shaw, D. S., Wilson, M. N., Aliev, F., ... & Lemery-Chalfant, K. (2022). Developmental genetic effects on externalizing behavior and alcohol use: Examination across two longitudinal samples. *Development and Psychopathology*. Advance Online Copy. doi: 10.1017/S0954579422000980.
 7. *O'Reilly, L., **Elam, K. K.**, Quinn, P., Adams, S., Chirica, M. G., Klonsky, E. D., Petterson, E., Lundstrom, S., Larsson, H., Lichtenstein, P. & D'Onofrio, B. (2022). Examining protective factors for substance use problems and self-injurious behavior during adolescence: A longitudinal co-twin control study. *Development and Psychopathology*.
 8. **Elam, K. K.**, Johnson, S. L., *Ruof, A., Eisenberg, D., Rej, P., Sandler, I., & Wolchik, S. (2022). Examining the influence of adversity, family contexts, and a family-based intervention on parent and child telomere length. *European Journal of Psychotraumatology*.
 9. **Elam, K. K.**, Clifford, S., *Ruof, A., Shaw, D., Wilson, M. & Lemery-Chalfant, K. (2022). Genotype-environment correlation by intervention effects underlying middle childhood

- peer rejection and associations with adolescent marijuana use. *Development and Psychopathology*, 34, 171-182.
10. *Waddell, J., **Elam, K. K.**, & Chassin, L (2022). Multidimensional impulsive personality traits mediate the effect of parent substance use disorder on adolescent alcohol and cannabis use. *Journal of Youth and Adolescence*, 51, 348-360.
 11. **Elam, K. K.**, Ha, T., *Neale, Z., Aliev, F., Dick, D. & Lemery-Chalfant, K. (2021). Polygenic effects on alcohol use in African Americans and European Americans: Age varying associations from adolescence to adulthood. *Scientific Reports*, 11, 22425.
 12. *Lee, B., Levy, D., Macy, J., **Elam, K. K.**, Bidulescu, A., & Seo, D. (2021). Smoking trajectories from adolescence to early adulthood as a longitudinal predictor of mental health in adulthood: Evidence from 21 years of a nationally representative cohort. *Addiction*.
 13. *Meléndez Guevara, A. M., Lindstrom Johnson, S., **Elam, K. K.**, *Rivas, T., *Berendzen, H., & *Gal-Szabo, D (2021). What does it mean to be trauma-informed? A multi-system perspective from practitioners serving the community. *Journal of Child and Family Studies*, 30, 2860-2876.
 14. **Elam, K. K.** & DiLalla, L. F. (2021). An introduction to the special issue: Developmental Behavior Genetics of Externalizing Psychopathology. *Behavior Genetics*, 51, 443-447.
 15. **Elam, K. K.**, Mun, C. J., *Kutzner, J., & Ha, T. (2021). Polygenic risk for aggression predicts adult substance use disorder diagnoses via substance use offending in emerging adulthood and is moderated by a family-centered intervention. *Behavior Genetics*, 51, 607-618.
 16. Ha, T., Van Ryzin, M., & **Elam, K. K.** (2021). Socialization processes within adolescents' relationships with parents and peers predicting couples' intimate partner violence in adulthood: A social learning perspective. *Development and Psychopathology*. Epub ahead of print.
 17. *Waddell, J. T., *Sternberg, A., *Bui, L., *Ruof, A. R., *Blake, A. J., Grimm, K. J., **Elam, K. K.**, Eisenberg, N., & Chassin, L. (2021). Relations between child temperament and adolescent negative urgency in a high-risk sample. *Journal of Research in Personality*, 90, 104056.
 18. *Meléndez Guevara, A. M., Lindstrom Johnson, S., **Elam, K. K.**, *Hilley, C., *Mcintire, C., & *Morris, K. (2021). Culturally responsive trauma-informed services: A multi-level perspective from practitioners serving Latinx children and families. *Community Mental Health Journal*, 57, 325-339.

19. **Elam, K. K.**, *Sternberg, A., *Waddell, J., *Blake, A., & Chassin, L. (2020). Mother and father prescription opioid misuse, alcohol use disorder, and parent knowledge in pathways to adolescent alcohol use. *Journal of Youth and Adolescence*, *49*, 1663-1673.
20. *Ruof, A., **Elam, K. K.**, & Chassin, L. (2020). Maternal influences on effortful control in adolescence: Developmental pathways to externalizing behaviors. *Social Development*, *29*, 411–426.
21. **Elam, K. K.**, Clifford, S., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2019). Gene set enrichment analysis to create polygenic risk scores for childhood aggression: A developmental examination of aggression. *Translational Psychiatry*, *9*, 212.
22. Shaw, D. S., *Galán, C. A., Lemery-Chalfant, K., Dishion, T., **Elam, K. K.**, & Wilson, M., & Gardner, F. (2019). Trajectories and predictors of children's early-starting conduct problems: Child, family, genetic, and intervention effects. *Development and Psychopathology*, *31*, 1911-1921.
23. **Elam, K. K.**, A., Sandler, I., Wolchik, S., Tein, J., & *Rogers (2019). Latent profiles of postdivorce parenting time, conflict and quality: Children's adjustment associations. *Journal of Family Psychology*, *33*, 499-510.
24. *Rogers, A., **Elam, K. K.**, Chassin, L., *Sternberg, A., & *Bui, L. (2018). Proximal and distal effects of sensation seeking and parenting environments and alcohol use trajectories from early adolescence to early adulthood. *Journal of Youth and Adolescence*, *47*, 2206-2219.
25. **Elam, K. K.**, Chassin, L., & *Pandika, D. (2018). Polygenic risk, family cohesion, and adolescent aggression in Mexican-American and European-American families: Developmental pathways to alcohol use. *Development and Psychopathology*, *30*, 1715-1728.
26. Lindstrom Johnson, S., **Elam, K. K.**, *Rogers, A., & *Hilley, C. (2018). A meta-analysis of parenting practices and child psychosocial outcomes in trauma-informed parenting interventions after violence exposure. *Prevention Science*, *19*, 927-938.
27. *Sternberg, A., *Pandika, D., **Elam, K. K.**, & Chassin, L. (2018). The relation of parent alcohol disorder to young adult drinking outcomes mediated by parenting: Effects of developmentally limited versus persistent parent alcohol disorder. *Drug and Alcohol Dependence*, *188*, 224-231.
28. **Elam, K. K.** & DiLalla, L. F. (2018). Minute-to-minute trajectories of child unresponsiveness and parent sensitivity in parent–child interactions: The role of DRD4. *Social Development*, *27*, 952-966.
29. **Elam, K. K.**, Chassin, L., Lemery-Chalfant, K., *Pandika, D., *Wang, F., *Bountress, K., Dick, D., & Agrawal, A. (2017). Affiliation with substance-using peers: Examining gene-

environment correlations among parent monitoring, polygenic risk, and children's impulsivity. *Developmental Psychobiology*, 59, 561-573.

30. **Elam, K. K.**, Chassin, L., Eisenberg, N., & Spinrad, T. (2017). Marital stress and children's externalizing behavior as predictors of mothers' and fathers' parenting. *Development and Psychopathology*, 29, 1305-1318.
31. **Elam, K. K.**, *Wang, F., *Bountress, K., Chassin, L., *Pandika, D., & Lemery-Chalfant, K. (2016). Predicting substance use in emerging adulthood: A genetically informed study of developmental transactions between impulsivity and family conflict. *Development and Psychopathology*, 28, 673-688.
32. **Elam, K. K.**, Sandler, I., Wolchik, S., & Tein, J. (2016). Non-residential father-child involvement, interparental conflict and mental health of children following divorce: A person-focused approach. *Journal of Youth and Adolescence*, 45, 581-593.
33. **Elam, K. K.**, Harold, G. T., Neiderhiser, J. M., Reiss, D. R., Shaw, D. S., Natsuaki, M. N., Gaysina, D., Barrett, D. & Leve, L. D. (2014). Adoptive parent hostility and children's peer behavior problems: Examining the role of genetically informed child attributes on adoptive parent behavior. *Developmental Psychology*, 50, 1543-1552.
34. *Sellers, R., Harold, G. T., **Elam, K. K.**, *Rhoades, K.A., *Potter, R., *Mars, B., Craddock, N., Thapar, A., & Collishaw, S. (2014). Maternal depression and co-occurring antisocial behaviour: testing maternal hostility and warmth as mediators of risk for offspring psychopathology. *Journal of Child Psychology and Psychiatry*, 55, 112-120.
35. *Lewis, K., **Elam, K. K.**, *Sellers, R., *Rhoades, K. A., Bevan-Jones, R., Thapar, A. K., Rice, F., Collishaw, S., Harold, G. T., & Thapar, A. (2013). The Depression Impairment Scale for Parents (DISP): A new scale for the measurement of impairments in depressed parents. *Psychiatry Research*, 210, 1184-1190.
36. Harold, G. T., Leve, L., Barrett, D., **Elam, K. K.**, Neiderhiser, J., Natsuaki, M., Shaw, D., Reiss, D., & Thapar, A. (2013). Biological and rearing mother influences on child ADHD symptoms: Revisiting the developmental interface between nature and nurture. *Journal of Child Psychology and Psychiatry*, 54, 1038-1046.
37. *Mars, B., Harold, G. T., **Elam, K. K.**, *Sellers, R., Owen, M., Craddock, N., Thapar, A., Rice, F., Collishaw, S., & Thapar, A. (2013). Specific parental depression symptoms as risk markers for new onset depression in high-risk offspring. *Journal of Clinical Psychiatry*, 74, 925-931.
38. Gaysina, D., Fergusson, D. M., Leve, L. D., Horwood, J., Reiss, D., Shaw, D. S., **Elam, K. K.**, Natsuaki, M. N., Neiderhiser, J. M., & Harold, G. T. (2013). Maternal smoking during pregnancy and offspring conduct problems: Evidence from three independent genetically-sensitive design studies. *JAMA Psychiatry*, 70, 956-963.

39. Harold, G. T., Leve, L. D., **Elam, K. K.**, Thapar, A., Neiderheiser, J. M., Natsuaki, M. N., Shaw, D. S., & Reiss, D. (2013). The nature of nurture: Disentangling passive genotype-environment correlation from family relationship influences on children's externalizing problems. *Journal of Family Psychology, 27*, 12-21.
40. Harold, G. T., **Elam, K. K.**, *Lewis, G., *Rice, F., & Thapar, A. (2012). Interparental conflict, parent psychopathology, hostile parenting, and child antisocial behavior: Examining the role of maternal versus paternal influences using a novel genetically sensitive research design. *Development and Psychopathology, 24*, 1283-1295.
41. Leve, L. D., Harold, G. T., Van Ryzin, M. J., **Elam, K. K.**, & Chamberlain, P. (2012). Girls' tobacco and alcohol use during early adolescence: Prediction from trajectories of depressive symptoms across two studies. *Journal of Child & Adolescent Substance Abuse, 21*, 254-272.
42. **Elam, K. K.**, Carlson, J. M., DiLalla, L. F., & Reinke, K. S. (2010). Emotional faces capture spatial attention in 5-year-old children. *Evolutionary Psychology, 8*, 754-767.
43. DiLalla, L. F., **Elam, K. K.**, & Smolen, A. (2009). Genetic and gene-environment interaction effects on preschoolers' social behaviors. *Developmental Psychobiology, 51*, 451-464.

Book Chapters

1. **Elam, K. K.**, Bettinger, S., Qin, W., Kutzner, J., & Summit, A. G. (2023). Polygenic risk for aggression and developmental links with substance use via gene-environment interplay. In C. R. Martin, V. B. Patel, & V. R. Preedy (Eds.), *Anger Aggression, and Violence: Causes, Pathology and Treatments*. Berlin, DE: Springer Nature.
2. Chassin, L., *Blake, A., *Sternberg, A., *Bui, L., *Ruof, A., *Waddell, J. T., **Elam, K. K.**, & *Paxton, L. (2021). Parent substance use and child and adolescent health outcomes. In R. Corona (Ed.), *Encyclopedia of Child and Adolescent Health*. Oxford, UK: Elsevier.
3. DiLalla, L. F., Mullineaux, P. Y., & Elam, K.K. (2008). Twins. In M. M. Haith & J. B. Benson (Eds.), *Encyclopedia of Infant and Early Childhood Development*. Vol. 3 (pp. 369-379). St. Louis, MO: Elsevier Inc.
 - Reprinted in (2009). J. B. Benson & M. M. Haith (Eds.), *Language, memory, and cognition in infancy and early childhood*.
 - Reprinted in (2009). J. B. Benson & M. M. Haith (Eds.), *Social and emotional development in infancy and early childhood*.
 - Reprinted in (2017). In Reference Module in *Neuroscience and Biobehavioral Psychology*, Elsevier. ISBN 9780128093245

Reports

1. Harold, G. T., **Elam, K. K.**, Lewis, G., & Thapar, A. (2011). Improving the long-term health and well being of children in Wales. *Report for the Welsh Assembly Government*. Centre for Research on Children and Families.

2. Harold, G., & **Elam, K. K.** (2011). Development of a psychological risk assessment protocol for practitioners working with children in the family justice system. *Report for the Welsh Family Court*. Centre for Research on Children and Families.
3. **Elam, K. K.**, Taumoepeau, M., Taylor, N., Gollop, M., & Harold, G. T. (2010). Parenting influences on children. *Report for the New Zealand Family Court*. Centre for Research on Children and Families.
4. Harold, G. T., & **Elam, K. K.**, Gollop, M., & Taumoepeau (2010). Smoking impacts on adolescent development. *Report for the New Zealand National Science Advisory Committee*. Centre for Research on Children and Families.
5. Harold, G. T., **Elam, K. K.**, & Gallop, M. (2010). Child maltreatment. *Report for the New Zealand National Science Advisory Committee*. Centre for Research on Children and Families.
6. Harold, G. T., **Elam, K. K.**, & Taumoepeau, M. (2010). Families and children: A focus on parental separation and domestic violence. *Report for the New Zealand National Science Advisory Committee*. Centre for Research on Children and Families.

Publications Under Review/Revision

1. **Elam, K. K.**, Su, J., *Kutner, J., & *Trevino, A. (under review). Individual trajectories of depressive symptoms across early adolescence in African Americans, European Americans, and Latinx: Associations with polygenic risk for depression and substance use intent and harm. *Behavior Genetics*.
2. Clifford, S., *Oro, V., **Elam, K. K.**, Shaw, D., Wilson, M., & Lemery-Chalfant, K. (under review). Moderation of associations between polygenic risk for alcohol use and childhood inhibitory control: A randomized controlled intervention study. *Journal of Consulting and Clinical Psychology*.
3. **Elam, K. K.**, *Borriello, G. A., Salvatore, J., Aliev, F., Dick, D., & Ha, T. (under review). Polygenic predisposition for educational attainment predicts self and partner educational attainment and alcohol use frequency. *ACER*.
4. *Yuan, S., **Elam, K. K.**, Johnston, J., & Chow, A. (in revision). The Influence of Marriage and Cohabitation on Physical Activity among Middle-aged and Older People. *Journal of Applied Gerontology*.

Publications in Preparation

1. Kutzner, J., Summit, A., Qin, W., Bettinger, S., Quinn, P., **Elam, K. K.** (in preparation). Smoking during pregnancy and offspring substance use: An inferential systematic review. *Analyses complete, in writeup.*
2. **Elam, K. K.** (in preparation). Evocative gene-environment correlations underlying child behavior and parenting: A systematic review. *Preparing for resubmission.*
3. *Bui, L., White, R., **Elam, K. K.**, Lemery-Chalfant, K. & Chassin, L. (in preparation). Considering neighborhood as an environmental context: A systematic review of studies of gene by neighborhood interactions in predicting externalizing behaviors. *Analyses complete, in writeup.*
4. *Hilley, C., Lindstrom Johnson, S., **Elam, K. K.**, Wolchik, S., & Sandler, I. (in preparation). Future educational expectations and coping efficacy as mediators of the prospective association between academic and work competence among children of divorce. *Analyses complete, in writeup.*
5. *Borriello, G. A., **Elam, K. K.**, *Rea-Sandin, G., Lemery-Chalfant, K., Aliev, F., Dick, D., & Ha, T. (in preparation). Long-term effects of polygenic predisposition for educational attainment on educational attainment mediated by inhibitory control. *Analyses complete, in writeup.*

Grant Funding

*Denotes direct costs allocated to me

Extramural Grants Awarded

Gene-Environment Interplay Underlying Negative Family Environments and Family-Based Interventions in Early Adolescent Substance Use

K01 DA042828

08/15/2017 – 07/31/2023

Principal Investigator (**Elam**)

\$718,080 (\$664,888*)

NIH/NIDA/OBSSR

Undergraduate Research Program to Address Cardiovascular Health

Institutional Undergraduate Student Fellowship Program

01/01/2020 – 12/31/2023

Training Sponsor (**Elam**)

\$60,000

American Heart Association

Culturally Sensitive Trauma-Informed Care: Learning from Latino Families

Trauma Psychology Grant

7/31/2019 – 7/31/2020

Principal Investigator (**Elam**)

\$3,498.28*

American Psychological Foundation

Developing Positive Family Support for Students Exposed to Trauma

Education Research Grant

09/2021 – 09/2026

Consultant (**Elam**)

\$912,606

Institute of Educational Sciences

Internal Grants Awarded

The Influence of Negative Family Environments on Telomere Length in Parents and Children in the Multicourt Study

Sanford School Faculty Facilitation Award

10/2018 – 10/2019

Principal Investigator (**Elam**)

\$5,090*

T. Denny Sanford School of Social and Family Dynamics

Arizona State University

Examining Gene-Environment Interplay in the Social Sciences

Health in the Social Sciences

5/2017 – 8/2017

Principal Investigator (**Elam**)

\$7,500*

College of Liberal Arts and Sciences, Arizona State University

Grants in Revision

Extramural Grants

Grandparent and Parent Risk and Protective Factors Underlying Alcohol Use in Diverse Adolescents (2024-2028)

National Institute on Alcoholism and Alcohol Abuse, R01

Principal Investigator (**Elam**)

This project will examine grandparent and parent level risk and protective factors underlying the intergenerational transmission of alcohol use disorder in two large longitudinal samples.

Status: First round submitted February 2023, scored 50th percentile. Planned revision November 2023.

Grants in Submission

Extramural Grants

-NA-

Grants Submitted – Not Awarded

Extramural Grants

Genetic Influences in Selection and Socialization of Alcohol Use in Peer Networks and Romantic Relationships from Adolescence to Adulthood (2023-2027)

National Institute on Alcohol Abuse and Alcoholism, R01

Co-Investigator (**Elam**)

This project aims to identify genetic influences underlying peer and romantic partner risk and resilience factors within networks in the emergence and continuance of alcohol use and disorder.

Status: Revision submitted February 2023, not funded.

Genetic, Neurobehavioral, and Peer Network Mechanisms Underlying Cannabis Polysubstance use in Early Adolescence and SUD in Adulthood (2023-2027)

National Institute on Drug Abuse, R01

Multiple Principal Investigator (**Elam**, Meier, Ha)

This project will examine genetic, neurobehavioral, and peer influences on the development of cannabis polysubstance use in two large longitudinal datasets.

Status: Submitted November 2022, not funded.

Interpersonal, Parent-Parent and Parent-Child Dyadic Processes Underlying Parent Alcohol Use, Intimate Partner Violence, and Adolescent Alcohol Cognition and Use (2022-2027)

National Institute on Alcohol Abuse and Alcoholism, R01

Multiple Principal Investigator (**Elam**, 27%)

Total Direct Costs: \$2,492,423

This project examines in-the-moment associations among parents' substance abuse, interparental violence, and adolescents' substance use, and how genetic effects contribute to parent and child substance use and their intergenerational transmission.

Submission: Submitted March 2022, not funded.

Investigating Genetic Influences on Neurological and Social Risk and Resilience Factors Underlying Adolescent Substance Use (2022 – 2027)

National Institute on Drug Abuse, R01

Principal Investigator (**Elam**, 36%)

Total Direct Costs: \$1,223,104

This project examines the genetic prediction of adolescent brain functioning and social interactions, their interplay, and their collective impact on adolescent substance use over time.

Status: Submitted 2021, not funded.

Theoretically-Driven Pilot and Feasibility Study to Prevent Adolescent Vaping (2022-2023)

National Institute on Drug Abuse, R34

Co-Investigator (**Elam**, 10%)

Total Direct Costs: \$450,000

This project aims to identify predictive factors of adolescent vaping and examine their feasibility as preventive mechanisms to prevent and reduce adolescent vaping.

Status: Submitted 2021, not funded.

Genetic Influences in Selection and Socialization of Alcohol Use in Peer Networks and Romantic Relationships from Adolescence to Emerging Adulthood (2022-2027)

National Institute on Alcohol Abuse and Alcoholism, R01

Multiple Principal Investigator (**Elam**, 27%)

Total Direct Costs: \$1,996,342

This project aims to identify genetic influences underlying peer and romantic partner risk and resilience factors in the emergence and continuance of alcohol use and disorder.

Status: Submitted 2021, not funded.

Applied Instruction in Drug Use and Addiction Research (2022-2027)

National Institute on Drug Abuse, R25

Mentor & Lecturer (**Elam**)

This application would provide the establishment of a summer research institute on substance use for undergraduates in the IU system.

Status: Initial submission scored 2020, revision submitted 2021, not funded.

Connecting Functional Polygenic Scores to Brain Structure and Function in Pathways to Adolescent Substance Use (Avenir Award: 2021-2026)

National Institute on Drug Abuse, Avenir Award

Principal Investigator (**Elam**)

Total Direct Costs: \$1,443,915

This project examines the associations between genetic predisposition for substance use, brain structure and function, and adolescent substance use.

Status: Second round review submitted 2020, not funded.

Proximal and Genetic effects on the intergenerational transmission of Substance Abuse and Intimate Partner Violence (2021-2026)

National Institute on Drug Abuse, R01

Multiple Principal Investigator (**Elam**, 31%)

Total Direct Costs: \$2,483,141

This project examines in-the-moment associations among parents' substance abuse, interparental violence, and adolescents' substance use, and how genetic effects contribute to parent and child substance use and their intergenerational transmission.

Status: Revision submitted 2020, not funded.

An Intergenerational Approach to Preventing Violence Supporting Resilience in Substance Using Adolescents (2019-2021)

Centers for Disease Control, R01

Multiple Principal Investigator (**Elam**, 15%)

Total Direct Costs: \$1,050,000

This project supports adolescents at risk for substance use, mental health problems, and violence perpetration by providing families with an evidence-based parenting intervention.

Status: Submitted 2019, not funded.

Social and biological outcomes in trauma exposed children: Examining the effects of gene-environment and a family-based intervention (2018-2019)

Russell-Sage Foundation

Multiple Principal Investigator (**Elam**, 50%)

Total Direct Costs: \$145,872

This project examines variation in social, behavioral, and biological outcomes in children following trauma exposure as a function of social inequality and genetic predisposition.

Status: Submitted 2017, not funded.

Improving Parent Support for Students Exposed to Trauma: Understanding Effects on Academic Achievement, Mental Health, and School Climate (2017-2018)

Spencer Foundation

Multiple Principal Investigator (**Elam**, 50%)

Total Direct Costs: \$41,725

This project seeks to conduct a randomized controlled trial to evaluate the impact of a modification of an evidence-based parenting intervention for youth exposed to trauma.

Status: Submitted 2017, not funded.

Internal Grants

Somatic and Mental Health Symptoms Underlying College Students' Substance Use During COVID-19

Office of the Vice Provost for Research, Indiana University Bloomington

Multiple Principal Investigator (**Elam**, 50%)

Total Direct Costs: \$27,689

This project examines associations between college students somatic and mental health symptoms and substance use and variation during the COVID-19 pandemic.

Status: Submitted 2020, not funded.

Refereed Presentations at National/International Conferences

- 61 total: 28 first authored; 25 student first-authored/second authored

***denotes student/postdoc authors**

1. **Elam, K. K.**, Su, J., *Kutzner, J., & *Trevino, A. (2023, April). Individual Trajectories of Depression Across Early Adolescence: Associations with Polygenic Risk for Depression and Perceptions of Substance Use Harm. Paper accepted for the Society for Research on Adolescence Biennial Meeting, San Diego, CA.
2. *Kutzner, J., **Elam, K. K.**, & Ha, T. (2023, April). The Contribution of Depression Polygenic Risk Scores and Alcohol Use and Disorder in Late Adolescence Towards Depression in Young Adulthood. Poster accepted for the Society for Research on Adolescence Biennial Meeting, San Diego, CA.
3. Su, J., Trevino, A., Lemery-Chalfant, K. Seaton, E. K., **Elam, K. K.** & Causadias, J. M. (2023, April). Examining the Role of Racial Discrimination in Moderating Genetic and Environmental Influences on Racial/Ethnic Minority Adolescent Externalizing Psychopathology. Paper accepted for the Society for Research on Adolescence Biennial Meeting, San Diego, CA.
4. Trevino, A., Su, J., Jamil, B., Lemery-Chalfant, Causadias, J. M. & **Elam, K. K.** (2023, April). The Effect of Attitudinal Familism on Youth Externalizing Behaviors: Testing for Gene-Environment Interactions in Racial/Ethnic Minority Youth. Poster accepted for the Society for Research on Adolescence Biennial Meeting, San Diego, CA.
5. Yuan, S., **Elam, K.**, Johnston, J., & Chow, A. (2022, November). The Influence of Marriage and Cohabitation on Physical Activity among Middle-aged and Older People. Poster presented at the 2022 Gerontological Society of American Annual Scientific Meeting
6. **Elam, K. K.**, Su, J., Aliev, F., Seo, D., *Trevino, A., & *Kutzner, J. (2022, June). Polygenic effects on individual rule breaking and peer rule breaking in pathways to alcohol sips in the ABCD study. Paper presented at the Behavior Genetics Association Annual Meeting, Los Angeles, CA.

7. *Kutzner, J., **Elam, K. K.**, Aliev, F. & Ha, T. (2022, June). Polygenic effects on sex initiation and risky sexual behavior across early adulthood. Poster presented at the Behavior Genetics Association Annual Meeting, Los Angeles, CA.
8. *Trevino, A., Su, J., *Jamil, B., Aliev, F., **Elam, K. K.**, & Lemery-Chalfant, K. (2022, June). Alcohol use disorder polygenic risk scores and trajectories of childhood externalizing behaviors: Examining the role of parenting and family conflict in the ABCD study. Paper presented at the Behavior Genetics Association Annual Meeting, Los Angeles, CA.
9. *Chirica, M. G., *O'Reilly, L., **Elam, K. K.**, Quinn, P., Adams, S., G., Klonsky, E. D., Pettersson, E., Lundstrom, S., Larsson, H., Lichtenstein, P. & D'Onofrio, B. (2022, June). Protective factors for suicide attempt and self-harm: A genetically informed study of physical activity and friendship quality. Paper presented at the Suicide Research Symposium, online.
10. *McCaffrey, E., *Baughman, B., & **Elam, K. K.** (2022, April). The impact of effortful control and tobacco use in adolescence on cardiovascular health in adulthood. Poster presented at the Indiana University School of Public Health Research Day, Bloomington, IN.
11. *Matson, A. & **Elam, K. K.** (2022, April). Adolescent anxiety and substance use in rural vs. urban settings: A scoping review. Poster presented at the Indiana University School of Public Health Research Day, Bloomington, IN.
12. *Kutzner, J., **Elam, K. K.**, & Ha, T. (2022, April). Genetic influences on the interplay between compulsive behavior and cannabis use in adolescence. Poster presented at the Indiana University Center of Excellence for Women & Technology Research Poster Competition, Bloomington, IN.
13. **Elam, K. K.**, *Borriello, G. A., Salvatore, J., Aliev, F., Dick, D., & Ha, T. (2022, April). Polygenic predisposition for educational attainment predicts self and partner education attainment and alcohol use frequency. Paper presented at the Genetics and Epigenetics Cross-Cutting Research Team Annual Meeting, Bethesda, MD.
14. **Elam, K. K.**, Johnson, S. L., *Ruof, A., Sandler, I., & Wolchik, S. (2022, March). The influence of negative family environments and a family-based intervention on parent and adolescent telomere length. Paper presented at the Society for Research on Adolescence Biennial Meeting, New Orleans, LA.
15. *Kutzner, J., **Elam, K. K.**, & Ha, T. (2022, March). Genetic influences on the interplay between compulsive behavior and cannabis use in adolescence. Poster presented at the Society for Research on Adolescence Biennial Meeting, New Orleans, LA.
16. *Ruof, A., Valiente, C., **Elam, K. K.**, Shaw, D., Wilson, M., & Lemery-Chalfant (2021, April). Longitudinal associations between inhibitory control and parenting stress in early

- childhood: Relations with verbal ability. Paper presented at the Society for Research in Child Development Biennial Meeting, online.
17. *Yuan, S., **Elam, K. K.**, Johnston, J. D., & Chow, A. (2021, March). The relationship between three sources of social support and physical activity level among middle and old age adults. Poster presented at the American Academy of Health Behavior Virtual Scientific Meeting, online.
 18. **Elam, K. K.**, *Kutzner, J., & Ha, T. (2021, March). Functional polygenic risk for aggression indirectly predicts adult substance use disorder diagnoses via substance use offending in emerging adulthood. Poster presented at the NIDA Genetics Epigenetics Consortium Meeting, online.
 19. **Elam, K. K.**, *Ruof, A., *Sternberg, A., *Blake, A., & Chassin, L. (2021, March). Genetic effects on parental knowledge and adolescent marijuana use. Poster presented at the Society for Research on Adolescence Biennial Meeting, online.
 20. *Borriello, G. A., **Elam, K. K.**, *Rea-Sandin, G., Lemery-Chalfant, K., Aliev, F., Dick, D., & Ha, T. (2020, June). Long-term effects of polygenic propensity for educational attainment on educational attainment mediated by inhibitory control and variation by a family-based intervention. Paper presented at the Behavior Genetics Association Annual Meeting, online.
 21. **Elam, K. K.**, Clifford, S., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2020, January). Genotype-environment correlation by intervention effects underlying middle childhood peer rejection and associations with adolescent marijuana use. Poster presented at the National Institutes for Drug Abuse Genetics and Epigenetics Cross-Cutting Research Meeting, Bethesda, MD.
 22. *Neale, Z. E., *Kuo, S. I., Aliev, F., *Barr, P. B., Su, J., **Elam, K. K.**, Ha, T., Lemery-Chalfant, K., & Dick, D. M. (2019, October). Gene-by-intervention effects on alcohol dependence symptoms in a youth sample. Poster presented at the World Congress for Psychiatric Genetics, Los Angeles, CA.
 23. **Elam, K. K.**, Ha, T., *Kuo, S. I., Lemery-Chalfant, K., & Dick, D. (2019, June). Polygenic by intervention effects on longitudinal trajectories of alcohol use. Poster presented at the Behavior Genetics Association Annual Meeting, Stockholm, Sweden.
 24. *Meléndez Guevara, A. M., Lindstrom Johnson, S., **Elam, K. K.**, *Hilley, C., *McIntire, C., & *Morris, K. (2019, May). Understanding practitioners' perspectives of culturally sensitive trauma-informed care. Paper presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.
 25. *Hilley, C., Lindstrom Johnson, S., **Elam, K. K.**, Wolchik, S., & Sandler, I. (2019, March). Competence and coping during the transition to adulthood for children of divorce. Poster

presented at the Society for Research in Child Development Biennial Conference, Baltimore, MD.

26. **Elam, K. K.**, Clifford, C., *Ruof, A., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2019, March). Gene-environment correlations underlying middle childhood peer processes in pathways to adolescent alcohol use. Paper presented at the Society for Research in Child Development Biennial Conference, Baltimore, MD.
27. **Elam, K. K.**, Clifford, S., Shaw, D., Dishion, T., Wilson, M., & Lemery-Chalfant, K. (2019, January). Using gene set enrichment analysis to create polygenic scores: A developmental examination of aggression. Poster presented at NIDA Genetics Epigenetics Consortium Meeting, Bethesda, Maryland.
28. **Elam, K. K.**, Chassin, L., & *Pandika, D. (2018, June). Polygenic risk, family cohesion, and adolescent aggression in Mexican-American and European-American families: Developmental pathways to alcohol use. Paper presented at the Behavioral Genetics Association Annual Meeting, Boston, Massachusetts.
29. Lemery-Chalfant, K., **Elam, K. K.**, Tein, J., Clifford, S., *Oro, V., *Rea-Sandin, G., *Galan, C., Wilson, M., & Shaw, D. (2018, June). Polygenic environmental sensitivity predicts growth in internalizing symptoms in early childhood. Paper presented at the Behavioral Genetics Association Annual Meeting, Boston, Massachusetts.
30. *Pandika, D., **Elam, K. K.**, Clifford, S., Dishion, T., Shaw, D., Wilson, M. & Lemery-Chalfant, (2018, June). The Family Check-Up Intervention attenuates the link between polygenic risk for aggression and trajectories of aggressive behavior across early childhood. Paper presented at the Behavioral Genetics Association Annual Meeting, Boston, Massachusetts.
31. *Rogers, A., *Bui, L, **Elam, K. K.**, *Sternberg, A., & Chassin, L. (2018, July). Alcohol use trajectories from early adolescence to emerging adulthood: Variation by sensation seeking and positive parenting. Poster presented at the Research Society on Alcoholism Annual Meeting, San Diego, California.
32. **Elam, K. K.**, *Pandika, D., Chassin, L., *Sternberg, A., & *Bui, L. (2018, June). Evocative gene-environment correlation underlying externalizing behavior and family cohesion in adolescent marijuana use. Paper presented at the College on Problems of Drug Dependence Annual Meeting, San Diego, California.
33. Lindstrom Johnson, S., **Elam, K. K.**, *Rogers, A. & *Hilley, C. (2018, May). A meta-analysis of parenting practices and child psychosocial outcomes in trauma-informed parenting interventions. Paper presented at the annual meeting of the Society for Prevention Research, Washington, DC.
34. **Elam, K. K.**, *Beekman, C., Dishion, T., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2017, June). Using gene set enrichment analysis to create polygenic scores for childhood

externalizing behavior. Paper presented at the Behavioral Genetics Association Annual Meeting, Oslo, Norway.

35. **Elam, K. K.**, Chassin, L., Lemery-Chalfant, K., *Pandika, D., *Wang, F., *Bountress, K., Dick, D., & Agrawal, A. (2017, April). Affiliation with substance-using peers: Examining gene-environment correlations among monitoring, polygenic risk, and impulsivity. Paper presented at Society for Research in Child Development Biennial Meeting, Austin, Texas.
36. *Beekman, C., *Jung Mun, C., *Clifford, S., **Elam, K. K.**, Tein, J., Dishion, T., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2017, April). Early problem behaviors: Prediction from a polygenic risk score for behavioral undercontrol and cumulative family risk. Poster presented at Society for Research in Child Development Biennial Meeting, Austin, Texas.
37. **Elam, K. K.**, *Wang, F., *Bountress, K., Chassin, L., Lemery-Chalfant, K., Dick, D., Pandika, D., Salvatore, J., Agrawal, A., & Sher, K.J. (2014, June). Using a literature-based polygenic risk score for behavioral undercontrol to examine evocative genotype-environment correlation. Paper presented at the Behavior Genetics Association Annual Meeting, Charlottesville, Virginia.
38. **Elam, K. K.**, Harold, G. T., Neiderhiser, J. M., Natsuaki, M., Riess, D., Shaw, D. S., & Leve, L. D. (2013, April). Toddler Unresponsiveness and Social Disruption: Examining Evocative Genotype-Environment Correlations with Parental Hostility. Paper presented at the Society for Research in Child Development Biennial Meeting, Seattle, Washington.
39. Harold, G., Leve, L., **Elam, K. K.**, Barrett, D., Neiderhiser, J., Natsuaki, M., Reiss, D., Shaw, D., & Thapar, A. (2013, April). Examining the role of passive and evocative genotype-environment correlation underlying maternal parenting practices and child ADHD. Paper presented at the Society for Research in Child Development Biennial Meeting, Seattle, Washington.
40. Gaysina, D., Leve, L., Natsuaki, M., Reiss, D., Shaw, D., Neiderhiser, J., *Arnold, K., **Elam, K. K.**, & Harold, G. (2013, April). Genetically informed investigation of the effect of advanced paternal age on offspring social behaviors. Poster presented the Society for Research in Child Development Biennial Meeting, Seattle, Washington.
41. **Elam, K. K.**, Harold, G. T., Neiderhiser, J. M., Natsuaki, M., Riess, D., Shaw, D. S., & Leve, L. D. (2012, June). Sensation seeking and child responsiveness: Examining evocative genotype-environment correlations with parental hostility and warmth. Paper presented at the Behavior Genetics Association Annual Meeting, Edinburgh, United Kingdom.
42. **Elam, K. K.**, *Lewis, G., Harold, G. T., Natsuaki, M. N., & Thapar, A. (2012, March). Interparental conflict and children's psychological adjustment: An examination of genetic and family process mechanisms. Paper presented to the Society for Research on Adolescence, Vancouver, Canada.

43. Harold, G. T., **Elam, K. K.**, Leve, L. D. (2012, May). Utilizing genetically sensitive research designs to examine early family relationship influences on children's ADHD. Paper presented at EUNETHYDIS International ADHD Conference, Barcelona, Spain.
44. Harold, G. T., Leve, L. D., **Elam, K. K.**, Thapar, A., Neiderhiser, J. M., Natsuaki, M. N., Shaw, D. S., & Reiss, D. (2012, October). Intergenerational transmission of genetic risk for psychopathology: Employing a latent variable approach to risk estimation. Paper presented at the Life History Research Society Meeting, Surrey, United Kingdom.
45. Gaysina, D., Fergusson, D., Leve, L., Horwood, L., Neiderhiser, J., Reiss, D., Shaw, D., Natsuaki, M., **Elam, K. K.**, Thapar, A., Langley, K., & Harold, G. (2012, June). Maternal smoking during pregnancy and offspring conduct problems: The evidence for the association using genetically-sensitive designs. Paper presented at the Behavior Genetics Association Annual Meeting, Edinburgh, United Kingdom.
46. Harold, G. T., Rhoades, K., Leve, L. D., Natsuaki, M. N., Neiderhiser, J., Shaw, D., Reiss, D., **Elam, K. K.**, et al. (2012, February). Intergenerational transmission of genetic risk for psychopathology: Employing a latent variable approach to risk estimation. Paper presented to the Society for Research in Child Development, Developmental Methodology, Tampa, Florida.
47. **Elam, K. K.**, Leve, L. D., Harold, G. T., Neiderhiser, J. M., Shaw, D. S., Natsuaki, Scaramella, L. V., & Reiss, D. (2011, June). Are different kinds of parenting more effective for different children? Considering genetic influences using an adoption design. Paper presented at the Behavior Genetics Association's Annual Meeting, Newport, Rhode Island.
48. **Elam, K. K.**, Rhoades, K. A., Leve, L. D., & Harold, G. T. (2011, April). Trajectories of adolescent internalizing and externalizing problems: Direct and indirect associations with interparental conflict. Poster presented to the Society for Research in Child Development, Montreal, Canada.
49. Harold, G. T., **Elam, K. K.**, Rice, F., Thapar, A. (2011, January). Disentangling genetic and family environmental influences in the link between parent depression and child depression. Paper presented at Shaping the Research Agenda of Depression Prevention. Netherlands Institute of Mental Health Research, Utrecht, Holland.
50. **Elam, K. K.**, Geeseman, J., Kerstein, K., Zhu, J., Webb, T., Parks, S., Huggenvik, J., DiLalla, L., & Habib, R. (2010, November). Differences in left inferior parietal lobule activity during episodic memory retrieval as a function of APOE genotype in healthy young adults. Poster presented to the Society for Neuroscience, San Diego, California.
51. **Elam, K. K.**, DiLalla, L. F., & Smolen, A. (2009, November). Gene and genetic-environment interaction effects on preschoolers' social behaviors. Presentation presented at University of Otago Psycolloquy, Dunedin, New Zealand.

52. **Elam, K. K.**, & Carlson, J. M. (2009, March). Brain activation to backward masked emotional faces by trait empathy and mindfulness. Poster presented to the Cognitive Neuroscience Society, San Francisco, California.
53. **Elam, K. K.**, Carlson, J. M., Reinke, K. S., & DiLalla, L. F. (2008, June). Genetic influences on attentional response to emotional faces in 5-year-old twins. Poster presented to the Behavior Genetics Association Annual Meeting, Louisville, Kentucky.
54. **Elam, K. K.**, Carlson, J. M., Reinke, K. S., & DiLalla, L. F. (2008, April). 5-year-old children allocate spatial attention to right visual field emotional faces. Poster presented to the Cognitive Neuroscience Society, San Francisco, California.
55. Long, S., **Elam, K. K.**, & DiLalla, L. F. (2008, October). Does mother aggression help explain the relation between birth complications and child aggression? Poster presented to the Kansas Conference in Clinical Child and Adolescent Psychology, Lawrence, Kansas.
56. DiLalla, L. F., & **Elam, K. K.** (2008, June). Parenting and the DRD4 genotype: Interaction and effects on aggressive and prosocial behaviors in preschool. Paper presented to the Behavior Genetics Association Annual Meeting, Louisville, Kentucky.
57. **Elam, K. K.**, & DiLalla, L. F. (2007, April). Genetic and environmental effects on happiness in young twins. Poster presented to the Society for Research in Child Development, Boston, Massachusetts.
58. Wonderlich, S. J, Bell, K. S., **Elam, K. K.**, & DiLalla, L. F. (2007, May). Relations between daycare and self-esteem. Poster presented to the Midwestern Psychological Association, Chicago, Illinois.
59. Butera, K. A., Phillips, A. K., **Elam, K. K.**, & DiLalla, L. F. (2007, March). Genetic influence on cooperation in preschoolers. Poster presented to Sigma Xi Research Symposium, Carbondale, Illinois.
60. **Elam, K. K.**, Mullineaux, P., Tolar, E., & DiLalla, L. F. (2006, April). Sex differences in the relation between parental sensitivity and child happiness. Poster presented to the Conference on Human Development, Louisville, Kentucky.
61. Bell, K., Mullineaux, P., **Elam, K. K.**, & DiLalla, L. F. (2006, April). The relationship between differential child cognitive abilities and parental differential affective treatment of twin pairs. Poster presented to the Conference on Human Development, Louisville, Kentucky.

Published Conference Proceedings

1. *Borriello, G. A., **Elam, K. K.**, *Rea-Sandin, G., Lemery-Chalfant, K., Aliev, F., Dick, D., & Ha. T. (2020). Long-term effects of polygenic propensity for educational attainment on

- educational attainment mediated by inhibitory control and variation by a family-based intervention. Conference proceedings published in *Behavior Genetics*, 50, 444.
2. **Elam, K. K.**, Ha, T., *Kuo, S., Lemery-Chalfant, K., & Dick, D. (2019). Polygenic by intervention effects on longitudinal trajectories of alcohol use. Conference Proceedings published in *Behavior Genetics*, 49, 552.
 3. Lemery-Chalfant, K., **Elam, K. K.**, Tein, J., Clifford, S., *Oro, V., *Rea-Sandin, G., *Galan, C., Wilson, M., & Shaw, D. (2019). Polygenic environmental sensitivity predicts growth in internalizing symptoms in early childhood. Conference Proceedings published in *Behavior Genetics*, 49, 554.
 4. *Pandika, D., **Elam, K. K.**, Clifford, S., Dishion, T., Shaw, D., Wilson, M., Lemery-Chalfant, K. (2018). The family check-up intervention attenuates the link between polygenic risk and trajectories of aggression across middle childhood. Conference Proceedings published in *Behavior Genetics*, 48, 505.
 5. **Elam, K. K.**, *Beekman, C., Dishion, T., Shaw, D., Wilson, M., & Lemery-Chalfant, K. (2017). Using gene set enrichment analysis to create polygenic scores for childhood externalizing behavior. Conference Proceedings published in *Behavior Genetics*, 47, 713.
 6. **Elam, K. K.**, *Wang, F., *Bountress, K., Chassin, L., Lemery-Chalfant, K., Dick, D., Pandika, D., Salvatore, J., Agrawal, A., & Sher, K.J. (2014). Using a literature-based polygenic risk score for behavioral undercontrol to examine evocative genotype-environment correlation. Conference Proceedings published in *Behavior Genetics*, 44, 657.
 7. **Elam, K. K.**, Harold, G. T., Neiderhiser, J. M., Natsuaki, M., Riess, D., Shaw, D. S., & Leve, L. D. (2012). Sensation seeking and child responsiveness: Examining evocative genotype-environment correlations with parental hostility and warmth. Conference Proceedings published in *Behavior Genetics*, 42, 931.
 8. Gaysina, D., Fergusson, D., Leve, L., Horwood, L., Neiderhiser, J., Reiss, D., Shaw, D., Natsuaki, M., **Elam, K. K.**, Thapar, A., Langley, K., & Harold, G. (2012). Maternal smoking during pregnancy and offspring conduct problems: The evidence for the association using genetically-sensitive designs. Conference Proceedings published in *Behavior Genetics*, 42, 935.
 9. **Elam, K. K.**, Leve, L. D., Harold, G. T., Neiderhiser, J. M., Shaw, D. S., Natsuaki, Scaramella, L. V., & Reiss, D. (2011). Are different kinds of parenting more effective for different children? Considering genetic influences using an adoption design. Conference Proceedings published in *Behavior Genetics*, 41, 903.
 10. DiLalla, L. F., & **Elam, K. K.** (2008). Parenting and the DRD4 genotype: Interaction and effects on aggressive and prosocial behaviors in preschool. Conference Proceedings published in *Behavior Genetics*, 38, 622.

11. DiLalla, L. F. & Elam, K. K. (2008). Genetic and environmental influences on aggressive behavior of children and adolescents. In A Maldade Humana: Fatalidade ou Educacao? In Matos, A., Vieira, C., Nogueira, S., Boavida, J. & Alcoforado, L. (Eds.), *Human Evilness: Fatality or Education?* Coimbra: Edições Almedina. (Published congress proceedings, Coimbra, Portugal).
12. Elam, K. K., Carlson, J. M., Reinke, K. S., & DiLalla, L. F. (2008). Genetic influences on attentional response to emotional faces in 5-year-old- twins. Conference Proceedings published in *Behavior Genetics*, 38, 625.

Teaching and Mentorship

Courses Taught

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| 2020-2023 | <i>Acquiring External Funds for Research</i> , Graduate, Indiana University Bloomington, 3 sections |
| 2022 | <i>Integrating Genetics in Social Science and Public Health Research</i> , Graduate, Indiana University Bloomington, 1 section |
| 2021 | <i>Child Health in the Family</i> , Undergraduate, Indiana University Bloomington, 1 section |
| 2016-2018 | <i>Child Dysfunction in the Family</i> , Undergraduate, Arizona State University, 5 sections |
| 2012-2013 | <i>Quantitative Behavior Genetics and Developmental Psychopathology</i> , Undergraduate, University of Leicester, 3 sections co-taught |
| 2012-2013 | <i>Advanced Statistical Methods</i> , Graduate, University of Leicester, 3 sections co-taught |
| 2011-2013 | <i>Introduction to Psychology: Statistics Practical Sessions</i> , Undergraduate, University of Leicester, 3 sections co-taught |
| 2009 | <i>Child Psychology</i> , Undergraduate, Southern Illinois University, Summer Course |
| 2005 | <i>Introduction to Psychology</i> , Undergraduate, Southern Illinois University |

Invited Talks and Guest Lectures

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| 2022, 2023 | <i>Responsible Conduct of Research in Publication and Peer Review</i> . Invited presentation as part of the Indiana University Responsible Conduct of Research Series, Indiana University Bloomington |
| 2022 | <i>Grant writing as a doctoral student</i> . Invited guest speaker to the Applied Health Science doctoral seminar |

- 2021 *Grant Funding for Graduate Students*. Invited presentation to Dr. Brian D’Onofrio’s Developmental Psychopathology Lab, Indiana University Bloomington
- 2021 *External Funding Opportunities in Graduate School and Beyond*. Invited presentation as part of the School of Public Health Student Government Funding Workshop, Indiana University Bloomington
- 2020 *Maximizing Your Prospects in a Time of Limited Choices*. Invited presentation as part of the Annual Postdoctoral Research Exhibition; ‘Career Transitions in the Face of Covid-19’, Pennsylvania State University
- 2020 *Gene-Environment Interplay in Child Development and Psychopathology*. Invited presentation to the Department of Human Development and Family Studies, Purdue University, (postponed due to COVID-19)
- 2019 *Neurobiology and Genetics in Trauma*. Invited guest lecture to the class: Risk and Resilience, Graduate, Arizona State University
- 2019 *Genetics and Substance Use*. Invited guest lecture to the class: Psychology of Addiction, Graduate, Arizona State University
- 2015-2018 *Postdoctoral Experiences and Opportunities*. Invited panel discussion to the NIDA T32 Seminar, Department of Psychology, Arizona State University.
- 2015-2018 *Work-Life Balance*. Invited panel discussion to the Graduate Professional Development Seminar, Department of Psychology, Arizona State University.
- 2016 *Gene-Environment Interplay*, Invited guest lecture to the class: Theories of Child Development, Graduate, Arizona State University
- 2012 Invited guest lecture to the class: Advanced Research Methods, Graduate, University of Leicester
- 2012 Invited guest lecture to the class: Brain and Cognition, Undergraduate, University of Leicester
- 2011 Invited guest lecture to the class: Advanced Multivariate Statistics Seminar, Graduate, University of Otago,
- 2011 Invited guest lecture to the class: Advanced Research Methods, Graduate, University of Leicester
- 2009 Invited guest lecture to the class: Behavior Genetics, Graduate, Southern Illinois University
- 2008 Invited guest lecture to the class: Genetic Psychopathology, Graduate, Southern Illinois University

2007	Invited guest lecture to the class: Genetic Psychopathology, Graduate, Southern Illinois University
2006	Invited guest lecture to the class: Developmental Psychology Seminar, Graduate, Southern Illinois University

Graduate Student Mentoring	Year
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Dissertation Chair

Abraham Qin, Indiana University Bloomington (planned co-chair)	2024 (planned)
Jodi Kutzner, Indiana University Bloomington	2023 - Present
Danielle Seay, Arizona State University <i>Currently Postdoctoral Research Scholar at Pennsylvania State, Department of Psychology, Child Study Center</i>	2018 – 2019

Dissertation Committee Member

Shuhan Yuan, Indiana University Bloomington	2023 – Present
Samantha Bettinger, Indiana University Bloomington	2022 – 2023
Siyoung Choe, Indiana University Bloomington	2022 – Present
Shieun Lee, Indiana University Bloomington	2021 – 2023
Dae-Hee Han, Indiana University Bloomington	2021 – 2022
Chanler Hilley, Arizona State University	2019 – 2021
Boram Lee, Indiana University Bloomington	2019 – 2020
Danielle Pandika, Arizona State University	2018 – 2020

External Dissertation Reviewer

Laura Di Manno, Deakin University	2017
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Comprehensive/Qualifying Exam Chair

Abraham Qin, Indiana University Bloomington (co-chair)	2023 (planned)
Jodi Kutzner, Indiana University Bloomington	2021
Danielle Seay, Arizona State University	2017 – 2018

Comprehensive/Qualifying Exam Committee Member

Alynn Summit, Indiana University Bloomington	2022 – Present
Shuhan Yuan, Indiana University Bloomington	2021
Ariana Ruof, Arizona State University	2021 – 2022
Chanler Hilley, Arizona State University	2019
Leena Bui, Arizona State University	2018
Danielle Pandika, Arizona State University	2017

Course Prescription Chair

Abraham Qin, Indiana University Bloomington (co-chair)	2021 – Present
Jodi Kutzner, Indiana University Bloomington	2021 – 2022

Course Prescription Committee Member

Alyna Summit, Indiana University Bloomington	2021 – Present
Shuhan Yuan, Indiana University Bloomington	2020 – 2022

Masters Committee Member

Ariana Ruof, Arizona State University	2019 – 2020
Gianna Rea-Sandin, Arizona State University	2017 – 2018

Masters Advisor

Joanna Baird, Indiana University Bloomington	2021 – Present
Ramanpreet Singh, Indiana University Bloomington	2021 – Present
Ariana Ruof, Arizona State University	2019

Graduate Research Mentor

Ariel Sternberg, Arizona State University	2016 – 2019
Frances Wang, Arizona State University	2015 – 2017
Adam Rogers, Arizona State University	2015 – 2017

Undergraduate Student Mentoring**Year**

Honors Thesis Chair

Austin Fuller, Arizona State University	2019
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Honors Thesis Committee Member

Logan Gillenwater, Indiana University Bloomington	2022 – 2023
Sydney Adams, Indiana University Bloomington	2021 – 2022
Austin Fuller, Arizona State University	2020
Derek Tang, Arizona State University	2018
Ariana Ruof, Arizona State University	2017
Stephen Sharkey, University of Leicester	2013
Heather Mozley, University of Leicester	2013

Honors Project Advisor

Layla Qureshi, Indiana University Bloomington	2023 – Present
Emily McCaffrey, Indiana University Bloomington	2021 – 2022
Abby Matson, Indiana University Bloomington	2021 – 2023
Kelsey Beck, Arizona State University	2018
Samantha Rodrigues, Arizona State University	2017
Chelsea Hyland, Arizona State University	2017
Marie Hodges, Arizona State University	2016

Research Sponsor

Darlene Senisse, American Heart Association, Indiana University Bloomington	2023 – Present
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Camila Cantu, American Heart Association, Indiana University Bloomington	2023 – Present
Layla Qureshi, American Heart Association, Indiana University Bloomington	2022 – Present
Emily McCaffrey, American Heart Association, Indiana University Bloomington	2021 – 2022
Jinju Hurley, NIDA Summer Internship Program, Lewis & Clark College	2021

Project Mentor

Project Based Module - Promoting Success in All Children, Undergraduate, Arizona State University	2017
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Undergraduate Research Mentor

Abby Matson, Indiana University Bloomington	2021 – Present
Brianna Baughman, Indiana University Bloomington	2022
Darcy Rinaldo, Arizona State University	2018 – 2019
Ariana Ruof, Arizona State University	2017
Kaysie Smith, Arizona State University	2016 – 2017

Faculty Mentor

	Year
Shieun Lee, Indiana University – Purdue University Indianapolis	2023 – Present
Sixtus Aguree, Indiana University Bloomington	2022 – Present
Angela Campbell, Indiana University Bloomington	2022 – Present
Adam Rogers, Assistant Professor, Brigham Young University	2017 – 2019
Ellen Yeung, Postdoctoral Associate, Arizona State University	2017 – 2019

Program Student Mentorship

Sponsor (2021 – Present), American Heart Association (AHA) Institutional Undergraduate Fellowship Program, Indiana University Bloomington: I am a research sponsor for the AHA Institutional Undergraduate Fellowship Program recently awarded to the School of Public Health. As part of this I mentor undergraduate research experiences in genetics, substance use, and addiction.

Mentor (2022), Faculty Assistance in Data Science, Indiana University Bloomington: I led a team of students enrolled in the Master’s in Data Science Program as part of a mentored research experience.

Faculty Affiliate (2016 – 2019), Arizona State University: I served as a faculty affiliate for the REACH Institutes NIDA T32 predoctoral and postdoctoral training program. In this role, I presented on topical research and professional development issues and mentored graduate student research.

K01 Information Session and Mentor (Arizona State University: 2017 – 2019), Indiana University Bloomington (2021 – Present): I hold an annual informational session on the NIH K01 grant mechanism which reviews K01 funding institutes, preparation of application

materials, and the submission process. As part of this I mentor early faculty and postdoctoral students through the process of their applications.

Service Activities

Professional Service

Role/Activity	Organization	Year
Elected Member of the Inclusion, Diversity, Equitability, and Access (IDEA) Committee	Behavior Genetics Association	2022 – 2025
Associate Editor	<i>Frontiers in Developmental Psychology</i>	2023
Editorial Board Member	<i>Scientific Reports</i>	2023
Graduate Research Fellowship Program Reviewer	National Science Foundation	2022, 2023
Editorial Board Member	<i>Research on Child and Adolescent Psychopathology</i> (formerly <i>Journal of Abnormal Child Psychology</i>)	2021 – Present
Inclusion, Diversity, Equitability, and Access (IDEA) Task Force Member	Behavior Genetics Association	2021 – 2022
Submission Reviewer for Biological and Neurological Mechanisms Panel	Society for Research on Adolescence Biennial Meeting	2019, 2021
Co-Editor for special issue: Developmental Behavior Genetics and Externalizing Psychopathology	<i>Behavior Genetics</i>	2020 – 2021
Judge, Thompson Student Paper Presentation Award	Behavior Genetics Association Annual Meeting	2020, 2021
Editorial Board Member	<i>Journal of Marriage and Family</i>	2018, 2019
Guest Editor	<i>PLOS One</i>	2018 – 2019

Submission Reviewer for Genetics and Neuroscience Panel	Society for Research in Child Development Biennial Meeting	2018
Symposium Chair: Examining the Interplay Among Polygenic, Individual, and Environmental Factors in the Development of Adolescent Substance Use	Society for Research in Child Development Biennial Meeting	2017
Submission Reviewer for Development and Psychopathology Panel	Society for Research in Child Development Biennial Meeting	2016

Ad Hoc Journal Review

Journal	Year
<i>Alcohol and Alcoholism</i>	2022
<i>New Directions for Child and Adolescent Development</i>	2022
<i>Prevention Science</i>	2021 – 2022
<i>Autism Research</i>	2021
<i>Frontiers in Psychology</i>	2021 – 2022
<i>Clinical Psychological Science</i>	2021
<i>Genes</i>	2021
<i>Journal of Family Issues</i>	2021
<i>Psychological Medicine</i>	2021 – 2022
<i>Developmental Psychobiology</i>	2020 – 2021
<i>Child Development</i>	2020 – 2021
<i>Development and Psychopathology</i>	2018 – 2023
<i>Research on Child and Adolescent Psychopathology</i>	2018 – 2023
<i>Journal of Family Psychology</i>	2017 – 2021
<i>Journal of Studies on Alcohol and Drugs</i>	2016 – 2022
<i>Journal of Marriage and Family</i>	2014 – 2021
<i>Behavior Genetics</i>	2014 – 2021
<i>Translational Psychiatry</i>	2020
<i>Journal of Family Issues</i>	2020
<i>Pediatrics</i>	2020
<i>American Academy of Pediatrics</i>	2019 – 2020
<i>Journal of Adolescent Health</i>	2017 – 2020
<i>Developmental Psychology</i>	2017 – 2020
<i>Addiction</i>	2018 – 2019
<i>Journal of Research in Personality</i>	2018 – 2019
<i>Journal of Applied Developmental Psychology</i>	2019
<i>Merrill-Palmer Quarterly</i>	2018
<i>PLOS One</i>	2018
<i>Journal of Clinical Child and Adolescent Psychology</i>	2016 – 2022

<i>Journal of Psychopathology and Clinical Science</i>	2016 – 2023
<i>Alcoholism: Clinical and Experimental Research</i>	2016
<i>Clinical Psychology Reviews</i>	2015

Academic Service

Activity	Year
Chair, Tenure Review Committee, Indiana University Bloomington	2023-2024
Member, Faculty Advisory Committee for Salary Adjustments	2023
Chair, Pre-Tenure Review Committee, Indiana University Bloomington	2022-2023
Member, Department of Environmental and Occupational Health Search Committee, Indiana University Bloomington (<i>18 application reviewed, 10 first round interviews, 5 in-person interviews</i>)	2022-2023
Co-Chair, Human Development and Family Studies Curricular Concentration, Department of Applied Health Science, School of Public Health, Indiana University Bloomington	2022-2023
Member, Promotion and Tenure Committee, Department of Applied Health Science, School of Public Health, Indiana University Bloomington	2022 – Present
Departmental Representative, School of Public Health Academic Council	2021 – Present
Member, Graduate Student Committee, Department of Applied Health Science, School of Public Health, Indiana University Bloomington	2019 – Present
Member, Behavioral, Social, and Community Health Curricular Concentration, Department of Applied Health Science, School of Public Health, Indiana University Bloomington	2019 – Present
Member, Human Development and Family Studies Curricular Concentration, Department of Applied Health Science, School of Public Health, Indiana University Bloomington	2020 – Present
Chair, Applied Health Science Faculty Search Committee, School of Public Health, Indiana University (88 applications reviewed, 12 interviewed, 4 hired)	2021 - 2022
Member, School of Public Health Evaluation and Planning Task Force	2021 – 2022
Member, Kinesiology Faculty Search Committee, School of Public Health, Indiana University Bloomington	2019 – 2020

Member, Undergraduate Committee, T. Denny Sanford School for Social and Family Dynamics, Arizona State University	2015 – 2019
Member, Diversity & Inclusion Science Initiative (DISI) Postdoctoral Search Committee, T. Denny Sanford School for Social and Family Dynamics, Arizona State University	2016 – 2017
Member, Speaker Series Committee, T. Denny Sanford School for Social and Family Dynamics, Arizona State University	2015 – 2017

Service to the Community and Public Impact

1. Lindstrom Johnson, S., Mauricio, A. (PIs), Bradshaw, C., Doane, L., Elam, K. K., Fillhouer, M., Gerwitz, A, Updegraff, K., Sulkowski, M. (Consultants). *Developing Positive Family Support for Students Exposed to Trauma*. Institute of Educational Sciences, Education Research Grant (2019 to present). Community materials developed for a school-based intervention.
2. Lindstrom Johnson, S., Meléndez Guevara, A. M., **Elam, K. K.** (Spring, 2020). *Trauma-Informed Service Delivery with Latinx Families*. Community Research Report distributed to the Arizona ACES Consortium Quarterly.
3. **Elam, K. K.** & Lindstrom Johnson, S. (2017, October). *Neurobiology of Trauma*. Invited presentation to the Arizona Adverse Childhood Experiences Consortium.
4. ASU Now (2017, November 17th). ASU professor awarded grant for research in adolescent substance use. <https://asunow.asu.edu/20171115-asu-professor-awarded-grant-research-adolescent-substance-use>

Affiliations and Awards, Honors, Fellowships

Affiliations	Year
Institute for Advanced Science, Recently Tenured Working Group, Indiana University	2022-2023
Tobacco Control and Wellness Research Working Group (Tobwell), Indiana University	2021 – Present
Society for Research on Adolescence	2019 – Present
Behavior Genetics Association	2009 – Present
Society of Research in Child Development	2007 – 2019
Awards, Honors, Recognition, and Fellowships	Year
J.K. Rash Fellowship (Advisor to Jodi Kutzner), Indiana University	2023

Undergraduate Poster Award (Advisor to Emily McCaffrey), Indiana University School of Public Health Research Day	2022
Educational Opportunities Fellowship for Graduate Study (Advisor to Jodi Kutzner), Indiana University	2022, 2023
Emerging Luminaries, Indiana University	2019
SUN (Serving University Needs) Award for Individual Excellence in Student Teaching and Mentoring, Arizona State University	2016
NIMH T32 Postdoctoral Training Fellowship, REACH Institute, Arizona State University	2013 – 2015
Postdoctoral Fellowship, Wellcome Trust, Centre for Children and Families, University of Otago, NZ	2010 – 2011
Professor Alfred Lit Memorial Scholarship in Experimental Psychology	2005