

# VITA

## JAMES A. BOVAIRD, PhD

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## Academic Positions

- 2023 – Present Director, Nebraska Evaluation and Research Center, Department of Educational Psychology, University of Nebraska-Lincoln
- 2019 - Present Faculty Fellow, Public Policy Center, University of Nebraska
- 2014 - Present Courtesy Associate Professor, Survey Research and Methodology Program, University of Nebraska-Lincoln
- 2013 - Present Program Director, Quantitative, Qualitative, & Psychometric Methods Program, Department of Educational Psychology, University of Nebraska-Lincoln
- 2011 - Present Associate Professor with tenure, Department of Educational Psychology, University of Nebraska-Lincoln
- 2013 - 2023 Founding Director, Nebraska Academy for Methodology, Analytics, & Psychometrics, University of Nebraska-Lincoln
- 2009 - 2016 Co-Principal Investigator & Core Director, National Center for Research on Rural Education (R<sup>2</sup>Ed), University of Nebraska-Lincoln
- 2006 - 2013 Director, Statistics & Research Methodology Unit, Nebraska Center for Research on Children, Youth, Family, and Schools, University of Nebraska-Lincoln
- 2005 - 2011 Assistant Professor, Department of Educational Psychology, University of Nebraska-Lincoln
- 2004 - 2005 Research Associate, Schiefelbusch Institute for Life Span Studies, University of Kansas
- 2004 - 2005 Lecturer, Department of Psychology, University of Kansas
- 2004 - 2005 Instructor, Continuing Education: Independent Study, University of Kansas

- 2002 - 2004     Postdoctoral Trainee, Interdisciplinary Research Training in Mental Retardation & Developmental Disabilities [NICHD-funded]
- 2002 - 2004     Research Affiliate, Research Design & Analysis Unit, Schiefelbusch Institute for Life Span Studies, University of Kansas
- 2003 - 2004     Lecturer, Department of Psychology & Department of Psychological Research in Education, University of Kansas
- 2002 - 2003     Adjunct Instructor, Department of Psychology, Baker University.

## Educational Background

- Postdoctoral (2002-2004)     University of Kansas  
Emphasis: *Methodological training in mental retardation and developmental disabilities.*
- Ph.D. (2002)     University of Kansas  
Major: Quantitative Psychology, Minor: Cognitive Neuroscience  
Advisor: Susan Embretson, Ph.D.  
Dissertation: *New Applications in Testing: Using Response Time to Increase the Construct Validity of a Latent Trait Estimate.*
- M.A. (2000)     University of Kansas  
Major: Experimental Psychology (Quantitative Concentration)  
Thesis: *Individual Differences in Modifiability of Ability Under Time-Related Stress.*
- B.A. (1997)     Baker University  
Majors: Biology & Psychology, Minor: Chemistry  
*Cum Laude*
- B.S. (1997)     Baker University  
Majors: Biology & Psychology, Minor: Chemistry  
*Cum Laude*

## Publications

### Refereed Journal Articles

1. Stevens, J., **Bovaird, J.A.**, Hawley, L. (in press). Improving student selection and retention: The development of a Situational Judgement Test to assess collegiate decision making. *Journal of College Student Development.*
2. Babik, I., Cunha, A. B., Choi, D., Koziol, N. A., Hsu, L.-Y., Harbourne, R. T., Dusing, S. C., Westcott-McCoy, S. W., **Bovaird, J. A.**, Willett, S., & Lobo, M. A. (2023). Socioeconomic status and home affordances moderate effects of motor delay and intervention. *Journal of Applied*

*Developmental Psychology*, 87, 1-10.

3. Koziol, N. A., Kretch, K., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Molinini, R., Hsu, L.-Y., Babik, I., Cunha, A. B., Willett, S. L., **Bovaird, J. A.**, & Dusing, S. C. (2023). START-Play physical therapy intervention indirectly impacts cognition through changes in early motor-based problem-solving skills. *Pediatric Physical Therapy*, 35(3), 293-302.
4. An, M., Marcinowski, E., Hsu, L., Stankus, J., Jancart, K., Lobo, M., Dusing, S., McCoy, S.W., **Bovaird, J.A.**, Willett, S., & Harbourne, R. (2022). Object permanence and the relationship to sitting development in infants with motor delays. *Pediatric Physical Therapy*, 34(3), 309.
5. Koziol, N. A., Butera, C. D., Kretch, K. S., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Hsu, L.-Y., Willett, S. L., Kane, A. E., **Bovaird, J. A.**, & Dusing, S. C. (2022). Effect of the START-play physical therapy intervention on cognitive skills depends on caregiver-provided learning opportunities. *Physical & Occupational Therapy in Pediatrics*, 42(5), 510-525.  
<https://doi.org/10.1080/01942638.2022.2054301>
6. Jensen-Willett, S., Cunha, A., Lobo, M. A., Harbourne, R., Dusing, S. C., McCoy, S. W., Koziol, N. A., Hsu, L.-Ya., Marcinowski, E. C., Babik, I., An, M., & **Bovaird, J. A.** (2022). The effect of early life seizures on cognitive and motor development: A case series. *Pediatric Physical Therapy*, 34(3), 425-431. <https://doi.org/10.1097/PEP.0000000000000918>
7. Babik, I., Cunha, A.B., Choi, D., Koziol, N.A., Harbourne, R.T., Dusing, S.C., McCoy, S.W., **Bovaird, J.A.**, Willett, S., & Lobo, M.A. (2022). The Effect of START-Play Intervention on Reaching-Related Exploratory Behaviors in Children with Neuromotor Delays: A Secondary Analysis of a Randomized Controlled Trial. *Physical & Occupational Therapy in Pediatrics*, 1–17. Online Ahead of Print. <https://doi.org/10.1080/01942638.2022.2131501>
8. Kretch, K. S., Koziol, N. A., Marcinowski, E. C., Kane, A. E., Inamdar, K., Brown, E. D., **Bovaird, J. A.**, Harbourne, R. T., Hsu, L.-Y., Lobo, M. A., & Dusing, S. C. (2022). Infant posture and caregiver-provided cognitive opportunities in typically developing infants and infants with motor delay. *Developmental Psychobiology*, 64(1), e22233. <https://doi.org/10.1002/dev.22233>
9. Cunha, A. B., Babik, I., Koziol, N. A., Hsu, L.-Y., Nord, J., Harbourne, R. T., Westcott-McCoy, S., Dusing, S. C., **Bovaird, J. A.**, & Lobo, M. A. (2021). A novel means-end problem-solving assessment tool for early intervention: Evaluation of validity, reliability, and sensitivity. *Pediatric Physical Therapy*, 1, 2-9. doi:10.1097/PEP.0000000000000761
10. Harbourne, R. T., Dusing, S. C., Lobo, M. A., McCoy, S. W., Koziol, N. A., Hsu, L.-Y., Willett, S., Marcinowski, E. C., Babik, I., Cunha, A. B., An, M., Chang, H.-J., **Bovaird, J. A.**, & Sheridan, S. M. (2021). START-Play physical therapy intervention impacts motor and cognitive outcomes in infants with neuromotor disorders: A multisite randomized clinical trial. *Physical Therapy & Rehabilitation Journal*, 101, 1–11. <https://doi.org/10.1093/ptj/pzaa232>  
**[Earned the 2022 Chattanooga Research Award from the American Physical Therapy Association (<https://www.apta.org/apta-and-you/honors-awards/chattanooga-research-award>)]**
11. Kabirikopaei, A., Lau, J., Nord, J., & **Bovaird, J.A.** (2021). Identifying the K-12 classrooms' indoor air quality factors that affect student academic performance. *Science of the Total Environment*, 786,

1-7. <https://doi.org/10.1016/j.scitotenv.2021.147498>

12. Molinini, R. M., Koziol, N. A., Tripathi, T., Harbourne, R. T., McCoy, S. W., Lobo, M. A., **Bovaird, J. A.**, & Dusing, S. C. (2021). Measuring early problem-solving in young children with motor delays: A validation study. *Physical & Occupational Therapy in Pediatrics*, *41*, 390–409. <https://doi.org/10.1080/01942638.2020.1865501>
13. Molinini, R. M., Koziol, N. A., Marcinowski, E. C., Hsu, L. Y., Tripathi, T., Harbourne, R. T., McCoy, S. W., Lobo, M. A., **Bovaird, J. A.**, & Dusing, S. C. (2021). Early motor skills predict the developmental trajectory of problem solving in young children with motor delays. *Developmental Psychobiology*, *63*(6), e22123. <https://doi.org/10.1002/dev.22123>
14. Murphy, C., Takahashi, S., **Bovaird, J.A.**, & Koehler, K. (2021). Relation of aerobic fitness, eating behavior and physical activity to body composition in college-age women: A path analysis. *Journal of American College Health*, *69*(1), 30-37. doi: 10.1080/07448481.2019.1647210.
15. Dusing, S., Harbourne, R., Lobo, M., Westcott-McCoy, S., **Bovaird, J.A.**, Kane, A., Syed, G., Marcinowski, E., Koziol, N., & Brown, S. (2019). A physical therapy intervention to advance cognitive and motor skills: A single subject study of a young child with Cerebral Palsy. *Pediatric Physical Therapy*, *31*(4), 347–352. doi:10.1097/PEP.0000000000000635
16. Nord, J., **Bovaird, J.A.**, & Fritz, M.F. (2019). Latent interaction modeling with planned missing data designs. *Structural Equation Modeling: A Multidisciplinary Journal*. Advance online publication. doi: 10.1080/10705511.2019.1692306.
17. Harbourne, R.T., Chang, H., Dusing, S.C., Lobo, M.A., McCoy, S.W., **Bovaird, J.A.**, Sheridan, S.M., Hsu, L., Koziol, N.A., Marcinowski, E., & Babik, I. (2018). Sitting Together and Reaching to Play (START-Play): Design and Protocol for a multisite randomized controlled efficacy trial on intervention for infants with neuromotor disorders. *Physical Therapy*, *98* (6), 494-502.
18. Koziol, N.A., & **Bovaird, J.A.** (2018). The impact of model parameterization and estimation methods on tests of measurement invariance with ordered polytomous data. *Educational and Psychological Measurement*, *78* (2), 272-296. doi:10.1177/0013164416683754
19. Hawley, L.R., **Bovaird, J.A.**, & Wu, C. (2017). Stability of teacher value-added assessment rankings across measurement model and scaling conditions. *Applied Measurement in Education*, *30* (3), 196-212.
20. Koziol, N.A., **Bovaird, J.A.**, & Suarez, S. (2017). A comparison of population-averaged and cluster-specific approaches in the context of unequal probabilities of selection. *Multivariate Behavioral Research*, *52* (3), 325-349.
21. McKim, C., **Bovaird, J.A.**, & Wu, C. (2017). Using graphical techniques from discriminant analysis to understand and interpret cluster solutions. *International Journal of Data Analysis Techniques and Strategies*, *9* (3), 189-206.

22. Glover, T.A., Nugent, G.C., Chumney, F.L., Ihlo, T., Shapiro, E.S., Guard, K., **Bovaird, J.A.**, Koziol, N.A. (2016). Investigating rural teachers' professional development, instructional knowledge, and classroom practice. *Journal of Research in Rural Education*, 31(3), 1-16.
23. Hawley, L.R., Koziol, N.A., **Bovaird, J.A.**, McCormick, C.M., Welch, G.W., Arthur, A.M., & Bash, K. (2016). Defining and describing rural: Implications for rural special education research policy. *Rural Special Education Quarterly*, 35(3), 3-11.
24. Lau, J., Wang, L.M., Waters, C., & **Bovaird, J.** (2016). A need for evidence-based and multidisciplinary research to study the effects of the interaction of school environmental conditions on student achievement. *Indoor and Built Environment*, 25 (6). 869-871.
25. Ryoo, J., Molfese, V.J., Brown, E.T., Karp, K.S., Welch, G., & **Bovaird, J.A.** (2015). Examining factor structures on the Test of Early Mathematics Ability – 3: A longitudinal approach. *Learning and Individual Differences*, 41, 21-29.
26. Koziol, N.A., Arthur, A.M., Hawley, L.R., **Bovaird, J.A.**, McCormick, C.M., & Welch, G.W. (2015). Identifying, analyzing, and communicating rural: A quantitative perspective. *Journal of Research in Rural Education*, 30 (4), 1-14.
27. Hawley, L.R., Hosch, H.M., & **Bovaird, J.A.** (2014). Exploring Social Identity Theory and the 'Black Sheep Effect' Among College Student-athletes and Non-athletes. *The Journal of Sport Behavior*, 37, 56-76.
28. Story, J.S., Barbuto, J.E., Luthans, F., & **Bovaird, J.A.** (2014). Meeting the Challenges of Effective International HRM: Analysis of the Antecedents of Global Mindset. *Human Resource Management*, 53 (1), 131-155.
29. Visovsky, C., **Bovaird, J.A.**, Tofthagen, C., & Rice, J. (2014). Heading off peripheral neuropathy with exercise: The Hope Study. *Nursing and Health*, 2 (6), 115-121.
30. Story, J.S., Youssef, C., Luthans, F., Barbuto, J., & **Bovaird, J.A.** (2013). Contagion effect of global leaders' positive psychological capital on followers: Does distance and quality of relationship matter? *International Journal of Human Resource Management*, 24, 2534-2553.
31. Davidson, M.M., Nitzel, C., Duke, A., Baker, C.M., & **Bovaird, J.A.** (2012). Advancing career counseling and employment support for survivors: An intervention evaluation. *Journal of Counseling Psychology*, 59, 321-328.
32. Sheridan, S.M., **Bovaird, J.A.**, Glover, T.G., Garbacz, S.A., Witte, A., & Kwon, K. (2012). A randomized trial examining the effects of conjoint behavioral consultation and the mediating role of the parent-teacher relationship. *School Psychology Review*, 41, 23-46.  
**[Earned the 2013 Article of the Year Award in School Psychology Review]**
33. Steele, R.G., Aylward, B.S., Jensen, C.D., Cushing, C.C., Davis, A.M., & **Bovaird, J.A.** (2012). Comparison of a family-based group intervention for youths with obesity to a brief individual family intervention: A practical clinical trial of *Positively Fit*. *Journal of Pediatric Psychology*, 37, 53-63.

[Earned the 2012 Diane Willis Award for Outstanding Article in the *Journal of Pediatric Psychology* from the Society of Pediatric Psychology (APA Division 54). doi: 10.1093/jpepsy/jsr057]

34. Torquati, J.C., Huddlestone-Casas, C., Raikes, H., **Bovaird, J.A.**, & Harris, B.A. (2011). Family income, parent education, and perceived constraints as predictors of observed program quality and parent rated program quality. *Early Childhood Research Quarterly, 26*, 453-464.
35. Mi, X., Eskridge, K.M., Wang, D., Baenziger, P.S., Campbell, B.T., Gill, K.S., Dweikat, I., & **Bovaird, J.A.** (2010). Regression-Based Multi-Trait QTL Mapping Using a Structural Equation Model. *Statistical Applications in Genetics and Molecular Biology, 9*, 1-23.
36. Sheridan, S. M., Knoche, L. L., Edwards, C. P., **Bovaird, J. A.**, & Kupzyk, K. A. (2010). Parent engagement and school readiness: Effects of the Getting Ready intervention on preschool children's social-emotional competencies. *Early Education and Development, 21*, 125-156.  
[Earned the Routledge Education Class of 2011 Award for the most downloaded article in *Early Education and Development* in 2010. Article available at [informaworld.com/10.1080/10409280902783517](http://informaworld.com/10.1080/10409280902783517)]
37. Shogren, K. A., **Bovaird, J. A.**, Palmer, S. B., & Wehmeyer, M. L. (2010). Locus of control orientations in students with intellectual disability, learning disabilities, and no disabilities: A latent growth curve analysis. *Research and Practice for Persons with Severe Disabilities, 35*, 80-92.
38. Liu, C. J., Kemper, S., & **Bovaird, J. A.** (2009). Comprehension of health-related written materials by older adults. *Educational Gerontology, 35*, 653-668.
39. Locker, L., Hoffman, L., & **Bovaird, J. A.** (2007). On the use of multilevel modeling as an alternative to items analysis in psycholinguistic research. *Behavior Research Methods, 39*, 723-730.
40. Maikranz, J. M., Steele, R. G., Dreyer, M., Stratman, A., & **Bovaird, J. A.** (2007). The relationship of hope and illness-related uncertainty to emotional adjustment and adherence among pediatric renal and liver transplant recipients. *Journal of Pediatric Psychology, 32*, 571-581.
41. Marsh, H. W., Wen, Z., Hau, K., Little, T. D., **Bovaird, J. A.**, & Widaman, K. F. (2007). Unconstrained structural equation models of latent interactions: Contrasting residual- and mean-centered approaches. *Structural Equation Modeling: A Multidisciplinary Journal, 14*, 570-580.
42. Soukup, J. H., Wehmeyer, M. L., Bashinski, S., & **Bovaird, J. A.** (2007). Impact of classroom ecological and setting variables on access to the general curriculum of students with intellectual and developmental disabilities. *Exceptional Children, 74*, 101-120.
43. Hoffman, L., Yang, X., **Bovaird, J. A.**, & Embretson, S. E. (2006). Measuring attention in older adults: Development and psychometric evaluation of DriverScan. *Educational and Psychological Measurement, 66*, 984-1000.
44. Little, T. D., **Bovaird, J. A.**, & Widaman, K. F. (2006). On the merits of orthogonalizing powered and interaction terms: Implications for modeling interactions among latent variables. *Structural*

*Equation Modeling: A Multidisciplinary Journal*, 13, 497-519. [Senior authorship shared b/w J. A. Bovaird & T. D. Little]

45. Fleming, K., **Bovaird, J. A.**, Mosier, M. C., Emerson, M. R., LeVine, S. M., & Marquis, J. G. (2005). Statistical analysis of data from studies on Experimental Autoimmune Encephalomyelitis. *Journal of Neuroimmunology*, 170, 71-84.

#### Corporate Authorship Articles

1. Language and Reading Research Consortium<sup>1</sup>, Lo, M., & Xu, M. (2022). Impacts of the Let's Know! curriculum on the language and comprehension-related skills of prekindergarten and kindergarten children. *Journal of Educational Psychology*, 114(6), 1205-1224. <https://doi.org/10.1037/edu0000744>
2. Murphy, K.A., Springle, A.P., Sultani, M.J., McIlraith, A., & Language and Reading Research Consortium<sup>1</sup> (2022). Predicting Language Performance from Narrative Language Samples. *Journal of Speech, Language, and Hearing Research*, 65, 1-10. [https://doi.org/10.1044/2021\\_JSLHR-21-00262](https://doi.org/10.1044/2021_JSLHR-21-00262).
3. Language and Reading Research Consortium<sup>1</sup>, Mesa, C., & Yeomans-Maldonado, G. (2021). English and Spanish predictors of grade 3 reading comprehension in bilingual children. *Journal of Speech, Language, and Hearing Research*, 64(3), 1-20.
4. An, M., Dusing, S.C., Harbourne, R., Sheridan, S., & START-Play Consortium<sup>2</sup> (2020). What really works in intervention? Using fidelity measures to support optimal outcomes. *Physical Therapy*, 100(5), 757-765.
5. Language and Reading Research Consortium<sup>1</sup>, Mesa, C., & Yeomans-Maldonado, G. (2019). The Role of Prekindergarten Spanish in Predicting First Grade English Word Reading among Dual Language Learners. *Journal of Speech, Language, and Hearing Research*, 62(6), 1755-1774. doi: 10.1044/2019\_JSLHR-L-17-0146.
6. Language and Reading Research Consortium<sup>1</sup>, Currie, N.K., & Muijselaar, M. (2019). Inference making in young children: The concurrent and longitudinal contributions of verbal working memory and vocabulary. *Journal of Educational Psychology*, 111(8), 1416-1431. doi: 10.1037/edu0000342.
7. Language and Reading Research Consortium<sup>1</sup>, Jiang, H., & Logan, J. (2019). Improving reading comprehension in the primary grades: Mediated effects of a language-focused classroom

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<sup>1</sup> This paper was prepared by a Task Force of the Language and Reading Research Consortium (LARRC). As a corporate paper, all LARRC project sites and investigators are credited with authorship. *Ohio State University*: L.M. Justice (PI), R. Lomax, A. O'Connell, S.A. Petrill, S.B. Piasta; *Arizona State University*: S. Gray (PI), M.A. Restrepo; *Lancaster University* (Lancaster, UK): K. Cain (PI); *University of Kansas*: H. Catts (PI), M. Bridges, D. Nielsen; *University of Nebraska-Lincoln*: T. Hogan (PI), **J. Bovaird**, J.R. Nelson.

<sup>2</sup> This paper was prepared the START-Play Consortium. As a corporate paper, all START-Play Site Principal Investigators are credited with authorship: Regina Harbourne, *Duquesne University*; Stacey Dusing, *Virginia Commonwealth University*; Michele Lobo, *University of Delaware*; Sally Westcott-McCoy, *University of Washington*; and **James Bovaird**, *University of Nebraska-Lincoln*.

intervention. *Journal of Speech, Language, and Hearing Research*, 62(8), 2812-2828. doi: 10.1044/2019\_JSLHR-L-19-0015.

8. Language and Reading Research Consortium<sup>1</sup>, & Chiu, Y.D. (2018). The Simple View of Reading across development: The prediction of grade 3 reading comprehension by prekindergarten skills. *Remedial and Special Education*, 39(5), 289-303.
9. Language and Reading Research Consortium<sup>1</sup>, Jiang, H. & Farquharson, K. (2018). Are working memory and behavioral attention equally important for reading and listening comprehension? A developmental comparison. *Reading and Writing*, 31(7), 1449-1477.
10. Language and Reading Research Consortium<sup>1</sup>, Jiang, H., Logan, J.A., & Jia, R. (2018). Modeling the Nature of Grammar and Vocabulary Trajectories from Pre-Kindergarten to Third Grade. *Journal of Speech, Language, and Hearing Research*, 61(4), 910-923.
11. Language and Reading Research Consortium<sup>1</sup>, & Muijselaar, M. (2018). The dimensionality of inference making: Are local and global inferences distinguishable? *Scientific Studies of Reading*, 22(2), 117-136.
12. Language and Reading Research Consortium<sup>1</sup>, Yeomans-Maldonado, G., Bengochea, A., Mesa, C. (2018). The dimensionality of oral language in kindergarten Spanish-English dual language learners. *Journal of Speech, Language, and Hearing Research*, 61(11), 2779-2795.
13. McIlraith, A.L. & Language and Reading Research Consortium<sup>1</sup> (2018). Predicting word reading ability: A quantile regression study. *Journal of Research in Reading*, 41(1), 79-96.
14. Language and Reading Research Consortium<sup>1</sup> (2017). Oral language and listening comprehension: Same or different constructs? *Journal of Speech, Language, and Hearing Research*, 60, 1273-1284.
15. Language and Reading Research Consortium<sup>1</sup>, Jiang, H., & Davis, D. (2017). Let's Know! Proximal impacts on prekindergarten through grade 3 students' comprehension-related skills. *The Elementary School Journal*, 118(2), 177-206.
16. Language and Reading Research Consortium<sup>1</sup>, & Logan, J (2017). Pressure points in reading comprehension: A quantile multiple regression analysis. *Journal of Educational Psychology*, 109(4), 451-464.
17. Language and Reading Research Consortium<sup>1</sup> & Yeomans-Maldonado, G. (2017). Development of comprehension monitoring in beginning readers. *Reading and Writing*, 30(9), 2039-2067.
18. Murphy, K. A., Language and Reading Research Consortium<sup>1</sup>, & Farquharson, K. (2017). Investigating profiles of lexical quality in preschool and their contribution to first grade reading. *Reading and Writing*, 29(9), 1745-1770.
19. Alonzo, C.N., Yeomans-Maldonado, G., Murphy, K.A., Bevens, B., & Language and Reading Research Consortium<sup>1</sup> (2016). Predicting second grade listening comprehension using prekindergarten measures. *Topics in Language Disorders*, 36(4), 312-333.



20. Language and Reading Research Consortium<sup>1</sup> (2016). Use of the curriculum research framework (CRF) for developing a reading-comprehension curricular supplement for the primary grades. *The Elementary School Journal*, 116(3), 459-486.
21. Language and Reading Research Consortium<sup>1,3</sup>, Arthur, A.M., & Davis, D.L. (2016). A pilot study of the impact of double-dose robust vocabulary instruction on children's vocabulary growth. *Journal of Research on Educational Effectiveness*, 9(2), 173-200.
22. Language and Reading Research Consortium<sup>1</sup>, Farquharson, K., & Murphy, K. (2016). Ten steps to a large, multi-site, longitudinal investigation of language and reading in young children. *Frontiers in Psychology*, 7, 1-16.
23. Language and Reading Research Consortium<sup>1</sup> (2015). Learning to read: Should we keep things simple? *Reading Research Quarterly*, 50, 151-169.
24. Language and Reading Research Consortium<sup>1</sup> (2015). The dimensionality of language ability in young children. *Child Development*, 86, 1948-1965. doi: 10.1111/cdev.12450
25. Language and Reading Research Consortium<sup>1</sup> (2015). The dimensionality of Spanish in young Spanish-English dual-language learners. *Journal of Speech, Language, and Hearing Research*, 58, 754-766. doi:10.1044/2015\_JSLHR-L-13-0266
26. Language and Reading Research Consortium<sup>1</sup>, Johanson, M., & Arthur, A. (2015). Improving the language skills of Pre-Kindergarten students: Preliminary impacts of the Let's Know! experimental curriculum. *Child and Youth Care Forum*, 1-26. doi: 10.1007/s10566-015-9332-z
27. Language and Reading Research Consortium<sup>1</sup>, Pratt, A., & Logan, J. (2014). Improving language-focused comprehension instruction in primary-grade classrooms: Impacts of the Let's Know! experimental curriculum. *Educational Psychology Review*, 26, 357-377. doi: 10.1007/s10648-014-9275-1

#### Refereed Journal Articles Under Review

1. Cunha, A. B., Babik, I., Choi, D., Koziol, N. A., Harbourne, R. T., Dusing, S. C., Westcott-McCoy, S. W., Willett, S. L., **Bovaird, J. A.**, & Lobo, M. A. (Under Review). The impact of severity of motor delay, timing of task mastery, and START-Play intervention on the development of means-end problem solving in young children. *Brazilian Journal of Physical Therapy*.
2. Cunha, A. B., Babik, I., Harbourne, R. T., Dusing, S. C., Hsu, L.-Y., Koziol, N. A., Westcott-McCoy, S. W., Willett, S. L., **Bovaird, J. A.**, & Lobo, M. A. (Under Review). Evaluation of potential environmental and developmental precursors to executive function in young children with motor delays. *Infant Behavior and Development*.
3. Ihlo, T., Glover, T.A., Howell Smith, M.C., Martin, S.D., Wu, C., McCormick, C.M., & **Bovaird, J.A.** (Under Review). *Evaluating professional development with distance coaching for data-driven early reading intervention within a tiered support system*.

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<sup>3</sup> This paper was prepared by a Task Force of the Language and Reading Research Consortium (LARRC) consisting of **James A. Bovaird**, Laura Justice, and Tiffany Hogan (Conveners), Dawn Davis, Ann Arthur and Mindy Bridges.

4. Jancart, K. L., Babik, I., Cunha, A. B., Choi, D., Koziol, N. A., An, M., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Willett, S. L., **Bovaird, J. A.**, & Dusing, S. C. (Under Review). The effect of early versus late reaching mastery and START-Play intervention on object permanence in infants with neuromotor delays. *Developmental Medicine & Child Neurology*.
5. Kane, A.E., Koziol, N.A., Inamdar, K., Molinini, R.M., Marcinowski, E.C., Harbourne, R.T., Lobo, M.A., McCoy, S.W., Hsu, L., **Bovaird, J.A.**, & Dusing, S.C. (Under Review). *Problem Solving, Parent-provided Cognitive Opportunities and Motor Abilities are Inter-related in Young Children with Motor Delays*.
6. Kretch, K. S., Koziol, N. A, Marcinowski, E. C, Hsu, L.-Y., **Bovaird, J. A.**, Harbourne, R. T., Lobo, M. A., McCoy, S. W., Willett, S. L., & Dusing, S. C. (Under Review). Relations between sitting capacity and performance differ between typically developing infants and infants with motor delay. *Physical & Occupational Therapy in Pediatrics*.
7. Molinini, R. M., Koziol, N. A., Inamdar, K., Rhee, C., Salgaonkar, A., Harbourne, R. T., Hsu, L.-Y., McCoy, S., Lobo, M. A., **Bovaird, J.**, Burnsed, J., Spence, C., Stevenson, R., & Dusing, S. C. (Under Review). A modification to the Assessment of Problem-Solving in Play to enhance its utility: Evaluation of validity, responsiveness, and reliability. *Physical and Occupational Therapy in Pediatrics*.

#### Published Abstracts

1. Wang, L.M., Brill, L.C., Nord, J., & **Bovaird, J.** (2020). Higher speech levels in K-12 classrooms correlate with lower math achievement scores [Abstract]. *The Journal of the Acoustical Society of America*, 148(4), 148.
2. Miramonti, A.A., Bovaird, J.A., Franzen-Castle, L., & Krehbiel, M. (2019). Unidimensionality and Internal Consistency Reliability of Step Counts and Floors Climbed in 4<sup>th</sup>-5<sup>th</sup> Grade Students [Abstract]. *Medicine and Science in Sports and Exercise*, 51(S), 366-367.
3. Miramonti, A.A., Jenkins, N.D.M, Hill, E.C., Smith, C.M., Housh, T.J., & **Bovaird, J.A.** (2019). Electromyographic and Mechanomyographic Amplitude Response Patterns during Isometric vs. Concentric Dynamic Constant External Resistance Leg Extension Muscle Actions [Abstract]. *The Journal of Strength & Conditioning Research*, 33(2), e20-e21.
4. Dusing, S.C., Harbourne, R., Lobo, M.A., Westcott-McCoy, S., & **Bovaird, J.A.** (2018). Improvements in Motor and Cognitive Development Following Sitting Together And Reaching To Play (START-Play): Single Subject Multiple Baseline Study of Two Children [Abstract]. *Developmental Medicine & Child Neurology*, 60 (S3).
5. Smith, K.H., Arthur, A., **Bovaird, J.**, & Wang, L.M. (2018). Effects of measured acoustic and other indoor environment factors on student achievement in K-12 classrooms [Abstract]. *Journal of the Acoustical Society of America*, 144, 1894(A).

6. Tripathi, T., Syed, G., Marcinowski, E., Hsu, L.Y., Koziol, N., Dusing, S.C., & START-Play Consortium<sup>4</sup> (2018). Sitting Abilities Predict Early Problem Solving Skills in Infants with Motor Delays [Abstract]. *Pediatric Physical Therapy*, 30 (1), E1–E8.
7. Tripathi, T., Hsu, L.Y., Koziol, N., Syed, G., Dusing, S.C., & START-Play Consortium<sup>3</sup> (2017). Concurrent validity of the Bayley cognitive subtest and early problem solving indicator in infants with neuromotor impairments. *Developmental Medicine & Child Neurology*, 59, 13-113.
8. Wang, L.M., Brill, L.C., Lester, H., & **Bovaird, J.** (2017). Relations between acoustic quality and student achievement in K-12 classrooms [Abstract]. *Journal of the Acoustical Society of America*, 141, 3966(A).
9. Lee, J., Brill, L.C., Lester, H., **Bovaird, J.**, & Wang, L.M. (2016). Statistically defining the construct of “acoustic quality” in K-12 classrooms [Abstract]. *Journal of the Acoustical Society of America*, 140, 2946.

#### In Preparation/Under Revision

1. Arthur, A.M., **Bovaird, J.A.**, & Koziol, N.A. (in preparation). *Comparing multilevel and single-level approaches for small samples and count data.*
2. Babik, I., Cunha, A. B., Hsu, L.-Y., Harbourne, R. T., Dusing, S. C., Koziol, N. A., Westcott-McCoy, S. W., Willett, S. L., **Bovaird, J.A.**, & Lobo, M. A. (in preparation). *Relation between children’s mastery motivation and developmental outcomes.*
3. Bash, K.L. & **Bovaird, J.A.** (in preparation). *Evaluating count outcomes in synthesized single-case designs with multilevel modeling: A simulation study.*
4. **Bovaird, J.A.** (in preparation). *Fixed vs. sequential experimental designs: Implications for cluster randomized trials in education.*
5. Hsu, L.-Y., Chang, H.-J., McCoy, S. W., Harbourne, R. T. Dusing, S. C., Lobo, M. A., **Bovaird, J.A.**, & Koziol, N. A. (under revision). *Criterion validity evidence of the Gross Motor Function Measure 66 Item Sets in infants with cerebral palsy and motor delays.*
6. Lester, H.F. & **Bovaird, J.A.** (under revision). *Informative Hypotheses as a Methodological Middle-Ground to Detect Interpretational Confounding in Formative Measurement Models.*
7. McManus, B. M., Koziol, N., Hsu, L.-Y., Farhadi, H., **Bovaird, J.A.**, Harbourne, R., Lobo, M., McCoy, S., Willett, S., & Dusing, S. (in preparation). *Characteristics of therapy service use among infants with confirmed motor delays in the START-Play study.*
8. Miramonti, A.A., Rida, Z., Fischer, J.A., Pense, S.M., **Bovaird, J.A.**, & Kasabian, A.S. (under revision). *Exploring Parent and School Administrator Attitudes and Perceptions about School*

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<sup>4</sup> This paper was prepared the START-Play Consortium. As a corporate paper, all START-Play Site Principal Investigators are credited with authorship: Regina Harbourne, *Duquesne University*; Stacey Dusing, *Virginia Commonwealth University*; Michele Lobo, *University of Delaware*; Sally Westcott-McCoy, *University of Washington*; and **James Bovaird**, *University of*

*Breakfast to Understand Why Participation is Low in a Rural Midwest State: A mixed methods analysis.*

9. Molinini, R. M., Chu, V., Koziol, N. A., Price, S. K., Shall, M. S., Harbourne, R. T., Lobo, M. A., McCoy, S. W., **Bovaird, J.A.**, & Dusing, S. C. (in preparation). *START-Play intervention impacts emotional availability in children with neuromotor delays.*
10. Molinini, R. M., Chu, V., Koziol, N. A., Price, S. K., Shall, M. S., Harbourne, R. T., Lobo, M. A., McCoy, S. W., **Bovaird, J.A.**, Marcinowski, E. C., & Dusing, S. C. (in preparation). *The trajectory of emotional availability during the first and second years of life in children with and without motor delay.*
11. Molinini, R. M., Chu, V., Koziol, N. A., Price, S. K., Shall, M. S., Harbourne, R. T., Lobo, M. A., McCoy, S. W., **Bovaird, J.A.**, Marcinowski, E. C., & Dusing, S. C. (in preparation). *The transactional relationship between parents' emotional availability and children's global development in children with and without motor delays.*
12. Smith, W.Z. & **Bovaird, J.A.** (in preparation). *The impact of measurement scale on trends of development.*
13. Svoboda, E. & **Bovaird, J.A.** (in preparation). *Multilevel metric invariance: A Monte Carlo simulation.*

#### Books & Edited Texts

1. **Bovaird, J.A.**, Geisinger, K., & Buckendahl, C. (Eds.) (2011) *High-stakes testing in education: Science and practice in K-12 settings*. Washington, DC: APA Books.
2. Little, T.D., **Bovaird, J.A.** & Card, N.A. (Eds.) (2007) *Modeling contextual effects in longitudinal studies*. Mahwah, NJ: Erlbaum. **[Editorial responsibilities were shared equally]**

#### Book Chapters

1. **Bovaird, J.A.**, & Bash, K.L. (2017). Methodology challenges and cutting edge designs for rural education research. In G.C. Nugent, G.M. Kunz, S.M. Sheridan, T.A. Glover, & L.L. Knoche (Eds.) *Rural Education Research in the United States: State of the Science and Emerging Directions* [pp. 95-119]. New York: Springer.
2. Hawley, L.R., Koziol, N.A., & **Bovaird, J.A.** (2017). Defining and communicating rural. In G.C. Nugent, G.M. Kunz, S.M. Sheridan, T.A. Glover, & L.L. Knoche (Eds.) *Rural Education Research in the United States: State of the Science and Emerging Directions* [pp. 31-54]. New York: Springer.
3. **Bovaird, J.A.**, & Koziol, N.A. (2012). Measurement Models for Ordered-Categorical Indicators. In R. Hoyle (Ed.), *Handbook of Structural Equation Modeling* [pp. 495-511]. New York: The Guilford Press.

4. **Bovaird, J.A.**, Geisinger, K.F., & Buckendahl, C.W. (2011). Introduction. In J.A. Bovaird, K.F. Geisinger, & C.W. Buckendahl (Eds.) *High-stakes testing in education: Science and practice in K-12 settings* [pp. 3-10]. Washington, DC: APA Books.
5. **Bovaird, J.A.**, & Koziol, N. (2011). High-Stakes Education Research: Enhanced Scrutiny of the Education System and Its Consequences. In J.A. Bovaird, K.F. Geisinger, & C.W. Buckendahl (Eds.) *High-stakes testing in education: Science and practice in K-12 settings* [pp. 211-228]. Washington, DC: APA Books.
6. **Bovaird, J.A.**, & Shaw, L.H. (2011). Multilevel Structural Equation Models. In B. Laursen, T. Little, & N. Card (Eds.) *Handbook of Developmental Research Methods* [p. 501-518]. New York: The Guilford Press.
7. Römheld, A., & **Bovaird, J.A.** (2011). Assessing language: Implications for students with limited English proficiency. In J.A. Bovaird, K.F. Geisinger, & C.W. Buckendahl (Eds.) *High-stakes testing in education: Science and practice in K-12 settings* [pp. 59-75]. Washington, DC: APA Books.
8. **Bovaird, J.A.** (2010). Scales and surveys: The problem with assessing bullying behaviors. In S. R. Jimerson, S. M. Swearer, & D. L. Espelage (Eds.) *The Handbook of Bullying in Schools: An International Perspective* [pp. 277-292]. New York: Routledge.
9. **Bovaird, J.A.**, & Embretson, S.E. (2008). Modern measurement in the social sciences. In P. Alasuutari, L. Bickman, & J. Brannen (Eds.) *The Sage Handbook of Social Research Methods* [pp. 269-289]. London: Sage.
10. **Bovaird, J.A.** (2007). Multilevel structural equation models for contextual factors. In T.D. Little, J.A. Bovaird, & N.A. Card (Eds.). *Modeling contextual effects in longitudinal studies* [pp. 149-182]. Mahwah, NJ: Erlbaum.
11. Card, N.A., Little, T.D., & **Bovaird, J.A.** (2007). Modeling ecological and contextual effects. In T.D. Little, J.A. Bovaird, & N.A. Card (Eds.). *Modeling ecological and contextual effects in longitudinal studies of human development* [pp. 1-11]. Mahwah, NJ: Erlbaum.
12. Little, T.D., Card, N.A., **Bovaird, J.A.**, Preacher, K., & Crandall, C.S. (2007) Structural equation modeling of mediation and moderation with contextual factors. In T.D. Little, J.A. Bovaird, & N.A. Card (Eds.). *Modeling contextual effects in longitudinal studies* [pp. 207-230]. Mahwah, NJ: Erlbaum.
13. Little, T.D., **Bovaird, J.A.**, & Slegers, D. (2006). Methods for the analysis of change. In D. Mroczek & T.D. Little (Eds.). *Handbook of Personality Development* [pp. 181-211]. Mahwah, NJ: Erlbaum.

#### Encyclopedia Entries

1. **Bovaird, J.A.** (2010). Achievement tests. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 79-81]. New York: Springer.
2. **Bovaird, J.A.** (2010). Computer based testing. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 256-257]. New York: Springer.

3. **Bovaird, J.A.** (2010). Gf Gc model of intelligence. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 478-479]. New York: Springer.
4. **Bovaird, J.A.** (2010). Testing and measurement. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 981-984]. New York: Springer.
5. **Bovaird, J.A.,** & Ivie, J.L. (2010). Intelligence/IQ. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 545-547]. New York: Springer.
6. **Bovaird, J.A.,** & Kupzyk, K.A. (2010). Sequential Designs. In N.L. Salkind, D.M. Dougherty, & B. Frey (Eds.) *Encyclopedia of research design* [pp. 1346-1351]. London: Sage.
7. **Bovaird, J.A.,** & Römheld, A. (2010). High-stakes testing. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 504-507]. New York: Springer.
8. **Bovaird, J.A.,** & Schenk, D. (2010). SAT. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 830-832]. New York: Springer.
9. Kupzyk, K.A., & **Bovaird, J.A.** (2010). College Board. In C.S. Clauss-Ehlers (Ed.). *Encyclopedia of Cross-Cultural School Psychology* [pp. 233-234]. New York: Springer.

#### Manuscripts, Reports, and Research-Related Works

1. Sheridan, S., Dynarski, M., & **Bovaird, J.** (with Hawley, L., Witte, A., Holmes, S., Coutts, M., & Arthur, A.) (2017). *Studying educational effectiveness in rural settings: A guide for researchers*. Unpublished manuscript, National Center for Research on Rural Education, University of Nebraska–Lincoln.
2. Nugent, G., Pedersen, J., Welch, G., & **Bovaird, J.** (2014). *Development and Validation of an Instrument to Measure Teacher Knowledge of Inquiry* (R2 Ed Working Paper No. 2014-14). Retrieved from the National Center for Research on Rural Education: r2ed.unl.edu
3. McCormick, C., Koziol, N., Arthur, A., & **Bovaird, J.A.** (2012). *LARRC Technical Report on Psychometric Properties*. Lincoln, NE: The Nebraska Center for Research on Children, Youth, Families and Schools.
4. McCormick, C., Koziol, N., Arthur, A., & **Bovaird, J.A.** (2012). *LARRC Technical Report on Data Issues*. Lincoln, NE: The Nebraska Center for Research on Children, Youth, Families and Schools.
5. Arthur, A., McCormick, C., & **Bovaird, J.** (2011). *Psychometric Properties of LARRC Release A Scales: Recommendations for the Family Background Questionnaire and Teacher Background Questionnaires*. Lincoln, NE: The Nebraska Center for Research on Children, Youth, Families and Schools.
6. Koziol, N.A., **Bovaird, J.A.,** & Harms, P.D. (2011). *GAT Item Analysis and Instrument Revision Project*. Lincoln, NE: The Nebraska Center for Research on Children, Youth, Families and Schools.

7. **Bovaird, J.A.** (2005). *A Statistical Exploration of the Kansas Vision for School Readiness*. Topeka, KS: Kansas State Department of Education.
8. **Bovaird, J.A.** (2004). *Predicting Student Readiness for School by Kansas County: A Preliminary Report Based on 2003 Pilot Data*. Topeka, KS: Kansas State Department of Education.
9. Ravesloot, C., Seekins, T., Ipsen, C., Seninger, S., Murphy-Southwick, C., Brennan, L., Fjeld, R.K., White, G.W., Branstetter, A., Chapman, V., Jay, A., **Bovaird, J.A.**, Marquis, J., & Rural Institute (2003). *A Cost-Effectiveness Analysis of a Community-Based Health Promotion Intervention for Adults with Mobility Impairments: Living Well with a Disability*. Missoula, MT: University of Montana.
10. **Bovaird, J.A.** (2002). *New Applications in Testing: Using Response Time to Increase the Construct Validity of a Latent Trait Estimate*. Unpublished dissertation, University of Kansas, Lawrence, KS.
11. Ziegler, D.R., & **Bovaird, J.A.** (2002). *Baker University College of Arts and Sciences: Assessment of Student Learning Outcomes 2001*. Baldwin City, KS: Baker University, Office of Assessment and Institutional Research.
12. **Bovaird, J.A.**, & Ziegler, D.R. (2002). *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Assessment and Institutional Research.
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14. **Bovaird, J.A.**, & Ziegler, D.R. (2002). Exhibit 13: Prediction model of freshman GPA. *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Assessment and Institutional Research.
15. White, G.W., Branstetter, A., Chapman, V., Jay, A., **Bovaird, J.A.**, & Marquis, J.G. (2001). *Final report: Study 3 – behavioral strategies for maintaining and building on health gains*. Lawrence, KS: University of Kansas and Missoula, MT: University of Montana.
16. Ziegler, D.R., & **Bovaird, J.A.** (2001). *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Assessment and Institutional Research.
17. **Bovaird, J.A.** (1999). *Individual Differences in Modifiability of Ability Under Time-Related Stress*. Unpublished master's thesis, University of Kansas, Lawrence, Kansas.
18. Ziegler, D.R., **Bovaird, J.A.**, and Ellifrits, J.L. (1997). *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Institutional Research.
19. **Bovaird, J.A.** (1996). Exhibit 12: 1995 Baker University non-returning student survey: A preliminary report. *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Institutional Research.

20. Ziegler, D.R., Sergent, S.D., & **Bovaird, J.A.** (1996). *Baker University institutional research report: An annual compilation*. Baldwin City, KS: Baker University, Office of Institutional Research.

## Research Grants, Fellowships, and Contracts

### *Currently Funded Grants*

- 2022-26 Partner/Evaluator. *Digital Twin Innovation Hub*. Funded by Office of Research and Economic Development—Grand Challenges, University of Nebraska-Lincoln. PI: Helikar, Total awarded: \$5,039,652.
- 2020–25 Investigator. *Evaluation of the Efficacy of a Physical Therapy Intervention Targeting Sitting and Reaching for Young Children with Cerebral Palsy* (NIH/NICHHD). University of Southern California PI: S. Dusing, UNL PI: N. Koziol. Total awarded: \$3,114,277; UNL Subaward: \$330,869 (5 years).
- 2021-24 Co-Investigator. *Classrooms' Filters on Student Learning* (NE Dept of Education). PI: J. Lau. Total awarded: \$556,003 (2 years).
- 2020-24 Statistician. *Exploring Cognitive and Foundational Processes Underlying PreAlgebra Among Students With and Without Mathematics Learning Difficulties* (USDOE/IES). University of Delaware PI: J. Namkung. Total awarded: \$1,399,534; UNL Subaward: 100,393 (4 years).
- 2018-24 Co-Principal Investigator. *Testing the Efficacy of INSIGHTS for Promoting Positive Learning Environments and Academic Achievement in Nebraska: A Replication Study* (USDOE/IES). PI: G. Nugent. Total direct & indirect: \$3,299,957 (4 years).
- 2019-23 Senior Statistician. *Project VIEW: Visual Impairment Education in Writing* (USDOE/IES). PI: M. Hebert. Total direct & indirect: \$1,399,620 (4 years).
- 2016-23 Co-Principal Investigator. *Early Learning Contexts in Rural and Urban Nebraska* (USDOE/IES). PI: S. Sheridan. \$4,499,879 (5 years).

### *Pending Proposals*

- 2024-28 Partner/Evaluator. *Nebraska Precision Infectious Disease Prevention*. Submitted to Office of Research and Economic Development—Grand Challenges, University of Nebraska-Lincoln. PI: L. Zhang

### *Completed Grants and Fellowships*

- 2015-22 Co-Investigator/Subcontract Principal Investigator. *Efficacy of the START-Play Program for Infants with Neuromotor Disorders* (USDOE/IES). Duquesne University PI: R. Harbourne. Total awarded: \$6,000,000; UNL Subaward: \$623,913 (7 years).
- 2015-21 Investigator. *Getting Ready 0–3 (GR03): Supporting the Development of Infants/toddlers through an Integrated Parent–Teacher Relationship-Based Approach* (DHHS/ACF). PI: L.



Knoche. Total awarded: \$2,498,510 (5 years).

- 2019-20 Principal Investigator. *NE Dept of Ed GRA AY20 – Monica Rose* (NDE). PI: J. Bovaird. Total awarded: \$28,972 (1 year).
- 2016-20 Investigator. *A Randomized Trial of Conjoint Behavioral Consultation (CBC) with Latino Students: A Replication Study* (USDOE/IES). PI: S. Sheridan. Total direct & indirect: \$3,449,987 (4 years).
- 2014-19 Co-Principal Investigator. *Healthy Schools: Environmental Factors, Children's Health and Performance, and Sustainable Building Practices* (EPA). PI: L. Wang. Total direct & indirect: \$998,433 (4 years).
- 2012-18 Co-Principal Investigator. *Efficacy of the Getting Ready Intervention at Supporting Parental Engagement and Positive Outcomes for Preschool Children at Educational Risk* (USDOE/IES). PI: S. Sheridan. Total direct & indirect: \$3,212,918 (4 years).
- 2014-17 Co-Principal Investigator. *Conducting Education Research in Rural Settings* (USDOE-IES/UNL Sub-Contract through Decision Information Resources, Inc.). UNL Co-PI: S. Sheridan; DIR PI: R. Jackson. Total direct & indirect: \$104,671.39 (1 year).
- 2014-16 Statistician. *Early Temperament, Social/Contextual Support and Adolescent Adjustment* (NIH). PI: L. Crockett. Total direct & indirect: \$151,000 (2 years).
- 2010-16 Investigator (Statistician). *The Language Bases of Skilled Reading Comprehension* (USDOE-IES). UNL Sub-Award PI: T. Hogan; Ohio State University PI: L. Justice. Total awarded: \$19,999,999; UNL Subaward: \$4,486,155 (5 years).
- 2010-15 Co-Principal Investigator. *A Randomized Trail of Conjoint Behavioral Consultation (CBC) in Rural Education Settings: Efficacy for Elementary Students with Disruptive Behavior* (USDOE/IES). PI: S. Sheridan. Total awarded: \$2,999,429 (4 years).
- 2009-15 Co-Principal Investigator (Core Director). *The National Center for Research on Rural Education (R<sup>2</sup>Ed)* (USDOE/IES). PI: S. Sheridan. Total direct: \$9,997,852 (5 years).
- 2013-14 Statistician. *Temperament and preschool classroom processes as predictors of kindergarten achievement for children with demographic risk* (AERA). PI: K. Rudasill. Total requested: \$34,999 (1 year).
- 2011-14 Investigator (Statistician). *Efficacy of supplemental 'Early Vocabulary Connections' instruction for English language learners* (USDOE/IES). UNL Subaward PI: J. Nelson. Washington Research Institute PI: P. Vadasy. Total Sub-Award: \$258,054 (3 years).
- 2010-14 Program Faculty. *GAANN Fellowship for Educational Psychology* (USDOE). PI: R. de Ayala. Total awarded: \$547,242 (3 years).
- 2008-13 Co-Principal Investigator (Co-Training Director). *Postdoctoral Fellowship for Interdisciplinary Research on Learning Ecologies and Educational Innovations*. (USDOE/IES). Co-PIs: T. Glover & S. Sheridan. Total direct: \$599,694.

- 2010-12 Consultant (not named). *Testing Thresholds of Quality Care on Child Outcomes Globally & in Subgroups: Secondary Analysis of QUINCE, Early Head Start and Midwest Child Care Research Consortium Quality Rating Systems Pilot Data* (DHHS - ACF). PIs: H. Raikes & J. Torquati. Total awarded: \$120,000 (3 years).
- 2010-11 Co-Principal Investigator. *Research Agenda on Family-School Partnerships: An Interdisciplinary Examination of State of the Science and Critical Needs* (AERA). PI: S. Sheridan. Total direct: \$14,109 (1 year).
- 2009-10 Co-Investigator. *Continuity Across Family and School Systems to Promote the Learning and Development of Children and Adolescents* (NSF Workshop Grant). PI: S. Sheridan. Total direct: \$14,999.
- 2006-10 Consultant (Statistician). *Effectiveness of a Treatment for Pediatric Obesity* (DHHS grant R40MC06631-01-00). PI: R.G. Steele. Total direct: \$458,315.
- 2004-10 Methodological Consultant (Statistician). *Evaluation of the Efficacy of CBC for Addressing Disruptive Behaviors of Children At-Risk for Academic Failure* (USDOE). PI: S. Sheridan, Co-PI: T. Glover. Total direct: \$1,368,067.
- 2003-10 Methodological Consultant (Statistician). *Parent Engagement and Child Learning Birth to Five* (NIH/NICHHD). PI: S. Sheridan, Co-PIs: C.P. Edwards. Total direct: \$5,037,786.
- 2007-09 Principal Investigator. *Evaluating the Validity of Competing Methods for Measuring Cortical Activity* (UNL Research Council Layman competition). Total direct: \$10,000.
- 2004-05 Contractor (Statistician), *The Kansas Vision for School Readiness* (Kansas State Board of Education contract 652-03-1308). PIs: S. Martinez & G. Stuber. Contract: \$20,000.
- 2003-04 Summer Workshop Fellow, *Functional MRI Informatics Summer Workshop*. fMRI Data Center, Dartmouth College. \$200 + tuition & lodging.
- 2002-04 Postdoctoral Trainee, *Interdisciplinary Research Training in MR/DD* (NICHD 5-T32-HD07525-04). Program Director: K. Saunders.
- 2003 Visiting Fellow, *APA Advanced Training Institute Visiting Fellowship Program in Functional MRI*. NMR Center, Massachusetts General Hospital, Charlestown, MA. \$900.
- 2003 Conference Coordinator, *Statistical Approaches to Examining Ecological Models of Human Development* (NSF grant 0345677). Co-PIs: T. Little & J. Marquis. Total direct: \$20,000.
- 2001 Graduate Student Workshop Grant, Society of Multivariate Experimental Psychology, \$1000.

### ***Recent Unfunded Proposals***

1. Co-Investigator. *Leading After Retirement: Facilitation of Psychosocial Well-being in Older Adults* (RRF Foundation for Aging). PI: L.J. McElravy. Total requested: \$135,705 (2 years). Submitted 5/23)
2. Co-Investigator. *A Mixed Methods, Micro-Longitudinal Study of Adolescent Solitary Substance Use* (NIH). PI: A. Mason. Total requested: \$3,086,959 (5 years). Submitted: 11/22
3. External Evaluator. *An online environment for Making and Tinkering with computational models and simulations* (NSF). PI: T. Helikar. Total requested: \$2,558,017. Submitted: 1/22.
4. External Evaluator. *DRK-12 Assessment Level II: Model- and Simulation-based Systems Skills Assessment* (NSF). PI: T. Helikar. Total requested: \$300,000. Submitted: 7/21
5. Co-Investigator/Subcontract Principal Investigator. *A randomized controlled trial of the Superheroes Social Skills program for children with autism spectrum disorder*. (USDOE/IES). University of Utah PI: K. Radley. Total requested: \$3,430,109; UNL Subaward: \$926,064 (5 years). Submitted 9/20.
6. Investigator/Subcontract Investigator. *Evaluating the Efficacy of Supporting Movement Activity for Reasoning and Thinking in Play (SMART-Play) for Infants with Motor-Delays Under 2 Years of Age* (USDOE/IES). Virginia Commonwealth University PI: S. Dusing, UNL PI: N. Koziol. Total requested: \$3,500,000 (4 years); UNL Subaward: \$359,877. Submitted 8/16/19.
7. Co-Principal Investigator. *Expanding Education Research Capacity Among STEM Scholars Through the Nebraska Institute for STEM Education Research* (NSF). PI: L. Wheeler. Total requested: \$999,999 (3 years). Submitted 6/7/19.
8. Co-Investigator/Subcontract Principal Investigator. *Comparison of the Efficacy of Two Models of Providing the Sitting Together and Reaching to Play (START-Play) Intervention for children with Moderate to Severe Motor Impairments* (USDOE/IES). Virginia Commonwealth University PI: S. Dusing. Total requested: \$3,500,000; UNL Subaward: \$326,551 (4 years). Submitted: 8/15/18.
9. Co-Principal Investigator. *National Center for Research on Education–2 (R2Ed2)* (USDOE/IES). PI: S. Sheridan. Total requested: \$10,000,000 (5 years). Resubmitted 8/8/18.
10. Senior Statistician. *Efficacy and Cost Effectiveness of Technology-Based Decoding Instruction with and without Enhanced Comprehensive Professional Development for Struggling Readers* (USDOE/IES). PI: J. Nelson. Total requested: \$3,296,239 (4 years). Submitted: 8/17/2017.
11. Advisor/Mentor. *Evaluating Response Strategies to Increase Test Validity and Fairness by Reducing Omitted Response Bias* (AERA). PI: A. Arthur. Total requested: \$20,000 (1 year). Submitted: 9/14/16.
12. Investigator. *Malleable Professional Development Factors for SAT Academic Interventions* (USDOE/IES). PI: J. Nelson. Total requested: \$958,206 (4 years). Submitted: 7/25/2016.

13. Investigator. *Cognitive and Mathematical Predictors of Pre-algebra among Students with Mathematics Disabilities versus Typically Developing Students* (NSF). PI: M. Namkung. Total requested: \$1,320,838 (3 years). Submitted 9/14/16.
14. Co-Principal Investigator. *Efficacy of Coaching in Teacher Professional Development for Science Inquiry* (USDOE/IES). PI: G. Nugent. Total requested: \$3,299,550 (5 years). Resubmitted: 7/20/16.
15. Investigator. *The Effects of Personalized and Linked Technology- and Teacher-Based Literacy Instruction for Middle School Students Experiencing Reading Difficulties* (USDOE/IES). UNL Subaward PI: J. Nelson. Total subaward requested (3 years): \$448,288. Submitted: 7/20/16.
16. Co-Investigator. *Executive Control and Adolescent Weight Trajectories* (NIH/NIDDK). PI: T. Nelson. Total requested: \$3,748,139 (5 years). Resubmitted: 2/5/16.
17. Co-Principal Investigator. *Children's Cognitive and Physical Development: Interactive Relationships between Parenting and Community in the Rural South and Midwest* (NIH). PI: I Iruka. Total requested: \$428,902 (2 years). Submitted: 10/9/15.
18. Advisor/Mentor. *Regional Measurement Invariance: Potential Policy Implications* (AERA). PI: H. Lester. Total requested: \$19,980 (1 year). Submitted: 9/10/15.
19. Program Faculty. *GAANN Fellowship for Educational Psychology* (USDOE). PI: R. de Ayala. Total requested: \$581,898 (3 years). Submitted: 5/29/15
20. Co-Investigator. *Persistence of Interoceptive Conditioning with Nicotine in Females and Males* (NIH/NIDA) PI: R. Bevins. Total requested: \$250,142 (1 year). Submitted: 10/27/14.
21. Investigator. *Ecological moderators of conjoint behavioral consultation across two efficacy studies* (USDOE/IES). PI: A. Dent. Total requested: \$799,982 (4 years). Submitted: 8/7/14.
22. Co-Principal Investigator. *Efficacy of NU Data in Fostering the School Success of Students with Disabilities* (USDOE/IES). PI: B. Doll. Total requested: \$3,455,375 (4 years). Submitted 8/1/14.
23. Co-Investigator. *Risk for Interpersonal Revictimization: The Roles of Cumulative Victimization, Emotion Regulation, and Genetic Vulnerabilities* (NIH). PI: D. DiLillo. Total requested: \$3,722,355 (5 years). Submitted: 7/7/14.
24. Investigator. *Threat Assessment Approach in K-12 Schools* (NIJ). PI: M. Scalora. Total requested: \$2,736,463 (5 years). Submitted: 5/20/14.
25. Co-Principal Investigator. *Efficacy of Science Coaching in Teacher Professional Development* (NSF). PI: G. Nugent. Total Requested: \$2,999,901 (4 years). Submitted: 12/5/13.
26. Principal Investigator. *Psychometric Evaluation of DIBELS Next for Measuring Student Growth Over Time* (USDOE/IES). Total Requested: \$899,897 (3 years). Submitted: 9/4/13.
27. Co-Principal Investigator. *Extending Value-added Modeling Applications to Investigate the Impact of Missing Data and Other Design Factors* (USDOE/IES). PI: L. Hawley. Total Requested: \$279,825 (2 years). Submitted: 9/4/13.

28. Co-Principal Investigator. *Efficacy of Coaching in Teacher Professional Development for Science Inquiry in Grades 6-12* (USDOE/IES). PI: G. Nugent. Total requested: \$3,499,974 (4 years). Submitted: 9/4/13.
29. Co-Investigator. *A cross-system intervention managing overweight and obesity for 3 to 5 year olds* (NIH). PI: B. Clarke. Total direct & indirect: \$3,642,658 (5 years). Submitted: 7/19/13.
30. Statistician. *Pre-Service Teachers' Beliefs of Children's Emotional & Social Well Being* (Spencer Foundation). PI: K. Rudasill. Total requested: \$49,915 (2 years). Submitted: 5/15/13.
31. Co-Investigator. *The fit and impacts of portals in patients' personal health information management and health outcomes* (NIH/AHCRQ). PI: N. Shank. Total requested: \$1,204,979 (5 years). Submitted: 2/5/13.
32. Co-Principal Investigator. *Infant Toddler Literacy Assessment (ITLA)* (USDOE/IES). PI: C. Marvin. Total direct & indirect: \$1,592,534 (4 years). Submitted: 9/20/12.
33. Consultant (Statistician)/Subcontract Principal Investigator. *A Randomized Clinical Trial of a Comprehensive Function-Based Approach to the Treatment of Elopement in Children with Autism Spectrum Disorders* (DOD). PI: D. Lerman (University of Houston, Clear Lake). Total Sub-Award Requested (Direct & Indirect): \$4,930. Submitted: 11/21/11
34. Co-Principal Investigator. *Hazards SEES Type 2: Accurately Predicting and Effectively Communicating Flood Inundation Impacts in South Asia: Implementation of Scientific and Technical Modeling Information* (NSF). PI: S. Michaels. Total requested: \$2,799,970 (4 years). Submitted: 2/4/13.
35. Co-Investigator/Subcontract Principal Investigator. *Effects of Exercise on Taxane-Induced Neuropathy* (NIH). PI: C. Visovsky (University of South Florida). Total Sub-Award Requested (Direct & Indirect): \$127,968 (5 years). Re-submitted: 11/1/11.
36. Advisor/Mentor. *A Monte Carlo Simulation for Compliance Average Causal Effect in Long Term Randomized Intervention Studies with Noncompliance* (AERA). PI: C. Wu. Total Requested: \$19,880 (1 year). Submitted: 9/1/11.
37. Investigator. *Race to the Top* (USDOE). UNL Subaward PI: M. Kostelnik; Lead Agency: NE DHHS. Total Sub-Award: \$16,489,437 (4 years). Submitted: 10/19/11
38. Principal Investigator. *Regional Education Laboratory Subcontract* (USDOE). PI: L. Cicchinelli (Mid-continent Research for Education and Learning (McREL)). Total Sub-Award Requested (Direct & Indirect): \$249,999 (5 years). Submitted: 6/28/11.
39. Principal Investigator. *Doctoral Dissertation Research: A Monte Carlo simulation for compliance average causal effect in long term randomized intervention studies with noncompliance* (NSF). Co-PI (doctoral student): C. Wu. Total Requested: \$8,750 (1 year). Submitted: 8/16/11.

40. Co-Principal Investigator. *Family Partnerships Research Center (FPRC)* (USDOE/IES). PI: S. Sheridan, Total Award Requested (Direct & Indirect): \$9,999,993 (5 years). Submitted: 9/22/11.
41. Investigator (Statistician). *Summer Science Explorers (SSE)* (NSF). PI: R. Bruning. Total Requested: \$3,433,625 (5 years). Submitted 12/22/10.
42. Co-Investigator. *Parent Engagement and Partnerships in and Through the Transition to Kindergarten* (NIH). PI: S. Sheridan. Total direct & indirect: \$3,663 (5 years). Re-Submitted 11/19/10.
43. Consultant (not named). *Rethinking Children's Menus with Culinary Nutrition Criteria* (USDA). UNL Sub-award PI: M. Schnepf; Clemson University PI: M. Condrasky. Total Sub-Award Requested: \$1,255,632 (5 years). Submitted: 6/29/10.
44. Principal Investigator. *Doctoral Dissertation Research: Extending the utility of value-added models: Evaluating the impact of outcome measures on intervention efficacy* (NSF). Co-PI (doctoral student): L. Shaw. Total Requested: \$7,900 (1 year). Submitted: 8/16/10.
45. Consultant (Statistician). *Development and Assessment of Two Web-based Resources for Pediatric Obesity* (NIH). PI: R. Steele (University of Kansas). Total direct: \$274,841 (2 years). Submitted: 2/16/10.
46. Statistical Consultant. *The Effect of Text Cohesion on Improving Health Literacy About Colorectal Cancer* (NIH). PI: C. Liu (Indiana University at Indianapolis (IUPUI)). Total Requested: \$403,472 (2 years). Resubmitted: 2/12/10.
47. Co-Investigator/Subcontract Co-Principal Investigator. *Working Memory and Word Learning in Children with Developmental Communication Disorders* (NIH). PI: S. Gray (Arizona State University). Total Requested: \$2,992,617 (Subcontract: \$718,471) (5 years). Submitted 6/5/09.
48. Co-Investigator/Subcontract Principal Investigator. *Heading Off Peripheral Neuropathy with Exercise (HOPE Trial)* (NIH). PI: C. Visovsky (University of Nebraska Medical Center). Total Subcontract Requested: \$12,049 (2 years). Re-Submitted 3/16/09.
49. Co-Investigator (Statistician). *Differential Psychosocial Predictors of Brief College Drinking Interventions* (NIH-NIAAA). PI: D. McChargue. Total requested: \$1,255,932 (5 years). Submitted: 10/2/09.
50. Consultant (not named). *Impact on Children and Parents after Implementation of an Outdoor Classroom at a Title I Elementary School* (Active Living Research: Robert Wood Johnson Foundation). PI: S. Churchill. Total Requested: \$364,108. Submitted 4/28/09.
51. Principal Investigator. *Extending Structural Equation Models Beyond Two Hierarchically Nested Levels* (NIH). Total requested: \$1,007,179 (4 years). Submitted 11/28/08.
52. Research Methodologist. *A Multi-Systemic Intervention to Promote the Academic Motivation and Achievement of High School Students At-Risk* (USDOE/IES). PI: M. Scheel. Total direct: \$1,549,084 (4 years). Re-submitted 10/2/08.

53. Co-Principal Investigator. *Developmental Screening Instrument (DSI)* (Commonwealth Fund). PI: T. Tonniges. Total Requested: \$899,215 (3 years). Submitted 3/28/08.
54. Co-Investigator. *Preparandose: Promoting School Readiness in Preschool ELL Children* (NIH). PI: S. Sheridan. Total Requested: \$3,644,492 (5 years). Submitted 3/26/08.
55. Principal Investigator. *Improving the Transition to Kindergarten: Evaluating an Intervention and Addressing Methodological Problems in Doing So* (NIH LRP). Total direct: \$36,369 (2 years). Submitted 12/3/07.
56. Statistical Advisor. *Investigation of Differential Outcomes in Implementing either a Standard Protocol or Individualized RTI Service Delivery Approach for Students with Reading Difficulties* (USDOE/IES). PI: T. Glover. Total direct: \$2,786,680 (5 years). Re-submitted 11/1/07.
57. Co-Investigator (Statistician). *Development of a Pre-School Three-tiered Model in Early Intervention to Address Language and Literacy Needs of Children at Risk* (USDOE). Co-PIs: S. Sheridan & J. Carta. Knoche. Total direct & indirect: \$1,499,576 (3 years). Re-submitted 7/25/07.
58. Co-Investigator/Statistician. *It Takes a Village: A Secondary Analysis of Head Start Data* (ACF/DHHS). PI: J. McClain. Total direct: \$100,000 (2 years). Submitted 6/25/07.
59. Key Personnel/Core Director. *Developing Center of Partnerships for Children's Mental Health* (NIH). PI: S. Sheridan. Total direct & indirect: \$4,998,237 (5 years). Submitted 5/31/07.
60. Principal Investigator. *Establishing Markov Models as Viable Tools for Education and Intervention Research* (USDOE/IES). Total direct: \$342, 512 (3 years). Submitted 4/2/07.
61. Principal Investigator. *Investigating Longitudinal Growth Model Alternatives for Randomized Trials with Recurrent Event Outcomes* (USDOE/IES). Total direct: \$342, 512 (3 years). Submitted 4/2/07.
62. Quantitative Methodologist. *Bullying Among Students Who Are English Language Learners* (NIH). Co-PIs: S. Swearer & O. Yakushko. Total direct: \$394,088 (1 year). Submitted 2/15/06.
63. Quantitative Methodology Advisor. *Increasing Zambia's Research Capacity with Children and Families with HIV-AIDS* (NIH). PI: C. Pope Edwards. Total direct: \$2,184,374 (5 years). Submitted 12/12/06.
64. Research Methodologist. *A Multi-Systemic Intervention to Promote the Academic Motivation and Achievement of High School Students At-Risk* (USDOE/IES). PI: M. Scheel. Total direct: \$1,549,084 (4 years). Re-submitted 11/10/06.
65. Professional Staff (Statistician). *Infant/Toddler Literacy Assessment (ITLA) Instrument Development and Validity Study* (USDOE/IES). PI: Barbara Jackson, Co-PI: Christine Marvin. Total direct: \$554,821 (4 years). Submitted: 7/24/06.
66. Research Methodologist. *Omaha Project for Access and Literacy in Science: Developing Improved High School Science Education for First and Second Language Learners (OPALS)* (USDOE/IES).

PI: E. Hamann. Total direct: \$1,982,135 (5 years). Submitted 11/15/06.

67. Consultant. *Nebraska Center for Translational Research in Early Childhood (NECTREC)* (DHHS-NIH). PIs: S. Sheridan & K. Espy. Total direct: \$11,350,520 (5 years). Submitted 10/23/06.
68. Consultant (not named). *Prenatal Tobacco Exposure & Toddlers* (March of Dimes). PI: S. Wiebe. Total direct: \$334,893 (3 years). Submitted 9/19/06.
69. Consultant (not named). *Infrastructure Investigation for Coordinated School-Based Mental Health Research* (Robert Wood Johnson Foundation). PI: S. Swearer. Total direct: \$296,038 (3 years). Submitted 9/15/06.
70. Consultant. *Early Indicators of Speech Impairment* (NIH). PI: C Cress. Total direct: \$1,808,098 (5 years). Submitted 6/1/06.
71. Consultant. *Kirschstein–NRSA Individual Fellowship Application: Modeling Emotion Dysregulation in Anxiety Disorders* (NIH). PI: N. Miller, Sponsor, D. Hope. Total direct: \$62,558. Re-submitted: 5/30/06.
72. Consultant (not named). *Infrastructure Investigation for Coordinated School-Based Mental Health Research* (NIH). PIs: S. Sheridan & T. Glover. Total direct: \$2,437,203 (5 years). Submitted 1/31/06.
73. Methodological Consultant (Statistician). *Center for Ecological Studies of Early Language and Literacy* (USDOE). PI: S. Sheridan, Co-PIs: H. Raikes, C.P. Edwards, J. Torquati. Total direct: \$8,629,975 (5 years). Submitted: 11/9/05.
74. Methodological Consultant (Statistician). *An Experimental Investigation of the Efficacy of Intervention Models on Children’s Reading Performance in a Response-to-Intervention Model* (USDOE/IES). PI: E. Daly, Co-PIs: B.K. Martens, D. Barnett, T. Glover. Total direct: \$3,183,260 (4 years). Submitted: 8/10/05.

## Presentations

### Papers Presented at Professional Meetings

1. Wang, Y., Xia, Y.R., & **Bovaird, J.A.** (2023, November). *Family Shared Technology Environment and Global Competence in Parent-Adolescent Dyads: Evidence From 11 Countries*. Paper submitted to National Council on Family Relations Annual Conference, Orlando, FL.
2. Wick, K., **Bovaird, J.A.**, Alcaraz-Bigelow, J., & Clark, C.A.C (2023, August). *Embracing connection: A mechanism to elevate self-efficacy among traditionally marginalized students*. Paper to be presented at the annual meeting of the American Psychological Association Conference, Washington, DC.
3. Babik, I., Cunha, A. B., Hsu, L.-Y., Harbourne, R. T., Dusing, S. C., Koziol, N. A., Westcott-McCoy, S. W., Willett, S. L., **Bovaird, J. A.**, & Lobo, M. A. (2023, March). *Children’s mastery motivation is associated with their developmental trajectories*. Poster presented at the Biennial



Meeting of the Society for Research in Child Development, Salt Lake City, UT.

4. Cunha, A. B., Babik, I., Harbourne, R. T., Dusing, S. C., Hsu, L.-Y., Koziol, N. A., Westcott-McCoy, S. W., Willett, S. L., **Bovaird, J. A.**, & Lobo, M. A. (2023, March). *Executive function in motor delays*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Salt Lake City, UT.
5. Cunha, A. B., Babik, I., Harbourne, R. T., Dusing, S. C., Westcott-McCoy, S. W., Willett, S., Hsu, L.-Y., Koziol, N., **Bovaird, J.**, & Lobo, M. A. (2023, February). *Executive function outcomes in relation to cognitive, language, and motor skills in children with motor delays*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA.
6. Hsu, L.-Y., Dusing, S. C., Lobo, M. A., McCoy, S. W., Koziol, N. A., Willett, S., Cunha, A. B., **Bovaird, J. A.**, & Harbourne, R. T. (2023, February). *Longer-term effect of START-Play intervention in infants with neuromotor disorders: A multisite randomized clinical trial*. Platform presentation at the Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA.
7. Jancart, K., Babik, I., Cunha, A. B., Koziol, N., Choi, D., Harbourne, R., Lobo, M., McCoy, S. W., Willett, S., Dusing, S., & **Bovaird, J.** (2022, September). *Early versus late reaching mastery's effect on object permanence in infants with motor delays receiving START-Play and Usual Care-Early Intervention*. Paper presented at the American Academy of Cerebral Palsy and Developmental Medicine annual meeting, Las Vegas, NV.
8. **Bovaird, J.A.** (2022, August). *Validity evidence through process data: Construct representation and nomothetic span*. Paper presented at the annual meeting of the American Psychological Association Conference, Minneapolis, MN.
9. Camp, E. E., Edwards, K. M., Waterman, E. A., Banyard, V. L., **Bovaird, J. A.** (2022, August). *Bystander intentions of high school students: Exploring latent profile patterns and targetable correlates*. Poster presented at the annual meeting of the American Psychological Association Conference, Minneapolis, MN.
10. Koziol, N., Choi, D.-H., Harbourne, R., Lobo, M.A., Dusing, S., Willett, S. L., **Bovaird, J.A.**, & Hsu, L.-Y. (2022, August). *Evaluation of nonequivalent groups equating methods for use in intervention research*. Poster presented at the annual meeting of the American Psychological Association Conference, Minneapolis, MN.
11. Babik, I., Cunha, A. B., Choi, D., Koziol, N., Harbourne, R. T., Dusing, S. C., McCoy, S. W., **Bovaird, J.**, Willett, S., & Lobo, M. A. (2022, July). *The role of affordances in the home environment in children's motor, cognitive, and language development*. Poster presented at the annual meeting of the International Congress for Infant Studies, Ottawa, Canada.
12. Kretch, K. S., Soliman, M., Wazana, S. J., Henigan, A., Garcia, B., Marciniowski, E. C., Hsu, L.-Y., **Bovaird, J. A.**, Harbourne, R. T., Koziol, N. A., Lobo, M. A., McCoy, S. W., & Dusing, S. C. (2022, July). *Prerequisites to joint attention: Role of sitting status, sitting skill, and motor delay*. Paper presented at the annual meeting of the International Congress for Infant Studies, Ottawa, Canada.

13. Molinini, R. M., Stuyvenberg, C., Harbourne, R. T., Lobo, M. A., Koziol, N. A., McCoy, S. W., **Bovaird, J.**, & Dusing, S. C. (2022, July). *The impact of learning to walk on emotional availability in children with and without motor delay*. Paper presented at the annual meeting of the International Congress for Infant Studies, Ottawa, Canada.
14. **Koziol, N. A.**, Butera, C. D., Kretch, K. S., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Hsu, L.-Y., Willett, S. L., Kane, A. E., **Bovaird, J. A.**, & Dusing, S. C. (2022, April). *Caregiver-provided learning opportunities boost intervention effects for infants with neuromotor delays*. Ignite session presentation at the CYFS Summit on Research in Early Childhood, Lincoln, NE.
15. Lee, S., **Bovaird, J.A.**, & Suh, H. (2022, April). *Relationships between students' college major interests and ACT score*. Paper presented at the NCME Annual Meeting, San Diego, CA.
16. Molinini, R., Inamdar, K., Evans, M., Bowler, K., Griffin, R., Simmons, R. M., Harbourne, R. T., Lobo, M. A., Koziol, N. A., McCoy, S. W., **Bovaird, J. A.**, & Dusing, S. C. (2022, February). *Feasibility and validation of a problem-solving measure for young children with motor delays*. Poster presentation at the Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX.
17. Molinini, R. M., Inamdar, K., Harbourne, R. T., Lobo, M. A., Koziol, N. A., McCoy, S. W., **Bovaird, J.**, & Dusing, S. C. (2022, February). *Different toys elicit different problem-solving skills in children with mild or significant motor delays*. Platform presentation at the Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX.
18. Marcinowski, E., Hsu, L.-Y., Molinini, R., Dusing, S., McCoy, S. W., Harbourne, R., Koziol, N., **Bovaird, J.**, & START-Play Consortium. (2021, December). *How do sitting and object exploration impact language in infants with typical or delayed motor development?* Presentation given at the Asia-Pacific Babylab Constellation (ABC) Conference. Virtual.
19. Kretch, K., Marcinowski, E., Kane, A., **Bovaird, J.**, Harbourne, R., Hsu, L.-Y., Koziol, N., Lobo, M., McCoy, S., & Dusing, S. (2021, October). *Posture and caregiver-provided learning opportunities in typically developing infants and infants with motor delay*. Poster presented at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
20. Babik, I., Cunha, A. B., Choi, D.-H., Koziol, N., Harbourne, R. T., Dusing, S. C., McCoy, S. W., **Bovaird, J.**, & Lobo, M. A. (2021, September). *The effect of the START-Play intervention on the development of reaching skills in children with mild vs. significant motor delays*. Poster presented at the international meeting on Early Detection and Early Intervention in Neurodevelopmental Disorders. Virtual.
21. Cunha, A. B., Babik, I., Choi, D.-H., Koziol, N., Harbourne, R. T., Dusing, S. C., McCoy, S. W., **Bovaird, J.**, & Lobo, M. A. (2021, September). *Effects of the START-Play Intervention on Performance of Means-End Problem Solving in Children with Mild vs. Significant Motor Delays*. Presentation given at the Fifth Assembly of the International Motor Development Research Consortium. Virtual.
22. Jancart, K.L., Dusing, S.C., Lobo, M.A., McCoy, S.W., Koziol, N.A., Hsu, L.Y., **Bovaird, J.A.**, An,

- M., Delprince, A., Tommer, M., Spirnak, J., Boe, C., & Harbourne, R. (2021, August). Long-Term Object Permanence and Sitting in Infants with Motor Delays. Poster presented at the American Psychological Association annual meeting, Virtual.
23. Cunha, A. B., Babik, I., Choi, D.-H., Koziol, N., Harbourne, R., Dusing, S., McCoy, S., **Bovaird, J.**, & Lobo, M. (2021, April). *Performance after mastery of means-end problem solving differs in children with mild versus significant motor delays*. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual.
24. Babik, I., Cunha, A. B., Choi, D.-H., Koziol, N., Harbourne, R., Dusing, S. C., McCoy, S. W., **Bovaird, J.**, & Lobo, M. A. (2021, February). *START-Play intervention advanced reaching outcomes in children with significant but not mild motor delay*. Oral presentation presented at the Combined Sections Meeting of the American Physical Therapy Association, Virtual.
25. Cunha, A. B., Babik, I., Koziol, N. A., Hsu, L.-Y., Nord, J., Harbourne, R. T., McCoy, S. W., Dusing, S. C., **Bovaird, J. A.**, & Lobo, M. A. (2020, September). *Sensitivity of the Means-End Problem Solving Assessment Tool (MEPSAT) for discriminating among infants with varying levels of motor delay*. Poster presented at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
26. Inamdar, K., Molinini, R., Kane, A., Hsu, L.-Y., Koziol, N., Harbourne, R., McCoy, S. W., Lobo, M., **Bovaird, J.**, & Dusing, S. (2020, September). *Relationship between mobility and problem solving skills in young children with heterogeneous motor abilities*. Oral presentation at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
27. Jancart, K., Harbourne, R., Dusing, S., Lobo, M., Koziol, N., **Bovaird, J.**, McCoy, S. W., Hsu, L.-Y., Cunha, A. B., & An, M. (2020, September). *Long term change in object permanence in infants with motor delays: Group and individual differences in START-Play and usual Early Intervention*. Oral presentation at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
28. Kane, A., Koziol, N., Hsu, L.-Y., Inamdar, K., Molinini, R., Harbourne, R., Lobo, M., McCoy, S. W., **Bovaird, J.**, & Dusing, S. (2020, September). *Relationship between mobility and parent-provided cognitive opportunities in young children with heterogeneous motor abilities*. Oral presentation at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
29. Molinini, R., Koziol, N., Tripathi, T., Inamdar, K., Harbourne, R., Lobo, M., McCoy, S. W., **Bovaird, J.**, & Dusing, S. (2020, September). *Measuring early problem solving skills in young children with motor impairment: A validation study*. Oral presentation at the American Academy of Cerebral Palsy and Developmental Medicine, Virtual.
30. Cunha, A. B., Babik, I., Koziol, N., Hsu, L.-Y., Nord, J., Lobo, M., & **START-Play Consortium** (2020, July). *A novel means-end problem solving assessment tool (MEPSAT): Evaluation of validity and reliability*. Poster presented at the International Congress of Infant Studies, Virtual.
31. An, M., Harbourne, R. T., Dusing, S. C., Kane, A., Nord, J., Koziol, N. A., McCoy, S. W., Lobo, M. A., & **Bovaird, J. A.** (2020, February). *Implementation of a multi-dimensional fidelity measure in the START-Play clinical trial*. Platform presentation at the American Physical Therapy Association Combined Section Meeting, Denver, CO.

32. Dusing, S. C., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Hsu, L.-Y., **Bovaird, J. A.**, & Koziol, N. A. (2020, February). *Efficacy of the START-Play intervention compared to usual care in children with cerebral palsy*. Platform presentation at the American Physical Therapy Association Combined Section Meeting, Denver, CO.
33. Khurana, S., Kane, A., Marcinowski, E., Harbourne, R. T., Lobo, M. A., McCoy, S. W., **Bovaird, J. A.**, Koziol, N. A., & Dusing, S. C. (2020, February). *Changes in parent child interaction following START-Play intervention*. Platform presentation at the American Physical Therapy Association Combined Section Meeting, Denver, CO.
34. Molinini, R., Inamdar, K., Russell, D., Harbourne, R., McCoy, S., Koziol, N., **Bovaird, J.A.**, & Dusing, S. (2020, February). *Developing a sensitive model measuring change in problem-solving skills in infants with motor delays*. Platform presentation at the American Physical Therapy Association Combined Section Meeting, Denver, CO.
35. Molinini, R., Inamdar, K., Russell, D., Harbourne, R., McCoy, S., Koziol, N., **Bovaird, J.A.**, & Dusing, S. (2020, February). *Validation of a measure of change in problem-solving skills in infants with motor delays*. Poster presented at the American Physical Therapy Association Combined Section Meeting, Denver, CO.
36. Krehbiel, M., Miramonti, A.A., **Bovaird, J.A.**, Dunker, T., & Franzen-Castle, L. (2019, November). *A program evaluation of an afterschool nutrition, cooking, and physical activity program: WeCook: Food with fun and fitness*. Paper presented at the 2019 National Association for Extension 4-H Agents Annual Conference, White Sulphur Springs, WV.
37. Marcinowski, E., Hsu, L.-Y., Dusing, S., **Bovaird, J.A.**, Harbourne, R., Lobo, M., McCoy, S., Koziol, N., & START-Play Consortium. (2019, November). *Sit long, talk much. The relation between language and independent sitting ability for infants with motor delays*. Paper presented at the Workshop on Early Language in Neurodevelopmental Disorders (NeuroD-WELL), Lisbon, Portugal.
38. Cunha, A. B, Babik, I., Koziol, N. A., Nord, J., Hsu, L.-Y., Harbourne, R. T., **Bovaird, J. A.**, Dusing, S. C., McCoy, S. W., & Lobo, M. A. (2019, September). *Feasibility, validity, and reliability of a novel Means-End Problem Solving Assessment Tool (MEPSAT)*. Poster presented at the Combined American Academy for Cerebral Palsy and Developmental Medicine (AACPD) 73rd Annual and International Alliance of Academies of Childhood Disability (IAACD) 2nd Triannual Meeting, Anaheim, CA.
39. Harbourne, R., Dusing, S. C., Lobo, M., McCoy, S. W., Koziol, N. A., Hsu, L.-Y., Willett, S., Marcinowski, E. C., Babik, I., Cunha, A. B., An, M., Chang, H.-J., **Bovaird, J. A.**, & Sheridan, S. (2019, September). *Efficacy of the START-Play program for infants with neuromotor disorders: Cognitive outcomes*. Paper presented at the Combined American Academy for Cerebral Palsy and Developmental Medicine (AACPD) 73rd Annual and International Alliance of Academies of Childhood Disability (IAACD) 2nd Triannual Meeting, Anaheim, CA.  
**[2019 Gayle G. Arnold Award for Best Scientific Paper]**
40. Lobo, M., Harbourne, R. T., Dusing, S. C., McCoy, S. W., Cunha, A. B., Babik, I., Hsu, L.-Y., Koziol, N. A., **Bovaird, J. A.**, Marcinowski, E. C., Chang, H.-J., An, M., Sheridan, S., & Willett, S.

(2019, September). *Efficacy of the START-Play program for infants with neuromotor disorders: Motor outcomes*. Paper presented at the Combined American Academy for Cerebral Palsy and Developmental Medicine (AACPDM) 73rd Annual and International Alliance of Academies of Childhood Disability (IAACD) 2nd Triannual Meeting, Anaheim, CA.

41. Molinini, R., Inamdar, K., Marcinowski, E., Dusing, S., Koziol, N., Lobo, M. A., Harbourne, R. T., McCoy, S. W., & **Bovaird, J. A.** (2019, September). *Measuring early problem-solving in children with motor impairments: Evaluating responsiveness over time using a modification of the Early Problem Solving Indicator*. Paper presented at the Combined American Academy for Cerebral Palsy and Developmental Medicine (AACPDM) 73rd Annual and International Alliance of Academies of Childhood Disability (IAACD) 2nd Triannual Meeting, Anaheim, CA.
42. Bass, H. P., Gomes, R., Racine, B., **Bovaird, J. A.**, Sheridan, S. M., & Gormley, M. J. (2019, August). *Conjoint behavioral consultation: Who benefits most?* Poster presented at the annual meeting of the American Psychological Association Conference, Chicago, IL.  
**[APA Division 16 Poster Award Winner]**
43. Miramonti, A.A., **Bovaird, J.A.**, Franzen-Castle, L., & Krehbiel, M. (2019, July). *Measurement invariance of a latent model of child physical activity based on child and parent surveys and wearable physical activity tracker data*. Poster presented at the 2019 National Strength & Conditioning Association National Conference, Washington, DC.
44. Miramonti, A.A., **Bovaird, J.A.**, Dunker, T., Franzen-Castle, L., & Krehbiel, M. (2019, June). *Changes in self-reported healthy eating behavior frequency and nutrition knowledge among youth participating in the WeCook program*. Poster presented at the Nutrition 2019 Conference of the American Society of Nutrition, Baltimore, MD.
45. Miramonti, A.A., **Bovaird, J.A.**, Franzen-Castle, L., & Krehbiel, M. (2019, May). *Unidimensionality and internal consistency reliability of step counts and floors climbed in 4th-5th grade students*. Poster presented at the 2019 American College of Sports Medicine Annual Meeting, Orlando, FL.
46. Kabirikopaei, A., Kuhlengel, M., Arthur, A., **Bovaird, J.A.**, Lau, J., Waters, C., & Wang, L.M. (2019, April). *The Effects of Indoor Environmental Factors on Students' Academic Achievement*. Paper presented at the 2019 ASCE AEI Conference, Tysons, VA.
47. Miramonti, A.A., Krehbiel, M., **Bovaird, J.A.**, Dunker, T., & Franzen-Castle, L. (2019, April). *A program evaluation of an afterschool nutrition, cooking, and physical activity program: WeCook: Food with fun and fitness*. Poster presented at the 2019 Nebraska Healthy Kids Summit Research Fair, Lincoln, NE.
48. Smith, K.H., Arthur, A., **Bovaird, J.**, & Wang, L.M. (2018, November). *Effects of measured acoustic and other indoor environment factors on student achievement in K-12 classrooms*. Paper presented at the Acoustical Society of America Fall Meeting, Vancouver, BC, Canada.
49. Dusing, S.C., Harbourne, R., Lobo, M.A., Westcott-McCoy, S., & **Bovaird, J.A.** (2018, October). *Improvements in Motor and Cognitive Development Following Sitting Together And Reaching To Play (START-Play): Single Subject Multiple Baseline Study of Two Children*. Free paper

presentation at the annual meeting of the America Academy for Cerebral Palsy and Developmental Medicine. Cincinnati, OH.

50. Miramonti, A.A., Jenkins, N.D.M, Hill, E.C., Smith, C.M., Housh, T.J., & **Bovaird, J.A.** (2018, July). *Electromyographic and Mechanomyographic Amplitude Response Patterns during Isometric vs. Concentric Dynamic Constant External Resistance Leg Extension Muscle Actions*. Paper presented at the 2018 National Strength & Conditioning Association National Conference. Indianapolis, IN.
51. Murphy, C.A., Takahashi, S., **Bovaird, J.A.**, Fischer, J.A., Černjul, M., Cooney, D., & Koehler, K. (2018, June). *Relationship between Body Composition and Health Behaviors in High and Low Fit College Women*. Paper presented at the Annual Meeting of the American College of Sports Medicine. Minneapolis, MN
52. Arthur, A.M., & **Bovaird, J.A.** (2018, April). *Enhancing ability estimation with test-taking behavior*. Paper presented at the annual meeting of the American Educational Research Association. New York, NY.
53. Nord, J., **Bovaird, J.A.**, & Fritz, M.S. (2018, April). *Latent interaction modeling with planned missing data designs*. Paper presented at the annual meeting of the American Educational Research Association. New York, NY.
54. Tripathi, T., Syed, G., Marcinowski, E., Hsu, L.Y., Koziol, N., Dusing, S.C., & START-Play Consortium<sup>3</sup> (2018, February). *Sitting Abilities Predict Early Problem Solving Skills in Infants with Motor Delays*. Platform presentation at the America Physical Therapy Association Combined Section Meeting. New Orleans, LA.
55. Arthur, A.M., Koziol, N., Hawley, L., Howell Smith, M.C., Stevens, J., & **Bovaird, J.A.** (2017, August). *The impact of negative valence on responses and response times*. Poster presented at the annual meeting of the American Psychological Association. Washington, D.C.
56. Tripathi, T., Hsu, L.Y., Koziol, N., Syed, G., Dusing, S.C., & START-Play Consortium<sup>3</sup> (2017, September). *Concurrent validity of the Bayley cognitive subtest and early problem solving indicator in infants with neuromotor impairments*. Poster Presented at the annual meeting of the America Academy for Cerebral Palsy and Developmental Medicine. Montreal, Canada.
57. Brill, L.C., Wang, L.M., Lester, H., & **Bovaird, J.A.** (2017, June). *Relations between acoustic quality and student achievement in K-12 classrooms*. Paper presented at the 173<sup>rd</sup> Meeting of the Acoustical Society of America. Boston, MA.
58. Kuhlenengel, M., Brill, L., Deng, S., Lester, H. F., **Bovaird, J. A.**, Lau, J., Wang, L., & Waters C. (2017, April). *An investigation of school environmental effects on student achievement*. Paper presented at the 2017 AEI Conference. Oklahoma City, OK.
59. Harbourne, R., Dusing, S.C., Chang, I., Lobo, M., McCoy, S.W., **Bovaird, J.**, Sheridan, S., Koziol, N., Marcinowski, E., Hsu, L., Babik, I., & Cuhna, A.B. (2016, December). *Intervention fidelity in the randomized controlled trial "Efficacy of the START-Play Program for Infants with Neuromotor*

*Disorders*. Poster presented at the Institute for Education Science Research Conference. Washington, DC.

60. Lee, J., Brill, L. C., Wang, L. M., Lester, H. F., & **Bovaird, J. A.** (2016, December). *Statistically defining the construct of 'acoustic quality' in K-12 classrooms*. 5th Joint Meeting of the Acoustical Society of America and Acoustical Society of Japan; Honolulu, HI.
61. Lau, J., Deng, S., Lester, H. F., **Bovaird, J. A.**, Wang, L., & Waters C. (2016, September). *Do the Students in High Performance Incentive (HPI) Schools Demonstrate More Academic Improvement Than Their Peers in Non-HPI Schools?* IAQ 2016; Alexandria, VA.
62. Smith, W.Z. & **Bovaird, J.A.** (2016, April). *The impact of measurement scale on trends of development*. Paper presented at the annual meeting of the American Educational Research Association. Washington, DC.
63. Wang, L.M., Lau, J., Waters, C., & **Bovaird, J.** (2015, November). *Evidence-based interactions between indoor environmental factors and their effects on K-12 student achievement*. Paper presented at the 2015 Research Summit on Childhood Healthy and School Buildings. Washington DC.
64. Arthur, A.M., & **Bovaird, J.A.** (2015, August). *A Comparison of GEE and Multilevel Models with Small Samples and Non-Normality*. Paper presented at the American Psychological Association annual meeting. Toronto, Ontario, Canada.
65. Bash, K.L., & **Bovaird, J.A.** (2015, August). *Evaluating Count Outcomes in Small Sample Designs with Multilevel Modeling*. Paper presented at the American Psychological Association annual meeting. Toronto, Ontario, Canada.
66. Koziol, N. A., & **Bovaird, J. A.** (2015, April). *A comparison of population-averaged and cluster-specific approaches in the context of unequal probabilities of selection*. Paper presented at the American Educational Research Association annual meeting. Chicago, IL.
67. Knoche, L., Cline, K. D., Sheridan, S., Edwards, C., Hawley, L., **Bovaird, J.A.** (2014, October). *Promoting connections across home and school: Investigating the preliminary efficacy of the Getting Ready intervention for children with identified concerns*. Presentation at the University of Nebraska-Lincoln College of Education and Human Sciences Research Showcase. Lincoln, NE.
68. Knoche, L., Cline, K. D., Sheridan, S., Edwards, C., Hawley, L., **Bovaird, J.A.** (2014, July). *Promoting connections across home and school: Investigating the preliminary efficacy of the Getting Ready intervention for children with identified concerns*. Paper presented at the 12th National Research Conference on Early Childhood, Head Start, ACF. Washington, DC.
69. Hawley, L. R., Wu, C., & **Bovaird, J. A.** (2014, April). *Stability of teacher value-added rankings across measurement model assumptions and educational contexts*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

70. Glover, T., Ihlo, T., Martin, S., Howell Smith, M., & **Bovaird, J.A.** (2014, February). *Evaluating professional development with distance coaching for early reading RTI*. Paper presented at the National Association of School Psychologists Annual Conference. Washington, DC.
71. Shaw, L.H., & **Bovaird, J.A.** (2013, August). *Comparing Two Approaches for Estimating a Multivariate Latent Variable Value-Added Assessment Model*. Paper presented at the American Psychological Association annual meeting. Honolulu, HI.
72. Timberlake, E, & **Bovaird, J.A.** (2013, August). *Rurality as a Moderator: An Ecological Model of Macro- and Micro- Level Predictors of School Readiness*. Paper presented at the American Psychological Association annual meeting. Honolulu, HI.
73. **Bovaird, J.A.**, & LARRC (2013, April). *The Dimensionality of Language Ability in Young Children*. Paper presented at the Society for Research on Child Development annual meeting. Seattle, WA.
74. Shaw, L.H., & **Bovaird, J.A.** (2013, April). *Evaluating the Impact of Different Persistence and Measurement Model Assumptions on Value-Added Teacher Estimates*. Paper presented at the American Educational Research Association annual meeting. San Francisco, CA.
75. **Bovaird, J.A.** (2013, April). *The Future of Rural School Research and Development: Methodological Innovations for the Next Generation*. Invited presentation given at the Connect-Inform-Advance Conference. Omaha, NE.
76. Davidson, M. M., Nitzel, C., Duke, A., Baker, C. M., & **Bovaird, J.** (2012, August). *Advancing career counseling and employment support for survivors: An intervention evaluation*. Paper presented at the American Psychological Association annual meeting. Orlando, FL.
77. Lester, H., Wu, C., & **Bovaird, J.A.** (2012, July). *Evaluating Contextual Effects in Multilevel SEM: The Effects of Non-invariant Measurement at the Macro and Micro Levels with Small Sample Sizes*. Paper presented at the International Meeting of the Psychometric Society. Lincoln, NE.
78. Shaw, L.H., & **Bovaird, J.A.** (2012, July). *Incorporating latent variable outcomes in value-added assessment: An evaluation of univariate and multivariate measurement model structures*. Paper presented at the International Meeting of the Psychometric Society. Lincoln, NE.
79. Lester, H., **Bovaird, J.A.**, & Wu, C. (2012, April). *Two Approaches to Estimate Multilevel Confirmatory Factor Analysis Models with Small Macro Level Sample Sizes*. Paper presented at the American Educational Research Association annual meeting. Vancouver, British Columbia, Canada.
80. Shaw, L.H., **Bovaird, J.A.**, & Wu, C. (2012, April). *Incorporating Latent Variable Outcomes in Value-Added Assessment*. Paper presented at the American Educational Research Association annual meeting. Vancouver, British Columbia, Canada.
81. **Bovaird, J.A.**, Koziol, N.A., & Chumney, F. (2011, October). *An Ecological Model of School Readiness: A Methodological Investigation into the Role of Rurality*. Paper presented at the Building Solutions to Poverty: Methods and Metrics for Identifying Success Conference. Columbus, OH.



82. Sheridan, S. M., Glover, T. A., Nugent, G., Kunz, G. M., & **Bovaird, J.A.** (2011, October). *Advances of the National Center for Research on Rural Education (R<sup>2</sup>Ed)*. Invited presentation, National Rural Education Association Convention and Research Symposium, Hilton Head Island, SC.
83. Chumney, F., & **Bovaird, J.A.** (2011, August). *The Impact of Number of Likert Alternatives: The Role of Response Variability on Composite Score Psychometrics*. Paper presented at the American Psychological Association annual meeting. Washington, DC.
84. Story, J.S.P., Barbuto, J.E., Luthans, F., & **Bovaird, J.A.** (2011, August). *Antecedents of global mindset: Personal, psychological, and role complexity*. Paper presented at the Academy of Management annual meeting. San Antonio, TX.
85. Story, J.S.P., Youssef, C., Barbuto, J.E., Luthans, F., & **Bovaird, J.A.** (2011, August). *The contagion effect of global leaders' positive psychological capital on followers*. Paper presented at the Academy of Management annual meeting. San Antonio, TX.
86. Koziol, N.A., & **Bovaird, J.A.** (2011, May). *Comparing the Bias of Two Dyadic Indexes Under Conditions of Ordinality*. Paper presented at the Association for Psychological Science annual meeting. Washington, DC.
87. Nugent, G., Pedersen, J., Welch, G., & **Bovaird, J.** (2011, April). *Development and validation of an instrument to measure teacher knowledge of inquiry*. Paper presented at 2011 International Conference of the National Association of Research in Science Teaching, Orlando, FL.
88. Shaw, L.H., & **Bovaird, J.A.** (2011, April). *The Impact of Latent Variable Outcomes on Value-Added Models of Intervention Efficacy*. Paper presented at the American Educational Research Association annual meeting. New Orleans, LA.
89. Welch, G.A., **Bovaird, J.A.**, Kupzyk, K.A., & Koziol, N.A. (2011, March). *Missing Data in Cluster Randomized Trials: Imputations and Auxiliary Variables*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Montreal, Canada.
90. Sheridan, S.M., **Bovaird, J.A.**, Garbacz, S.A., Coutts, M.J., & Holmes, S. (2011, February). *Results from a randomized trial investigating conjoint behavioral consultation: Direct observations of students*. Paper presented at the annual meeting of the National Association of School Psychologists, San Francisco, CA.
91. Sheridan, S., Glover, T., Kunz, G., & **Bovaird, J.A.** (2010, October). *National Center for Research on Rural Education: Research Directions and Outreach*. Paper presented at the National Rural Education Association Annual Convention and Research Symposium. Branson, MO.
92. **Bovaird, J.A.** (2010, September). *On Modeling the Family-School Ecosystem: Methodological and Statistical Issues for General Consideration*. Invited presentation given at the Interdisciplinary Alliance for Partnerships Research (IAPR) Family-School Partnerships Working Meeting. Omaha, NE.

93. **Bovaird, J.A.** (2010, August). *Exploring Sequential Design of Cluster Randomized Trials*. Paper presented at the American Psychological Association annual meeting. San Diego, CA.
94. Glover, T.G., **Bovaird, J.A.**, Koziol, N.A., & Glenn, B. (2010, August). *School Psychology Intervention Research: Methodological Considerations with Implications for Practice*. Paper presented at the American Psychological Association annual meeting. San Diego, CA.
95. Koziol, N.A., & **Bovaird, J.A.** (2010, August). *Measurement Invariance with Censored Likert Scale Data: A Methodological Comparison*. Paper presented at the American Psychological Association annual meeting. San Diego, CA.
96. Shaw, L.H., & **Bovaird, J.A.** (2010, August). *Extending Multilevel Structural Equation Modeling Beyond Two Levels*. Paper presented at the American Psychological Association annual meeting. San Diego, CA.
97. Wu, C., Gaskill, T., Haines, C., & **Bovaird, J.A.** (2010, August). *Monte Carlo Simulation of Mediation Processes in Parallel Process LGM*. Paper presented at the American Psychological Association annual meeting. San Diego, CA.
98. Hogan, T.P., Catts, H.W., & **Bovaird, J.A.** (2010, July). *Orthographic Restructuring in Children with SLI*. Paper presented at the Society for the Scientific Studies of Reading Conference. Berlin, Germany.
99. Glover, T.A., Ihlo, T., Parisi, D.M., Hofstadter, K.L., Nugent, G.C., Welch, G.W., **Bovaird, J.A.**, Kupzyk, S.S., Trainin, G., & Shapiro, E.S. (2010, June). *Rural Teachers' Professional Development, Instructional Knowledge, and Classroom Practice: Initial Findings from a National Survey*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
100. **Bovaird, J.A.**, Sheridan, S.M., Glover, T.G., Welch, G.G. (2010, June). *Efficacy of Conjoint Behavioral Consultation at Home and School: Testing Direct Effects on Observed Behaviors*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
101. Koziol, N., & **Bovaird, J.A.** (2010, April). *Evaluating Complementary Structural Models of Dynamic Change: Latent Differences versus Piecewise Growth*. Paper presented the American Educational Research Association annual meeting. Denver, CO.
102. Römheld, A., & **Bovaird, J.A.** (2010, April). *Recovery of Test Dimensionality in Multiple Choice Data when Guessing is Present*. Paper presented at the American Educational Research Association annual meeting. Denver, CO.
103. Shaw, L.H., & **Bovaird, J.A.** (2010, April). *Value-Added Models for Controlling Classroom Mobility and Teacher Turnover in Efficacy Trials*. Paper presented at the American Educational Research Association annual meeting. Denver, CO.
104. Sheridan, S.M., Glover, T.G., Nugent, G.C., Kunz, G.M., & **Bovaird, J.A.** (2010, March). *National Center for Research on Rural Education: Nebraska Directions and Perspectives*. Paper presented at the Nebraska Rural Community Schools Association (NRCSA) Spring Conference. Kearney, NE.

105. Sheridan, S. M., Glover, T. A., Kunz, G. M., **Bovaird, J. A.**, & Witte, A. L. (2009, October). *Creating rural connections: Translating and extending research-based partnership approaches for rural contexts*. Paper presented at the National Rural Education Association Annual Convention and Research Symposium, Cincinnati, OH.
106. Sheridan, S. M., Glover, T. A., Nugent, G. C., Kunz, G. M., & **Bovaird, J. A.** (2009, October). *National Center for Research on Rural Education: Pioneering new frontiers in rural education research*. Paper presented at the National Rural Education Association Annual Convention and Research Symposium, Cincinnati, OH.
107. **Bovaird, J.A.** (2009, August). *Complex Modeling with Small Samples*. Paper presented at the American Psychological Association annual meeting. Toronto, Canada.
108. Koziol, N., & **Bovaird, J.A.** (2009, August). *Using Experimental Designs to Evoke Construct Validity Evidence*. Paper presented at the American Psychological Association annual meeting. Toronto, Canada.
109. Shaw, L., & **Bovaird, J.A.** (2009, August). *Value-Added School Effect Models with the Early Childhood Longitudinal Study*. Paper presented at the American Psychological Association annual meeting. Toronto, Canada.
110. **Bovaird, J.A.**, Sheridan, S.M., Glover, T.A., & Garbacz, S.A. (2009, June). *Fixed vs. Sequential Experimental Designs: Implications for Cluster Randomized Trials in Education*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
111. Hogan, T., Catts, H., **Bovaird, J.A.**, McCarthy, J., & Weismer, E. (2009, June). *Reciprocal relation between word reading and nonword repetition in school-age children with specific language impairment*. Paper presented at the Symposium on Research in Child Language Disorders. Madison, WI.
112. Kwon, K., Sheridan, S.M., **Bovaird, J.A.**, & Glover, T.A. (2009, June). *Children Identified with Disabilities: Conjoint Behavioral Consultation Effects on Parent- and Teacher-Rated Child Behaviors*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
113. Sheridan, S.M., Glover, T.A., **Bovaird, J.A.**, Garbacz, S.A., & Kwon, K. (2009, June). *Conjoint Behavioral Consultation: Effects on Student Behaviors and Family-School Outcomes*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
114. **Bovaird, J.A.**, & Kupzyk, K.A. (2009, April). *Sampling error adjustments with finite geographical populations*. Paper presented at the American Educational Research Association annual meeting. San Diego, CA.
115. Haines, C., & **Bovaird, J.A.** (2009, April). *Using graphical techniques from discriminant analysis to understand and interpret cluster solutions*. Paper presented at the American Educational Research Association annual meeting. San Diego, CA.

116. **Bovaird, J.A.**, Sheridan, S.M., & Glover, T. (2009, April). *Observing Disruptive Student Behavior: A Multilevel Synthesis of Single-Case Frequency Outcomes in the Classroom and Home Settings*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
117. Burt, J.D., Sheridan, S.M., Kupzyk, K.A., **Bovaird, J.A.**, & Marvin, C. (2009, April). *The Effect of the Home Learning Environment on Child Emergent Literacy for Children of Low-Income Families*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
118. Clarke, B.L., Sheridan, S.M., **Bovaird, J.A.**, Kupzyk, K.A., Cline, K.D., & Knoche, L.L. (2009, April). *Measuring Important Parenting Behavior Constructs: Confirmatory Factor Analysis of the P/CIS*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
119. Clarke, B.L., Sheridan, S.M., Edwards, C.P., **Bovaird, J.A.**, & Kupzyk, K.A. (2009, April). *Adult Support and Parental Self-Efficacy: Moderating and Mediating Factors for Low-Income Parents of Young Children*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
120. Givens, J.E., Toland, M.D., Swearer, S., & **Bovaird, J.A.** (2009, April). *Evaluating the Children's Version of the Reading the Mind in the Eyes Test Using Item Response Theory*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
121. Sheridan, S.M., Knoche, L.L., Edwards, C.P., **Bovaird, J.A.**, & Kupzyk, K.A. (2009, April). *Getting Ready: Intervention Effects on the Social Competence of Low-Income Infants and Toddlers*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
122. Torquati, J.C., Raikes, H.H., Huddleston-Casas, C.A., & **Bovaird, J.A.** (2009, April). *Quality of Child Care for Low Income Children: Still Inequity*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.
123. **Bovaird, J.A.**, Chumney, F., & Wu, C. (2008, June). *On the Finite Population Correction in Multilevel Modeling: Implications for Nesting within Geographic Region*. Paper presented at the International Meeting of the Psychometric Society. Durham, NH.
124. **Bovaird, J.A.**, Sheridan, S.M., & Glover, T., Garbacz, S.A., & Toland, M.D. (2008, June). *Synthesizing single-case research: Comparing meta-analysis approaches for repeated behavioral observations on students clustered within classroom*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
125. Sheridan, S.M., Glover, T., & **Bovaird, J.A.** (2008, June). *Parent-teacher consultation and intervention integrity: Preliminary effects for students with disruptive behaviors*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
126. Sheridan, S.M., Knoche, L.L., Edwards, C.P., **Bovaird, J.A.**, Clarke, B.L., & Kupzyk, K.A. (2008, June). *Getting Ready: Preliminary effects of a parent engagement intervention to promote*

*school readiness*. Paper presented at Head Start's Ninth National Research Conference. Washington, DC.

127. Chumney, F.L., Shaw, L.H., Haines, C.A., & **Bovaird, J.A.** (2008, May). *I can't picture that!: Integrating technology in the classroom to help students understand statistical concepts*. Paper presented at the Association for Psychological Science annual meeting. Chicago, IL.
128. Steele, R.G., Aylward, B.S., Jensen, C.D., Benson, E.R., Davis, A.M., & **Bovaird, J.A.** (2008, April). *Evaluation of Positively Fit: A behaviorally-based family intervention for pediatric obesity: Initial results of an RCT in an applied clinical setting*. Poster presented at the 2008 National Conference on Child Health Psychology. Miami, FL.
129. **Bovaird, J.A.**, & Kupzyk, K.A. (2008, March). *Validating the Use of Cortical Measures of Cognition in Intervention Research with Children*. Paper presented at the American Educational Research Association annual meeting. New York, NY.
130. **Bovaird, J.A.**, Shaw, L., & Chumney, F. (2008, March). *The Trouble with Non-Normal Data: Determining a Context-Appropriate Solution*. Paper presented at the American Educational Research Association annual meeting. New York, NY.
131. Dwyer, A., **Bovaird, J.A.**, & Marincic, J. (2008, March). *Computing Validity Coefficients for Zero-Inflated Poisson Criterion Variables*. Paper presented at the National Council on Measurement in Education annual meeting. New York, NY.
132. Dwyer, A., **Bovaird, J.A.**, & Marincic, J. (2008, March). *Investigating Longitudinal Growth Model Alternatives for Randomized Trials with Recurrent Event Outcomes*. Paper presented at the American Educational Research Association annual meeting. New York, NY.
133. Gaskill, T., Penn, J., Wu, C., & **Bovaird, J.A.** (2008, March). *Establishing Markov Models as Viable Tools for Education and Intervention Research*. Paper presented at the American Educational Research Association annual meeting. New York, NY.
134. Römheld, A., & **Bovaird, J.A.** (2008, March). *Controlling Type I error in applications of the MIMIC model for DIF detection: A Monte Carlo Simulation Study*. Paper presented at the National Council on Measurement in Education annual meeting. New York, NY.
135. Römheld, A., & **Bovaird, J.A.** (2008, March). *Dimensionality and Invariance in English Language Proficiency Assessment of LEP Students*. Paper presented at the National Council on Measurement in Education annual meeting. New York, NY.
136. Toland, M., **Bovaird, J.A.**, & Kupzyk, K.A. (2008, March). *On the Impact of Longitudinal Measurement Non-Invariance on Growth Curve Modeling*. Paper presented at the American Educational Research Association annual meeting. New York, NY.
137. **Bovaird, J.A.**, & Hawley, L.R. (2007, August). *Response Latency as a Measure of Changing Test-Taking Strategy*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.

138. **Bovaird, J.A.**, Kupzyk, K.A., Maikranz, J., Dreyer, M., Steele, R. (2007, August). *Missing Data and Standard Errors with Partial Least Squares*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
139. Kupzyk, K.A., **Bovaird, J.A.**, & Wu, C. (2007, August). *Analytical Equivalence among Statistical Models for Accelerated Longitudinal Designs*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
140. Penn, J., Gaskill, T., **Bovaird, J.A.**, Siebecker, A., Givens, J., & Swearer, S.M. (2007, August). *Changes in Bullying Over Time: An Application of Markov Models*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
141. Römhild, A., **Bovaird, J.A.**, Norman, R., Babl, J., & Swearer, S.M. (2007, August). *High School Bullying and Victimization: A Latent Difference Score Model*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
142. Swearer, S.M., **Bovaird, J.A.**, Buhs, E.S., & Givens, J.E. (2007, August). *Peer Aggression and Victimization: Patterns of Change across Middle School*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
143. Wang, C., **Bovaird, J.A.**, Swearer, S.M., Buhs, E. (2007, August). *A Longitudinal Study of Locus of Control, Aggression, Depression, and Helplessness within the Bullying Context*. Paper presented at the American Psychological Association annual meeting. San Francisco, CA.
144. Sheridan, S.M., Glover, T.A., & **Bovaird, J.A.**, Garbacz, S.A., Swanger-Gagne, M.S., & Witte, A.L. (2007, June). *Influencing and Understanding Change in Parent-Teacher Relationships through Consultation-based Interventions*. Paper presented at the Institute for Education Science Research Conference. Washington, DC.
145. **Bovaird, J.A.** (2007, May). *Cognitive Psychology and High Stakes Testing: Process Models and Item Generation*. Paper presented at the Contemporary Issues in High Stakes Testing Conference. Lincoln, NE.
146. Römhild, A., & **Bovaird, J.A.** (2007, May). *Assessing the Factorial Structure of Language Proficiency: Dimensionality and Invariance among Students with Limited English Proficiency*. Paper presented at the Contemporary Issues in High Stakes Testing Conference. Lincoln, NE.
147. Sheridan, S.M., Edwards, C.P., Knoche, L.L., Cline, K., & **Bovaird, J.A.** (2007, April). *Getting Ready: The Effects of Parent Engagement on School Readiness of Low-Income Children*. Paper presented at the American Educational Research Association annual meeting. Chicago, IL.
148. Sheridan, S.M., Edwards, C.P., Knoche, L.L., Cline, K., & **Bovaird, J.A.** (2007, April). *Getting Ready: The Effects of Parent Engagement on School Readiness of Low-Income Children*. Paper presented at the Society for Research in Child Development biennial meeting. Boston, MA.
149. **Bovaird, J.A.**, & Embretson, S.E. (2006, August). *Using Response Time to Increase Construct Validity of Trait Estimates*. Paper presented at the American Psychological Association annual meeting. New Orleans, LA.

150. **Bovaird, J.A.**, Martinez, S., & Stuber, G. (2006, August). *Multilevel Structural Equation Modeling of Kindergarten Readiness with Finite Samples*. Paper presented at the American Psychological Association annual meeting. New Orleans, LA.
151. Kupzyk, K.A., **Bovaird, J.A.**, & Marquis, J.G. (2006, August). *Determining Optimal Design Features in an Accelerated Longitudinal Study*. Paper presented at the American Psychological Association annual meeting. New Orleans, LA.
152. Givens, J.E., Swearer, S.M., & **Bovaird, J.A.** (2006, June). *Predicting Outcomes of Relational Victimization and Relational Aggression in Early Adolescence*. Poster presented at the Midwestern Social Development Consortium annual meeting. Lincoln, NE.
153. Maikranz, J., Steele, R.G., Dreyer, M., **Bovaird, J.A.**, & Stratman, A. (2006, April). *Family Hope and Illness-Related Uncertainty: Associations with Post-transplant Adherence among Pediatric Renal and Liver Transplant Recipients*. Paper presented at the National Conference on Child Health Psychology. Gainesville, FL.
154. Swearer, S.M., Buhs, E.S., & **Bovaird, J.A.** (2006, March). *Bullying and Victimization: Stability of Self-, Peer-, and Teacher-Nominations over Three Years*. Paper presented at the Society for Research on Adolescence biennial meeting. San Francisco, CA.
155. Shogren, K.A., **Bovaird, J.A.**, Wehmeyer, M.L., & Palmer, S.B. (2005, August). *Development of Perceptions of Control in Children and Youth with Mental Retardation*. Paper presented at the American Psychological Association annual meeting. Washington, DC.
156. Kupzyk, K.A., Ivie, J.L., **Bovaird, J.A.**, & Embretson, S.E. (2005, August). *Predicting Strategies for Solving Multiple-Choice Quantitative Reasoning Items*. Paper presented at the American Psychological Association annual meeting. Washington, DC.
157. **Bovaird, J.A.**, Locker, L., Hoffman, L., & Simpson, G. (2005, May). *The Use of Multilevel Modeling in the Analysis of Psycholinguistic Data*. Paper presented at the Midwestern Psychological Association annual meeting. Chicago, IL.
158. **Bovaird, J.A.**, Marquis, J.G., Duncan, P.W., & Lai, S.M. (2004, November). *Multivariate Growth Curve Analysis of the Kansas City Stroke Data*. Paper presented at the Gerontological Society of America annual meeting. Washington, DC.
159. Woods, G., Mathews, M.R., & **Bovaird, J.A.** (2004, November). *Behavioral Mapping to Study Resident Activity Engagement, Location, and Proximity to Others*. Paper presented at the Gerontological Society of America annual meeting. Washington, DC.
160. Little, T.D., Hoffman, L., **Bovaird, J.A.**, Finger, M., & Widaman, K.F. (2002, October). *On the Merits of Orthogonalizing Powered and Interaction Terms: Implications for Modeling Interactions Among Latent Variables*. Paper presented at the Society for Multivariate Experimental Psychology annual meeting. Chapel Hill, NC.

161. **Bovaird, J.A.**, & Gallant, S.J. (2002, August). *The SOD Scale: An Initial Study of Reliability and Validity*. Paper presented at the American Psychological Association annual convention. Chicago, IL.
162. **Bovaird, J.A.** (2001, November). *Modifiability of Ability: A Model of Contributing Cognitive Factors*. Paper presented at the Psychological Education and Research in Kansas annual meeting. Baldwin City, KS.
163. Green, S.B., Marquis, J.G., Wallace, D., & **Bovaird, J.A.** (2001, April). *A Comparison of Analytical Methods for Studies with a Between-Subjects Treatment Factor and a Repeated-Measures Factor*. Paper presented at the annual meeting of the American Educational Research Association, Seattle. WA.
164. **Bovaird, J.A.**, Cederlind, T., & Atchley, R.A. (2001, March). *Exploring Individual Differences in Creativity and Cognitive Ability Using a Hemispheric Model of Language Processing*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
165. Atchley, R.A., **Bovaird, J.A.**, Faust, M. & Cederlind, T. (2000, November). *Hemispheric Processing of Language in Individuals Varying in Creativity and Cognitive Ability*. Paper presented at the annual meeting of the Psychonomics Society. New Orleans, LA.
166. Green, S.B., Wallace, D., Marquis, J.G., & **Bovaird, J.A.** (2000, April). *A Monte Carlo Study of F Tests of Between-Classrooms Treatment Effects with the General and Mixed Linear Models*. Paper presented at the annual meeting of the American Educational Research Association. New Orleans, LA.
167. **Bovaird, J.A.** (1999, April). *Measuring Individual Differences in the Susceptibility of Reasoning to Stress*. Paper presented at the annual meeting of the Southwestern Psychological Association. Albuquerque, NM.
168. **Bovaird, J.A.** (1997, April). *Influence of Solicitation Source and Degree of Anonymity on Former Students' Responses to a Non-Returning Survey*. Paper presented in the Psi Chi component of the annual meeting of the Southwestern Psychological Association. Dallas, TX.
169. **Bovaird, J.A.** (1996, November). *Influence of Solicitation Source and Degree of Anonymity on Former Students' Responses to a Non-Returning Survey*. Paper presented at the Psychological Education and Research in Kansas and Nebraska Psychological Society joint meeting. Lincoln, NE.

#### Invited Presentations and Colloquia

1. **Bovaird, J.A.** (2023, March). *Treatment fidelity from a measurement perspective*. Presentation given in the Nebraska Academy for Methodology, Analytics & Psychometrics Methodology Applications Series. Lincoln, NE.
2. **Bovaird, J.A.** (2020, October). *Modeling context: To Kansas and beyond*. Presentation given in the Nebraska Academy for Methodology, Analytics & Psychometrics Methodology Applications Series. Lincoln, NE.



3. **Bovaird, J.A.** (2019, September). *Cluster randomized trials in education: Lessons learned, migraines overcome, and crises averted*. Presentation given in the Nebraska Academy for Methodology, Analytics & Psychometrics Methodology Applications Series. Lincoln, NE.
4. **Bovaird, J.A.** (2019, March). *Mixture models in the social, behavioral, and education sciences: Classification applications using Mplus*. Presentation given in the Great Plains IDeA Clinical and Translational Research Seminar Series. Omaha, NE.
5. Sheridan, S., Knoche, L., Iruka, I., Witte, A., Koziol, N., Dekraai, M., & **Bovaird, J.** (2019, January). *Trajectories for children in rural and urban Nebraska*. Presented at the Institute of Education Sciences Early Learning Network meeting, Washington, DC.
6. **Bovaird, J.A.** (2018, November). *Adaptation in the Social, Behavioral, and Education Sciences: Implications for Measurement, Intervention, & Evaluation*. Presentation given in the Nebraska Academy for Methodology, Analytics & Psychometrics Methodology Applications Series. Lincoln, NE.
7. Sheridan, S.M., & **Bovaird, J.A.** (2017, October). *Studying Educational Effectiveness in Rural Settings*. Webinar given through REL Central: Regional Educational Laboratory at Marzano Research. Lincoln, NE.
8. Sheridan, S.M., & **Bovaird, J.A.** (2017, August). *Studying Educational Effectiveness in Rural Settings*. Webinar given through REL Central: Regional Educational Laboratory at Marzano Research. Lincoln, NE.
9. **Bovaird, J.A.** & Lester, H. (2016, November). *Evidence-Based Interactions between Indoor Environmental Factors and Their Effects on K-12 Student Achievement*. Presentation given in the Quantitative, Qualitative, & Psychometric Methods Professional Seminar. Lincoln, NE.
10. **Bovaird, J.A.** (2013, April). *The Future of Rural School Research and Development: Methodological Innovations for the Next Generation*. Invited presentation given at the Connect-Inform-Advance Conference. Omaha, NE.
11. **Bovaird, J.A.** (2012, January). *Not All Students Need to be Assessed: Research Designs Where Data are Intentionally Missing*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
12. **Bovaird, J.A.** (2011, October). *Not All Students Need to be Assessed: Research Designs Where Data are Intentionally Missing*. Invited presentation given to Program Officers from the Institute of Education Science. Washington, DC.
13. **Bovaird, J.A.** (2011, September). *Research Designs where Data are Intentionally Missing*. Presentation given in the Quantitative, Qualitative, & Psychometric Methods Professional Seminar. Lincoln, NE.
14. **Bovaird, J.A.** (2011, September). *Research Designs where Data are Intentionally Missing*. Invited presentation given at the Institute of Education Science Principal Investigator Meetings. Washington, DC.

15. **Bovaird, J.A.** (2011, February). *Fixed vs. Sequential Experimental Designs: Implications for Cluster Randomized Trials in the Social Sciences*. Presentation given in the Quantitative, Qualitative, & Psychometric Methods Professional Seminar. Lincoln, NE.
16. **Bovaird, J.A.** (2009, November). *Methods for Modeling Context*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
17. **Bovaird, J.A.** (2008, May). *Moderation and Mediation with Structural Equation Models*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
18. **Bovaird, J.A.** (2007, November). *Complex Modeling with Small Samples*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
19. **Bovaird, J.A.** (2007, September). *Moderation with Latent Variables: Issues and Alternative Approaches*. Presentation given in the Quantitative, Qualitative, & Psychometric Methods Professional Seminar. Lincoln, NE.
20. **Bovaird, J.A.** (2007, September). *Validating Response Latency as a Measure of Motivation*. Presentation given in the Quantitative, Qualitative, & Psychometric Methods Professional Seminar. Lincoln, NE.
21. **Bovaird, J.A., & Kupzyk, K.A.** (2007, September). *Latent Variable Approaches to Fitting Growth Curves*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
22. **Bovaird, J.A.** (2007, April). *Structural Equation Modeling*. Invited presentation given in the CSU-Fresno Dept. of Psychology Life Beyond T-Tests and ANOVA Seminar Series. Fresno, CA.
23. **Bovaird, J.A., & Dwyer, A.** (2007, January). *So Your Data Are Not Normal – What’s New?* Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
24. **Bovaird, J.A.** (2006, October). *Accounting for Contextual Influences: Multilevel Modeling in Intervention Research*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
25. **Bovaird, J.A., Toland, M., & Kupzyk, K.** (2006, December). *Missing Data: What It Is and What You Can Do about It*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
26. **Bovaird, J.A.** (2006, March). *Structural Equation Modeling: Implications for Testing Mediators and Moderators*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.

27. Glover, T., & **Bovaird, J.A.** (2006, April). *Research Design 1: Designing Effective Intervention Research*. Invited presentation given in the Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series. Lincoln, NE.
28. **Bovaird, J.A.** (2005, April). *On Multilevel Modeling Via the Mixed Linear Model: Growth Curves, Multivariate Change, and New Extensions*. Invited colloquium given to the Department of Psychology, University of Kansas, Lawrence, KS.
29. **Bovaird, J.A.** (2005, February). *On Multilevel Modeling Via the Mixed Linear Model: From Stroke Recovery to Student Readiness for Kindergarten*. Invited colloquium given to the Department of Educational Psychology, University of Nebraska, Lincoln, NE.
30. Little, T.D., **Bovaird, J.A.**, & Marquis, J.G. (2004, March). *Modeling Ecological and Contextual Influences on Developmental Processes: Overcoming the Barriers*. Introductory presentation at the Modeling Longitudinal Processes in an Ecological Context conference. Tempe, AZ.
31. **Bovaird, J.A.** (2000, May). *Stressor Effects on Cognitive Ability: Alternative Models and Continuing Issues*. Presentation given in the Experimental Psychology Program Professional Seminar. Lawrence, KS.
32. **Bovaird, J.A.** (1999, May). *Measuring Individual Differences in the Susceptibility of Reasoning to Stress*. Presentation given in the Experimental Psychology Professional Seminar. Lawrence, KS.

## Awards and Honors

### Professional

- College of Education and Human Sciences Faculty Student Mentoring Award Nominee 2010, 2011, 2012, 2019
- University of Nebraska-Lincoln Graduate Student Association Outstanding Service to Graduate Students Award Nominee 2010-2011
- College of Education and Human Sciences Early Career Research/Creative Activity Award 2008
- College of Education and Human Sciences Scholarly Enhancement Program (2006 – 2008)

### Journals & Conferences

- 2022 Chattanooga Research Award for a team whose published work in Physical Therapy & Rehabilitation Journal, “*START-Play physical therapy intervention impacts motor and cognitive outcomes in infants with neuromotor disorders: A multisite randomized clinical trial*” (co-author), presents innovative study or a theoretical model and discussion of its impact on future clinical practice or physical therapy research.
- 2022 Gayle G. Arnold Award for Best Scientific Paper, “*Early versus late reaching mastery’s effect on object permanence in infants with motor delays receiving START-Play and Usual Care-Early Intervention*” (co-author), presented at the 76<sup>th</sup> Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine.
- 2021 Toby Long Award for best paper published in 2021 in the Pediatric Physical Therapy Journal, “*A Novel Means-End Problem-Solving Assessment Tool for Early Intervention: Evaluation of Validity, Reliability, and Sensitivity*” (co-author).

2019 Gayle G. Arnold Award for Best Scientific Paper; “*Efficacy of the START-Play Program for Infants with Neuromotor Disorders: Cognitive Outcomes*” (co-author), 73rd Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine.  
2019 APA Division 16 Poster Award Winner; American Psychological Association Annual Meeting  
2013 Article of the Year Award in *School Psychology Review*  
2012 Diane Willis Award for Outstanding Article in the *Journal of Pediatric Psychology*  
2011 Routledge Education Class of 2011 Award for the most downloaded article in *Early Education and Development* in 2010

### Graduate

Preparing Future Faculty Fellow (2001 – 2002)  
Psychology Department nominee for the Outstanding GTA Award (2001)

### Undergraduate

Student Body President (1995-96, 1996-97)  
Who's Who in American Colleges and Universities (1995 – 1997)  
National Dean's List (1995 – 1997)  
University Scholarship (1992 – 1996)  
Gessner Memorial Scholarship (1996 – 1997)  
Sigma Phi Epsilon Robert C. Findlay Memorial Scholarship (1993 – 1994)  
Cardinal Key National Honor Society, *First male member initiated by Baker University's chapter.*  
Blue Key National Honor Society, *President.*  
Psi Chi National Honor Society

## **Teaching Experience**

### Graduate Courses:

Statistical Methods (1<sup>st</sup> level course for Education)  
Statistical Methods in Psychology I & II (sequence on the general linear model)  
Multivariate Analysis  
Multilevel Modeling  
Longitudinal Data Analysis  
Intro to Bayesian Statistics  
Intro to Statistical Analysis & Lab  
Introduction to Educational & Psychological Measurement  
Structural Equation Modeling  
Advanced Structural Equation Modeling  
Advanced Modeling  
Advanced Modeling: Classification  
Advanced Modeling: Simulation  
Advanced Modeling: Fidelity  
Computer Assisted Data Analysis  
Correlational & Experimental Methods

### Undergraduate Courses:

Introduction to Educational Measurement

Statistics in Psychological Research  
 Cognitive Psychology  
 Physiological Psychology  
 Comparative Psychology  
 First Year Experience

Teaching Assistant:

Statistical Methods in Psychology I & II  
 Statistics in Psychological Research

Training Sessions & Workshop Presentations

1. **Bovaird, J.A.** (2004). *An Introduction to Interactive LISREL and PRELIS*. Workshop presentation as part of the 2004 RDA Summer Institute. Lawrence, KS: University of Kansas, Research Design & Analysis Unit.
2. Little, T.D., & **Bovaird, J.A.** (2003). *Structural Equation Modeling: Foundations and Extended Applications*. 5-Day Summer Institute. Lawrence, KS: University of Kansas, Research Design & Analysis Unit.
3. Bremer, J., **Bovaird, J.A.**, & Grigg, J. (August 2001). *Lessons Learned: Suggestions and Advice*. Facilitated Session. Lawrence, KS: University of Kansas, About Teaching: A Conference for New GTAs.
4. Green, S., Marquis, J., Wallace, D., Fleming, K., Peyton, V., Diehl, K., & **Bovaird, J.A.** (1999). *Mixed Models for Longitudinal Data*. Workshop Presentation. Lawrence, KS: University of Kansas, Research Design and Analysis Unit.

## Mentoring

Postdoctoral Fellows:

Dr. Kyongboon Kwon <i>University of Wisconsin-Milwaukee</i>	Co-training director [8/08-7/10]
Dr. Courtney Wheeler <i>Dynamic Measurement Group</i>	Co-training director [8/10-6/11]
Dr. Liz Moorman-Kim <i>University of San Diego</i>	Co-training director [8/09-8/12]
Dr. Kristin Rispoli <i>Michigan State University</i>	Co-training director [9/11-8/13]
Dr. Ji Hoon Ryoo <i>University of Virginia</i> <b>Awarded the 2011 UNL Outstanding Postdoc Award</b>	Mentor [7/10-7/12]
Dr. Leslie Shaw <i>Susan Thompson Buffett Foundation, Omaha, NE</i> <b>Awarded the 2013 Phi Beta Kappa Dr. Ron Joekel Research Award</b>	Mentor [12/12-10/13]
Dr. Natalie Koziol	Mentor

*University of Nebraska-Lincoln*

[6/15-11/17]

**2019 & 2022 Gayle G. Arnold Award, Best Scientific Paper**

**2021 Toby Long Award, best paper published in the *Pediatric Physical Therapy Journal***

**2022 Chattanooga Research Award, *Physical Therapy & Rehabilitation Journal***

Dr. Houston Lester

Mentor

*University of Mississippi*

[8/17 – 1/18]

Dr. Donna Chen

Mentor

*University of Nebraska-Lincoln*

[1/22 – 12/22]

Doctoral Committees:

Ashley Buonasera; Psychology, <i>Marriott Hotels</i>	Completed 6/06
Chiung-ju Liu; Gerontology, <i>University of Florida</i>	Completed 7/06
James Peugh; Educational Psychology, <i>Cincinnati Child. Hosp.</i>	Completed 10/06
Jennifer Ivie, Psychology; <i>Tulsa Community College</i>	Completed 3/07
Gillian Woods; Gerontology, <i>Washington Regional Sr Clinic, AR</i>	Completed 6/07
Brandy Clarke; Educational Psychology, <i>UNMC Munroe-Meyer Inst</i>	Completed 10/07
Yongwei Yang; Educational Psychology, <i>Google</i>	Completed 4/08
Jennifer Burt; Ed. Psychology, <i>UNMC Munroe-Meyer Inst</i>	Completed 5/08
Cassandra LeClair-Underberg; Comm. Studies, <i>TX State U. - San Marcos</i>	Completed 5/08
Xiaojuan Mi; Statistics	Completed 4/09
Olena Kaminska; Survey Research & Methodology, <i>University of Essex</i>	Completed 5/09
Michelle Swanger; Educational Psychology, <i>U. of Rochester Med Center</i>	Completed 8/09
Jami Givens; Educational Psychology, <i>Private Practice</i>	Completed 11/09
Daniel Abbott; Educational Psychology, <i>Microsoft</i>	Completed 5/10, Co-Chair
Brett Foley; Educational Psychology, <i>Alpine Testing Solutions</i>	Completed 7/10
Jennifer Green; Statistics, <i>Michigan State University</i>	Completed 7/10
Kevin Kupzyk; Educational Psychology, <i>U. of Nebraska Medical Center</i>	Completed 4/11, Chair
• <b>Awarded the APAGS Stuart C. Tentoni Outstanding Professional Development Program Award</b>	
Katie Woods; Educational Psychology	Completed 11/11
Leslie Shaw; Educational Psychology, <i>Buffett Foundation</i>	Completed 11/12, Chair
Dong Hyun Lee; Management	Completed, 4/13
Xiaoyun Zhang; Child, Youth, and Family Studies	Completed 5/13
Frances Chumney; Educational Psychology, <i>ADPRI Research Inst.</i>	Completed 7/13, Chair
Adam Collins, Educational Psychology, <i>CO Dept of Education</i>	Completed 5/14
Charles Davidson; Psychology, <i>Emory University</i>	Completed 5/14
Leeza Struwe; Educational Psychology, <i>U. of Nebraska Medical Center</i>	Completed 6/14, Chair
Robin Criter; Special Educ. & Comm. Disorders, <i>Western Michigan</i>	Completed 11/14
Natalie Koziol; Educational Psychology, <i>U. of Nebraska-Lincoln</i>	Completed 5/15, Chair
Michael Coutts; Educational Psychology, <i>Children's Hospital</i>	Completed 5/15
Irina Kalutskaya; Educational Psych., <i>Boys Town Nat'l Research Hosp.</i>	Completed 5/15
Carina McCormick; Educational Psychology, <i>U. of Nebraska-Lincoln</i>	Completed 8/15
Joonhee Lee; Architectural Engineering, <i>Concordia U. Montreal</i>	Completed 2/16
Shannon Holmes; Educational Psychology, <i>U of Missouri</i>	Completed 5/16
Hyesun Lee; Educational Psychology, <i>Cal State Channel Islands</i>	Completed 5/16
Chaorong Wu; Educational Psychology, <i>U. of Utah</i>	Completed 7/16, Chair
Ana-Lucia Cordova-Cazar; SRAM., <i>U. San Francisco de Quito</i>	Completed 12/16
Shihan Deng; Architectural Engineering, <i>Kunming U. of Science &amp; Tech</i>	Completed 4/17

Houston Lester; Educational Psychology, <i>U of Mississippi</i>	Completed 7/17, Chair
• <b><i>Nominated for the 2017-2018 UNL Folsom Distinguished Dissertation Award</i></b>	
• <b><i>Nominated for the 2019 AERA Division D Distinguished Dissertation Award</i></b>	
Beth Cochran; SRAM, <i>James Madison University</i>	Completed 7/17
Ann Arthur; Educational Psychology, <i>ACT</i>	Completed 7/18, Chair
• <b><i>Nominated for the 2018-19 UNL Folsom Distinguished Dissertation Award</i></b>	
Weldon Smith; Educational Psychology, <i>Cal State Channel Islands</i>	Completed 7/18, Chair
Elaina Montague; Psychology, <i>Zucker Hillside Hospital</i>	Completed 5/18
Mengyang (Mia) Wang; Survey Research & Methodology	Completed 5/18
Michael Zweifel; Educational Psychology, <i>State Farm</i>	Completed 11/18
Celeste Spier; Educational Administration, <i>U. of Nebraska-Lincoln</i>	Completed 11/20
Rachel Schumacher; Educational Psychology, <i>UNMC Munroe-Meyer Inst</i>	Completed 4/21
Henry Bass; Educational Psychology, <i>Private Practice</i>	Completed 5/21
Kasey Edwardson; Educational Administration, <i>U. of Kansas Med Center</i>	Completed 10/21
Ji Guo; Teacher Learning & Teacher Education	Completed 11/21
Donna Chen; Educational Psychology	Completed 12/21, Chair
Dan Wang; Child, Youth & Family Studies, <i>University of Oklahoma</i>	Completed 5/22
Paul Dizona; Educational Psychology, <i>Mayo Clinic</i>	Completed 7/22, Chair
• <b><i>Nominated for the 2018-19 UNL Folsom Distinguished Dissertation Award</i></b>	
Jayden Nord; Educational Psychology	Completed 5/23, Chair
Ben Baumfalk; Educational Psychology	In progress, Chair
Amelia Miramonti; Educational Psychology	In progress, Chair
Sunhyoung Lee; Educational Psychology	In progress, Chair
Jay Jeffries; Educational Psychology	In progress, Chair
Dongho (Tom) Choi; Educational Psychology	In progress, Advisor
Elia Harper; Educational Psychology	In progress, Advisor
James Schiwert; Educational Psychology	In progress, Advisor
Sarah Hammami; Educational Psychology	In progress, Advisor
Marc Madigan; Educational Psychology	In progress, co-advisor
Jamlick Bosire; Child, Youth & Family Studies	In progress
Matt Brooks; Educational Psychology	In progress
Weng Fong Chao; Criminology (UNO)	In progress
Jonah Garbin; Educational Psychology	In progress
Brooke Glenn; Educational Psychology	In progress
Morgan Jacoby; Psychology	In progress
Michael Kuhlenengel; Architectural Engineering	In progress
Durgesh Pattanayak; Marketing	In progress
Plavini Punyatoya; Marketing	In progress
Jamy Rentschler; Sociology	In progress
Stephen Schneider; Political Science	In progress
Brad Smith; Educational Psychology	In progress
Ashley Struebing; Special Education & Communication Disorders	In progress
Sonia Mariel Suarez Encisco; Educational Psychology	In progress
Yunqi Wang; Child, Youth & Family Studies	In progress
Brooke Wells; ALEC	In progress
Weiman Xu; Child, Youth & Family Studies	In progress
Justine Yeo; ALEC	In progress

Master's Thesis Committees/Supervision:

Kevin Kupzyk, Psychology, University of Kansas, <i>U. of Neb. Med Center</i>	Completed 7/05, Chair
Anja Römhild, Educational Psychology, <i>U. of Nebraska-Lincoln</i>	Completed 4/07, Chair
Carina McCormick, Educational Psychology, <i>U. of Nebraska-Lincoln</i>	Completed 6/09
• <b><i>Awarded the 2009-2010 UNL Folsom Distinguished Master's Thesis Award</i></b>	
Natalie Koziol, Educational Psychology, <i>U. of Nebraska-Lincoln</i>	Completed 7/10, Chair
• <b><i>Awarded the 2010-2011 UNL Folsom Distinguished Master's Thesis Award</i></b>	
Cassie Connealy, Educational Psychology, UNL	Completed 7/10
Michael Wilmot, Ag. Leadership, Education, & Comm., <i>U. of Arkansas</i>	Completed 5/11
Frances Chumney; Educational Psychology, <i>ADPRI Research Inst.</i>	Completed 5/12, Chair
• <b><i>Nominated for the 2012-2013 UNL Folsom Distinguished Master's Thesis Award</i></b>	
Geoffrey Weller; Educational Administration, <i>YMCA of Lincoln</i>	Completed 11/13
Kirstie Bash; Educational Psychology, <i>U. of Central Missouri</i>	Completed 12/15, Chair
David DeWester; Psychology, <i>Meazure Learning</i>	Completed
Dong Hyun Lee; Management	Completed
Weldon Smith; Educational Psychology, <i>Cal State Channel Islands</i>	Completed 4/16, Chair
Laura Brill; Architectural Engineering, <i>Threshold Acoustics</i>	Completed 4/17
Jayden Nord; Educational Psychology	Completed 11/17, Chair
Elizabeth Svoboda; Educational Psychology	Completed 11/17, Chair
Anna Catton; Architectural Engineering, <i>Soundscape Engineering</i>	Completed 4/18
Donna Chen; Educational Psychology	Completed 7/18
Jared Stevens; Educational Psychology, <i>Nebraska Dept. of Education</i>	Completed 12/18, Chair
Amelia Miramonti; Educational Psychology	Completed 12/18, Chair
Dongho (Tom) Choi; Educational Psychology, <i>U of Nebraska-Lincoln</i>	Completed 1/22, Chair
Adam Clark; Educational Psychology	Completed 5/22, Chair
Sarah Hammami; Educational Psychology	In progress, Chair
Susan Pense; Educational Psychology	In progress, Chair
Ajay Rathore; Educational Psychology	In progress, Chair
James Schiwert; Educational Psychology	In progress, Chair
Victoria Stamadianou; Educational Psychology	In progress, Chair

## Professional Service

Conference/Workshop/Speaker Series Coordinator:

2019 - 2021	<i>MAP Academy Emerging Scholars Workshop</i> . Various contributors. Lincoln, NE; 1 speaker per semester.
2014 - 2021	<i>Nebraska Methodology Workshop</i> . Various contributors. Lincoln, NE; 1 speaker per semester.
2006 - 2014	<i>Nebraska Center for Research on Children, Youth, Families and Schools Research Methodology Series</i> . Various contributors. Lincoln, NE; 2-4 speakers per semester.
2010	<i>Family-School Partnerships Working Meeting</i> , Omaha, NE, September 20-21, 2010. (Co-coordinators: S. Sheridan, G. Nugent, G. Kunz)
2009 - 2010	<i>Randomized Trials in the Social and Behavioral Sciences</i> – featuring Dr. Peggy McArdle, Dr. Larry Hedges, and Dr. David Cordray. Lincoln, NE; April 15, 2009; March 31-April 1, 2010; April 19-20, 2010; TBD. (Workshop and colloquium



series co-sponsored by NE Center for Research on CYFS; National Center for Research on Rural Education; and UNL Survey, Statistics, & Psychometrics Core Facility)

- 2009 *Diagnostic Measurement: Theory, Methods, and Applications* – featuring Dr. Jonathan Templin. Lincoln, NE, April 30-May 1, 2009.
- 2006-2007 *Current Issues in High Stakes Testing: A Festschrift for Barbara Plake*, Lincoln, NE, May 17-19, 2007. (Co-coordinators: C. Buckendahl, K. Geisinger, C. Anson)
- 2003-2004 *Modeling Longitudinal Processes in an Ecological Context*, Tempe, AZ, March 4-6, 2004. (Co-coordinators: T. Little & J. Marquis)

Reviewer:

- 2002 *International Journal of Behavioral Development* (ad hoc)
- 2004 Lawrence Erlbaum Associates
- 2005 Oxford University Press
- 2006 *Journal of Consulting and Clinical Psychology* (ad hoc)
- Journal of Educational Measurement* (ad hoc)
- School Psychology Review* (ad hoc)
- Pearson Education/Merrill Prentice Hall
- 2007 *School Psychology Review* (ad hoc)
- Pearson Education/Merrill Prentice Hall
- Applied Measurement in Education* (ad hoc)
- Multivariate Behavioral Research* (ad hoc)
- Identity* (ad hoc)
- American Educational Research Association – Div. D, HM SIG, SEM SIG
- American Psychological Association, Div. 5
- 2008 *School Psychology Review* (ad hoc)
- Multivariate Behavioral Research* (ad hoc)
- American Educational Research Association – Div. D, HM SIG, SEM SIG
- American Psychological Association, Div. 5
- 2009 *School Psychology Review* (ad hoc)
- Multivariate Behavioral Research* (ad hoc)
- Behavior Research Methods* (ad hoc)
- American Psychological Association, Div. 5
- 2010 *Behavior Research Methods* (ad hoc)
- Applied Measurement in Education* (ad hoc)
- Multivariate Behavioral Research* (ad hoc)
- 2012 *Multivariate Behavioral Research* (ad hoc)
- School Psychology Review* (ad hoc)
- Clinical Gerontologist* (ad hoc)
- Psychological Methods* (ad hoc)
- American Psychological Association, Div. 5
- 2013 American Psychological Association, Div. 5
- 2014 American Psychological Association, Div. 5
- Psychometrika* (ad hoc)
- 2015 American Psychological Association, Div. 5
- 2016 American Psychological Association, Div. 5

2017	American Psychological Association, Div. 5
2018	American Psychological Association, Div. 5
2019	American Psychological Association, Div. 5
2020	<i>Facial Plastic Surgery &amp; Aesthetic Medicine</i> (ad hoc)

National Service:

Fall 2018 – Fall 2021	Institute of Education Sciences Peer Review Statistics and Modeling Panel Standing Member (three-year term)
Spring 2020	Institute of Education Sciences Peer Review – Unsolicited Grant Opportunity Panel (ad hoc member)
Fall 2019	University of Kansas Faculty Promotion External Reviewer
Fall 2017 – Spring 2018	Institute of Education Sciences Peer Review Arts in Education Panel Standing Member (one-year term)
2018	American Psychological Association, Division 5 Nominee for Division President (runner-up)
Fall 2017	Institute of Education Sciences Peer Review Low Cost Evaluation Panel
Fall 2011 – Spring 2017	Institute of Education Sciences Peer Review Basic Processes Panel Standing Member (2 three-year terms)
Fall 2012 – Fall 2015	American Psychological Association, Division 5 Executive Committee Coordinating Officer and Secretary
Spring 2013	Institute of Education Sciences Outstanding Predoctoral Fellow Award Selection Committee Member
Fall 2009 – Spring 2012	American Psychological Association, Division 5 Executive Committee Secretary
Spring 2011	Institute of Education Sciences FY2011 Peer Review Panel ad hoc member

Faculty Service:

Spring 2018 – present	CYFS Data Subcommittee
Fall 2013 – present	EDPS Executive Committee Member
Fall 2013 – present	QQPM Program Director
Spring 2007 – Spring 2023	QQPM Research Seminar coordinator
Fall 2022 – Spring 2023	EDPS Faculty Search Comm. Chair (Psychometrics)
Fall 2020 – Summer 2022	Advisor to the Nebraska Evaluation and Research (NEAR) Center
Spring 2020 – Spring 2022	CYFS Annual Evaluation Review Committee
Fall 2019 – Spring 2022	UNL Research Council (2020-21 Chair-Elect; 2021-22 Chair)
Fall 2020	UNL Research Council Faculty Seed Grant Review Sub-Committee, Chair
Spring 2020	CEHS COVID Response Committee
Fall 2019	UNL Research Council Grant In Aid Review Sub-Committee
Fall 2019	EDPS 330/459 Student Instructor Supervision
Spring 2019	CYFS Research Faculty Search Comm. Chair (Methodologist)
Spring 2019	CYFS Postdoctoral Fellow Search Comm. Chair (Methodologist)
Fall 2018	NU Public Policy Center Search Committee (Research Methodologist)
Fall 2017	CYFS Research Faculty Search Comm. Chair (Methodologist/Statistician)
Fall 2015 – Spring 2016	EDPS Faculty Search Committee (Educational Neuroscience)
Spring 2006 – Spring 2016	Advisor to the Nebraska Evaluation and Research (NEAR) Center

Spring 2011 – Fall 2015	Survey, Statistics, & Psychometrics Core Facility (SSP) steering committee member
Spring 2007 – Spring 2015	QQPM Student Association Faculty Advisor
Fall 2014	UNL Department of Psychology Search Screening Committee
Fall 2011 – Spring 2014	Department of Educational Psychology Graduate Committee member
Fall 2012 – Spring 2013	EDPS Department Chair 5-Year Review Steering Committee
Fall 2012 – Spring 2013	EDPS Faculty Search Comm. Chair (Quantitative Methods)
Fall 2012 – Spring 2013	CYFS Research Faculty Search Comm. Chair (Methodologist/Statistician)
Fall 2012 – Spring 2013	SECD Faculty Search Committee (Research Methodology)
Fall 2011 – Spring 2012	EDPS Faculty Search Comm. Chair (Quant. Methods & Psychometrics)
Fall 2011 – Spring 2012	CYAF Extension Specialist in Early Childhood Education Search Committee
Spring 2011	CYAF Extension Specialist in Early Childhood Education Search Committee
Spring 2011	CEHS Awards Nominating Committee - Research and Creative Activity Awards Sub-committee
Spring 2010	CYFS-Database Specialist Search Committee Chair
Spring 2010	CEHS Awards Nominating Committee - Research and Creative Activity Awards Sub-committee
Fall 2009	Office of Research & Economic Development Advisory Committee member for UNL's response to the Nebraska Race to the Top proposal
Summer 2009	CYFS-Research Methodologist Search Committee Chair
Spring 2009	Reviewer for UNL Office of Research Layman internal grant competition
Fall 2008	EDPS Faculty Search Comm. Chair (Quant. Methods & Psychometrics)
Spring 2006 – Fall 2008	Methodological reviewer for IANR-ARD project proposals
Spring 2008	CEHS Reviewer for Layman internal grant competition
Fall 2007 – Spring 2008	CYFS-SRM Search Committee
Fall 2006 – Spring 2007	QQPM-IEERM Faculty Search Committee

Committees/Positions (Graduate School):

Fall 1998 - Spring 1999	Student Representative to the Experimental Program
Spring 1999	Quantitative Faculty Search Committee
Fall 1999 - Spring 2000	Experimental Student Representative to the Psychology Department
Fall 2000 - Fall 2002	Quantitative Student Representative to the Psychology Department
Fall 2000 - Fall 2002	Student Representative to the Quantitative Program

## **Professional Memberships**

American Educational Research Association – Division D, SEM SIG  
 American Psychological Association  
 American Psychological Association, Division 5  
 National Rural Education Association  
 Psychometric Society

## **Additional Research and Teaching Experience**

10/99 - 11/02 Statistical Analyst (Graduate Research Assistant), Research Design & Analysis Unit,

	Schiefelbusch Institute for Life Span Studies, University of Kansas.
7/01 - 8/02	<u>Lab Manager (Graduate Research Assistant)</u> , Cognitive Measurement Research Group, University of Kansas. [ETS-funded]
10/00 - 5/02	<u>Assistant to the Director</u> , Office of Assessment and Institutional Research, Baker
6/95 - 5/97	University.
7/01 - 8/01	<u>Graduate Teaching Assistant</u> , Department of Psychology, University of Kansas.
8/97 - 5/00	
6/00 - 5/01	<u>Assistant Instructor</u> , Department of Psychology, University of Kansas.
1/00 - 8/00	<u>Statistical Consultant</u> , Department of Psychology, University of Kansas.
5/98 - 8/00	<u>Project Assistant (Methodological &amp; Statistical)</u> , Product Development & New Product Design, Hill's Pet Nutrition, Topeka, KS.
8/96 - 12/96	<u>Student Instructor</u> , First Year Experience Program, Baker University.
8/95 - 12/95	

## Additional Professional Training

American Psychological Association Advanced Training Institute:

*Visiting Fellowship Program in Functional MRI* (Massachusetts General Hospital), R. Savoy *et al* (6/03); *Structural Equation Modeling in Longitudinal Research* (University of Virginia), J. McArdle *et al* (6/07)

Electrical Geodesics, Inc. (EGI) Workshops:

*BESA – Workshop & Training Course*, M. Scherg from MEGIS Software GmbH (4/03)

fMRI Data Center:

*fMRI Informatics Summer Workshop*, J. Van Horn *et al* (7/03); *fMRI Informatics Summer Workshop*, J. Van Horn *et al* (7/04)

Grant Writer's Seminars & Workshops:

*Getting Started as a Successful Grant Writer & Academician*, D. Morrison (3/07)

Kansas State University Conference on Applied Statistics in Agriculture Workshops:

*Bayesian Methods in Agriculture*, A. Carriquiry (4/05); *Sample size & Power in Study Planning*, R. O'Brien (4/02); *Multiple Comparisons*, P. Westfall (4/01)

Mplus Short Courses:

*Statistical Analysis with Latent Variables Using Mplus*, B. Muthén & L. Muthén (11/03)

Nebraska Academy for Methodology, Analytics, & Psychometrics; Nebraska Methodology Workshop:

*Structural equation modeling*, R. Kline (11/14); *Bayesian analysis*, D. Kaplan (4/15); *Missing data*, C. Enders (10/15). *Mediation*, D. MacKinnon (9/16).

Nebraska Academy for Methodology, Analytics, & Psychometrics; Emerging Scholars Series:

*Latent Class Analysis*, B. Bray (4/15). *Power Analysis*, J. Spybrook (12/15). *Generalized Linear Models*, S. Coxe (1/17).

Notre Dame Series on Quantitative Methodologies:

*Data Analytic Techniques for Dynamical Systems*, S. Boker *et al* (5/03); *Connecting Statistical and Computational/Process Models of Cognitive Aging*, M. Wenger *et al* (5/04)

Schiefelbusch Institute for Life Span Studies, Research Design & Analysis Unit Workshops:

*Missing Data & Correlated Change Models*, S. Hofer & L. Hoffman (5/05); *Group-Based Trajectory Modeling*, D. Nagin (2/04). *SEM w/ LISREL 8.50*, G. Mels (5/03); *Partial Least Squares (PLS)*, W. Chin (11/02); *Bootstrapping, Multiple comparisons*, T. Loughin (5/02); *Sequential analysis of events, Resampling techniques*, P. Yoder (5/01); *Power analysis & GLM*, S. Maxwell (2/00); *Multiple regression*, D. Kenney (5/98)

Scientific Software International Professional Development Training Sessions:

*SEM w/ LISREL 8.50*, S. du Toit & D. Sörbom (9/01); *HLM w/ HLM 5*, T. Bryk & S. Raudenbush (5/01)

University of Nebraska-Lincoln, Survey, Statistics, & Psychometrics Core Facility Workshops:  
*Workshop on Longitudinal Data Analysis*, A. Acock & W. Stroup (5/07)